Draft Environmental Impact Statement

Corporate Average Fuel Economy Standards for Passenger Cars and Light Trucks, Model Years 2027–2032, and Fuel Efficiency Standards for Heavy-Duty Pickup Trucks and Vans, Model Years 2030–2035

Appendices

July 2023





APPENDIX A

Modeling Results Reported Separately by Vehicle Class

A.1 Energy – Fuel Consumption Impacts Reported Separately for Passenger Cars and Light Trucks, and Heavy-Duty Pickup Trucks and Vans

Table A-1. Fuel Consumption and Decrease in Fuel Consumption by CAFE Standards Alternative (billion gasoline gallon equivalent total for calendar years 2022–2050)

		-			
	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fuel Consumption					
Cars	804	797	796	793	767
Light trucks	1,957	1,947	1,932	1,895	1,782
All light-duty vehicles	2,761	2,744	2,727	2,688	2,548
Decrease in Fuel Use Comp	ared to the No-Action	on Alternative			
Cars		-7	-8	-11	-37
Light trucks		-9	-25	-62	-175
All light-duty vehicles		-17	-34	-73	-212

Notes: CAFE = Corporate Average Fuel Economy

Table A-2. Fuel Consumption and Decrease in Fuel Consumption by HDPUV FE Standards Alternative (billion gasoline gallon equivalent total for calendar years 2022–2050)

	No-Action	HDPUV4	HDPUV10	HDPUV14			
Fuel Consumption							
HDPUVs	412.2	412.1	410.3	403.3			
Decrease in Fuel Use Compared to the No-Action Alternative							
HDPUVs		-0.1	-1.9	-8.9			

Notes: HDPUV = heavy-duty pickup trucks and vans; FE = fuel efficiency

Table A-3. Fuel Consumption and Decrease in Fuel Consumption Cumulative Impacts of CAFE Standards and HDPUV FE Standards Alternatives (billion gasoline gallon equivalent total for calendar years 2022–2050)

	No-Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14			
Fuel Consumption							
LD Vehicles + HDPUVs	3,173.1	3,156.1	3,137.6	2,951.8			
Decrease in Fuel Use Compared to the No-Action Alternative							
LD Vehicles + HDPUVs		-17.0	-35.5	-221.3			

Notes: CAFE = Corporate Average Fuel Economy; HDPUV = heavy-duty pickup trucks and vans; FE = fuel efficiency

A.3 Air Quality – Nationwide Emissions Impacts Reported Separately for Passenger Cars and Light Trucks, and Heavy-Duty Pickup Trucks and Vans

Table A-4. Nationwide Criteria Pollutant Emissions (tons per year) in 2035 from Passenger Cars and Light Trucks by Emissions Component and Alternative, Direct and Indirect Impacts

Emissions Component	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Carbon monoxide (CO)								
Cars tailpipe	2,056,457	2,046,328	2,049,142	2,040,652	2,006,512			
Cars upstream	24,305	24,504	24,435	24,724	25,778			
Trucks tailpipe	3,713,889	3,694,404	3,676,015	3,637,750	3,517,890			
Trucks upstream	55,171	55,892	56,431	57,947	62,767			
Total	5,849,823	5,821,128	5,806,023	5,761,073	5,612,947			
Nitrogen oxides (NO _x)								
Cars tailpipe	39,052	38,839	38,888	38,703	37,927			
Cars upstream	46,019	46,281	46,167	46,606	48,152			
Trucks tailpipe	90,367	89,970	89,590	88,780	86,241			
Trucks upstream	107,390	108,452	109,223	111,442	118,518			
Total	282,829	283,541	283,868	285,530	290,838			
Particulate matter (PM2.5)							
Cars tailpipe	3,357	3,328	3,333	3,305	3,200			
Cars upstream	3,372	3,399	3,390	3,428	3,570			
Trucks tailpipe	7,487	7,427	7,372	7,265	6,930			
Trucks upstream	7,660	7,757	7,829	8,033	8,680			
Total	21,875	21,910	21,924	22,031	22,380			
Sulfur oxides (SO ₂)								
Cars tailpipe	1,320	1,299	1,299	1,284	1,214			
Cars upstream	25,865	26,233	26,138	26,592	28,326			
Trucks tailpipe	3,865	3,818	3,777	3,674	3,355			
Trucks upstream	54,539	55,717	56,631	59,125	67,032			
Total	85,589	87,066	87,846	90,676	99,927			
Volatile organic compounds (VOCs)								
Cars tailpipe	170,161	169,586	169,805	169,370	167,609			
Cars upstream	68,777	67,814	67,831	67,212	64,207			
Trucks tailpipe	259,652	258,583	257,543	255,272	248,153			
Trucks upstream	196,354	194,369	192,563	188,214	174,625			
Total	694,944	690,351	687,741	680,067	654,594			

Table A-5. Nationwide Criteria Pollutant Emissions (tons per year) in 2050 from Passenger Cars and Light Trucks by Emissions Component and Alternative

	-				
Emissions Component	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Carbon monoxide (CO)					
Cars tailpipe	412,002	388,168	381,744	381,210	279,506
Cars upstream	28,554	28,901	28,932	28,862	30,368
Trucks tailpipe	1,447,600	1,455,172	1,411,831	1,315,457	1,022,125
Trucks upstream	81,962	81,396	82,058	84,527	91,242
Total	1,970,118	1,953,637	1,904,565	1,810,056	1,423,241
Nitrogen oxides (NO _x)					
Cars tailpipe	6,028	5,610	5,474	5,510	3,784
Cars upstream	47,365	47,799	47,812	47,724	49,673
Trucks tailpipe	22,928	23,128	22,365	20,674	15,743
Trucks upstream	139,408	138,587	139,384	142,633	151,608
Total	215,729	215,123	215,034	216,541	220,808
Particulate matter (PM2.5	5)				
Cars tailpipe	1,000	936	917	916	653
Cars upstream	3,649	3,690	3,693	3,685	3,865
Trucks tailpipe	3,766	3,785	3,665	3,407	2,615
Trucks upstream	10,534	10,464	10,542	10,838	11,646
Total	18,949	18,876	18,818	18,846	18,779
Sulfur oxides (SO ₂)					
Cars tailpipe	360	329	319	325	206
Cars upstream	30,616	31,115	31,185	31,084	33,198
Trucks tailpipe	1,876	1,898	1,831	1,649	1,188
Trucks upstream	85,006	84,293	85,277	88,692	97,855
Total	117,857	117,635	118,612	121,750	132,447
Volatile organic compoun	ds (VOCs)				
Cars tailpipe	43,816	42,186	41,867	41,555	34,637
Cars upstream	24,920	23,566	23,119	23,399	18,242
Trucks tailpipe	143,560	143,478	140,483	133,954	114,060
Trucks upstream	110,934	111,818	108,844	101,034	81,416
Total	323,231	321,048	314,312	299,941	248,355

Table A-6. Nationwide Toxic Air Pollutant Emissions (tons per year) in 2035 from Passenger Cars and Light Trucks by Emissions Component and Alternative

Emissions Component	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Acetaldehyde	<u> </u>		•	•	•
Cars tailpipe	576	571	572	567	545
Cars upstream	13	13	13	13	12
Trucks tailpipe	1,216	1,206	1,196	1,175	1,107
Trucks upstream	39	38	38	37	34
Total	1,844	1,828	1,819	1,792	1,698
Acrolein					
Cars tailpipe	38	37	37	37	36
Cars upstream	2	2	2	2	2
Trucks tailpipe	79	78	78	76	72
Trucks upstream	5	5	5	5	4
Total	123	122	121	120	114
Benzene	•		•	•	
Cars tailpipe	2,177	2,161	2,164	2,150	2,087
Cars upstream	225	221	221	219	207
Trucks tailpipe	4,199	4,170	4,140	4,077	3,874
Trucks upstream	657	649	642	625	570
Total	7,259	7,201	7,167	7,070	6,738
1,3-Butadiene					-
Cars tailpipe	238	236	236	234	225
Cars upstream	0	0	0	0	0
Trucks tailpipe	501	497	493	484	455
Trucks upstream	1	1	1	1	1
Total	740	734	730	719	680
Diesel particulate matter (DP	M)				
Cars tailpipe	8	8	8	8	8
Cars upstream	9,514	9,460	9,452	9,440	9,334
Trucks tailpipe	31	31	31	31	31
Trucks upstream	25,083	25,016	24,939	24,784	24,312
Total	34,636	34,515	34,429	34,263	33,685
Formaldehyde			•	•	•
Cars tailpipe	366	362	363	360	349
Cars upstream	94	93	93	92	86
Trucks tailpipe	761	756	750	739	702
Trucks upstream	276	272	269	262	239
Total	1,497	1,483	1,475	1,453	1,376

Table A-7. Nationwide Toxic Air Pollutant Emissions (tons per year) in 2050 from Passenger Cars and Light Trucks by Emissions Component and Alternative

Emissions Component	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Acetaldehyde					
Cars tailpipe	131	121	118	120	78
Cars upstream	4	3	3	3	2
Trucks tailpipe	495	500	482	442	328
Trucks upstream	19	19	18	17	12
Total	649	644	622	581	420
Acrolein					
Cars tailpipe	8	8	8	8	5
Cars upstream	0	0	0	0	0
Trucks tailpipe	32	32	31	29	21
Trucks upstream	2	2	2	2	2
Total	43	43	42	39	28
Benzene					
Cars tailpipe	514	481	471	474	337
Cars upstream	61	56	54	55	35
Trucks tailpipe	1,853	1,867	1,808	1,676	1,297
Trucks upstream	320	324	312	281	202
Total	2,748	2,728	2,646	2,487	1,872
1,3-Butadiene					
Cars tailpipe	55	51	49	50	32
Cars upstream	0	0	0	0	0
Trucks tailpipe	206	208	201	184	136
Trucks upstream	0	0	0	0	0
Total	261	259	250	234	168
Diesel particulate matter (DPM)					
Cars tailpipe	0	0	0	0	0
Cars upstream	6,417	6,352	6,318	6,331	6,112
Trucks tailpipe	7	7	7	7	7
Trucks upstream	21,811	21,803	21,645	21,341	20,652
Total	28,235	28,161	27,970	27,679	26,770
Formaldehyde					
Cars tailpipe	80	74	72	73	48
Cars upstream	26	23	23	23	15
Trucks tailpipe	300	303	293	269	201
Trucks upstream	134	135	131	118	85
Total	540	536	518	483	349

Table A-8. Nationwide Criteria Pollutant Emissions (tons per year) in 2035 from U.S. Heavy-Duty Pickup Trucks and Vans by Emissions Component and Alternative, Direct and Indirect Impacts

Emissions Component	No-Action	HDPUV4	HDPUV10	HDPUV14			
Carbon monoxide (CO)							
Heavy-duty trucks and vans tailpipe	510,701	510,671	510,052	507,214			
Heavy-duty trucks and vans upstream	10,532	10,535	10,594	10,838			
Total	521,233	521,206	520,646	518,052			
Nitrogen oxides (NO _x)							
Heavy-duty trucks and vans tailpipe	74,950	74,948	74,930	74,824			
Heavy-duty trucks and vans upstream	20,257	20,261	20,349	20,707			
Total	95,207	95,210	95,279	95,531			
Particulate matter (PM2.5)							
Heavy-duty trucks and vans tailpipe	3,350	3,350	3,344	3,319			
Heavy-duty trucks and vans upstream	1,455	1,456	1,464	1,496			
Total	4,806	4,806	4,808	4,815			
Sulfur oxides (SO ₂)							
Heavy-duty trucks and vans tailpipe	707	707	703	689			
Heavy-duty trucks and vans upstream	10,972	10,976	11,071	11,460			
Total	11,679	11,683	11,774	12,149			
Volatile organic compounds (VOCs)							
Heavy-duty trucks and vans tailpipe	64,050	64,043	63,878	63,159			
Heavy-duty trucks and vans upstream	31,124	31,118	30,966	30,341			
Total	95,175	95,161	94,843	93,500			

Table A-9. Nationwide Criteria Pollutant Emissions (tons per year) in 2050 from U.S. Heavy-Duty Pickup Trucks and Vans by Emissions Component and Alternative, Direct and Indirect Impacts

Emissions Component	No-Action	HDPUV4	HDPUV10	HDPUV14			
Carbon monoxide (CO)							
Heavy-duty trucks and vans tailpipe	239,462	239,253	235,072	224,238			
Heavy-duty trucks and vans upstream	17,960	17,970	18,173	18,589			
Total	257,422	257,223	253,245	242,827			
Nitrogen oxides (NO _X)							
Heavy-duty trucks and vans tailpipe	12,986	12,978	12,816	12,422			
Heavy-duty trucks and vans upstream	30,940	30,954	31,227	31,746			
Total	43,926	43,932	44,043	44,168			
Particulate matter (PM2.5)							
Heavy-duty trucks and vans tailpipe	1,685	1,683	1,651	1,572			
Heavy-duty trucks and vans upstream	2,319	2,321	2,345	2,393			
Total	4,004	4,004	3,996	3,966			
Sulfur oxides (SO₂)							
Heavy-duty trucks and vans tailpipe	500	500	487	454			

Emissions Component	No-Action	HDPUV4	HDPUV10	HDPUV14			
Heavy-duty trucks and vans upstream	18,424	18,437	18,705	19,273			
Total	18,924	18,937	19,192	19,727			
Volatile organic compounds (VOCs)							
Heavy-duty trucks and vans tailpipe	58,923	58,882	58,049	56,008			
Heavy-duty trucks and vans upstream	27,735	27,712	27,186	25,724			
Total	86,658	86,595	85,235	81,733			

Table A-10. Nationwide Toxic Air Pollutant Emissions (tons per year) in 2035 from U.S. Heavy-Duty Pickup Trucks and Vans by Emissions Component and Alternative, Direct and Indirect Impacts

Emissions Component	No-Action	HDPUV4	HDPUV10	HDPUV14
Acetaldehyde	<u>.</u>			
Heavy-duty trucks and vans tailpipe	527	527	526	524
Heavy-duty trucks and vans upstream	8	8	8	8
Total	535	535	534	532
Acrolein	·		•	
Heavy-duty trucks and vans tailpipe	56	56	55	55
Heavy-duty trucks and vans upstream	1	1	1	1
Total	57	57	57	56
Benzene				
Heavy-duty trucks and vans tailpipe	1,128	1,128	1,125	1,115
Heavy-duty trucks and vans upstream	101	101	101	98
Total	1,229	1,229	1,226	1,213
1,3-Butadiene				
Heavy-duty trucks and vans tailpipe	118	118	118	117
Heavy-duty trucks and vans upstream	0	0	0	0
Total	118	118	118	117
Diesel particulate matter (DPM)	·		•	
Heavy-duty trucks and vans tailpipe	1,595	1,595	1,595	1,597
Heavy-duty trucks and vans upstream	4,378	4,378	4,373	4,355
Total	5,973	5,973	5,969	5,951
Formaldehyde				
Heavy-duty trucks and vans tailpipe	639	639	639	637
Heavy-duty trucks and vans upstream	56	56	56	55
Total	696	696	695	692

Table A-11. Nationwide Toxic Air Pollutant Emissions (tons per year) in 2050 from U.S. Heavy-Duty Pickup Trucks and Vans by Emissions Component and Alternative, Direct and Indirect Impacts

Emissions Component	No-Action	HDPUV4	HDPUV10	HDPUV14
Acetaldehyde				
Heavy-duty trucks and vans tailpipe	227	227	223	213
Heavy-duty trucks and vans upstream	5	5	5	5
Total	232	232	228	218
Acrolein	•		•	
Heavy-duty trucks and vans tailpipe	16	16	16	15
Heavy-duty trucks and vans upstream	1	1	1	1
Total	17	17	17	16
Benzene	•		•	
Heavy-duty trucks and vans tailpipe	857	856	842	804
Heavy-duty trucks and vans upstream	82	82	80	74
Total	939	938	921	878
1,3-Butadiene				
Heavy-duty trucks and vans tailpipe	81	80	79	75
Heavy-duty trucks and vans upstream	0	0	0	0
Total	81	81	79	76
Diesel particulate matter (DPM)				
Heavy-duty trucks and vans tailpipe	21	21	21	21
Heavy-duty trucks and vans upstream	5,098	5,097	5,082	5,018
Total	5,119	5,118	5,103	5,039
Formaldehyde				
Heavy-duty trucks and vans tailpipe	175	175	172	164
Heavy-duty trucks and vans upstream	37	37	36	33
Total	212	212	208	198

A.3 Climate Change – Direct and Indirect Impacts – Modeling Results Reported Separately for Passenger Cars and Light Trucks

Table A-12. Carbon Dioxide Emissions and Emissions Reductions (MMTCO₂) from All Passenger Cars, 2027–2100 by Alternative, Direct and Indirect Impacts ^a

Alternative	Total Emissions	Emissions Reductions Compared to No-Action	Percent (%) Emissions Reductions Compared to No-Action Alternative Emissions
No-Action	11,800	-	0%
PC1LT3	11,500	300	3%
PC2LT4	11,400	400	3%
PC3LT5	11,400	400	3%
PC6LT8	10,200	1,600	14%

Notes:

MMTCO₂ = million metric tons of carbon dioxide

Table A-13. Carbon Dioxide Emissions and Emissions Reductions (MMTCO₂) from All Light Trucks, 2027–2100 by Alternative, Direct and Indirect Impacts ^a

Alternative	Total Emissions	Emissions Reductions Compared to No-Action	Percent (%) Emissions Reductions Compared to No-Action Alternative Emissions
No-Action	41,000	-	0%
PC1LT3	41,000	-	0%
PC2LT4	40,300	700	2%
PC3LT5	38,600	2,400	6%
PC6LT8	34,000	7,000	17%

Notes:

MMTCO₂ = million metric tons of carbon dioxide

Table A-14. Emissions of Greenhouse Gases (MMTCO₂e per year) from All Passenger Cars by Alternative, Direct and Indirect Impacts ^a

Year	No-Action	PC1LT3 PC2LT4		PC3LT5	PC6LT8
Carbon did	oxide (CO ₂)				
2020	666	666	666	666	666
2040	204	200	200	197	181
2060	118	113	112	113	95
2080	117	113	111	112	94
2100	109	105	103	104	88

^a The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

^a The numbers in this table have been rounded for presentation purposes. As a result, the reductions do not reflect the exact differences between the values.

Year	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Methane (CH ₄)				
2020	23	23	23	23	23
2040	8	8	8	8	7
2060	5	5	5	5	5
2080	5	5	5	5	5
2100	5	5	5	5	4
Nitrous ox	ide (N₂O)				
2020	8	8	8	8	8
2040	2	2	2	2	2
2060	1	1	1	1	1
2080	1	1	1	1	1
2100	1	1	1	1	1
Total (all G	GHGs)				
2020	696	696	696	696	696
2040	214	210	210	207	190
2060	124	120	118	119	100
2080	124	119	117	118	99
2100	115	110	109	110	92

GHG = greenhouse gas; MMTCO₂e = million metric tons carbon dioxide equivalent

Table A-15. Emissions of Greenhouse Gases (MMTCO₂e per year) from All Light Trucks by Alternative, Direct and Indirect Impacts ^a

Year	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Carbon di	ioxide (CO₂)				
2020	866	866	866		
2040	697	691	682	659	584
2060	487	490	479	452	385
2080	483	486	476	449	382
2100	450	452	442	418	355
Methane	(CH ₄)				
2020	29	29	29	29	29
2040	26	25	25	25	23
2060	20	20	20	19	17
2080	20	20	19	19	17
2100	18	18	18	17	16

^a Emissions from 2051–2100 were scaled using the rate of change for the U.S. transportation fuel consumption from the SSP3-7.0 scenario. These assumptions project a slight decline over this period.

Year	No-Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8						
Nitrous o	xide (N₂O)										
2020	2020 11 11 11 11 11										
2040	7	7	7	7	6						
2060	5	5	5	4	3						
2080	5	5	4	4	3						
2100	4	4	4	4	3						
Total (all	GHGs)										
2020	906	906	906	906	906						
2040	729	723	715	691	612						
2060	511	514	503	475	405						
2080	508	511	500	472	402						
2100	472	475	465	439	374						

GHG = greenhouse gas; MMTCO₂e = million metric tons carbon dioxide equivalent

Table A-16. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (SSP3-7.0) from Passenger Cars by Alternative, Direct and Indirect Impacts ^a

	CO ₂ Concentration (ppm)		Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) ^{b, d}			Ocean Acidification (pH) ^e			
Alternative	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Totals by Alt	ernative	!										
No-Action	490.19	587.76	838.31	2.008	2.788	4.340	19.88	37.70	92.93	8.4013	8.3328	8.1933
PC1LT3	490.19	587.74	838.28	2.008	2.788	4.339	19.88	37.70	92.93	8.4013	8.3328	8.1933
PC2LT4	490.19	587.74	838.27	2.008	2.788	4.339	19.88	37.70	92.93	8.4013	8.3328	8.1933
PC3LT5	490.18	587.74	838.27	2.008	2.788	4.339	19.87	37.70	92.92	8.4013	8.3328	8.1933
PC6LT8	490.17	587.69	838.16	2.008	2.788	4.339	19.87	37.70	92.91	8.4014	8.3329	8.1933
Reductions	Under Ad	tion Alte	ernatives	3								
PC1LT3	0.00	0.01	0.03	0.000	0.000	0.000	0.00	0.00	0.00	0.0000	0.0000	0.0000
PC2LT4	0.00	0.01	0.04	0.000	0.000	0.000	0.00	0.00	0.003	0.0000	0.0000	0.0000
PC3LT5	0.01	0.02	0.04	0.000	0.000	0.000	0.00	0.00	0.004	0.0000	0.0000	0.0000
PC6LT8	0.02	0.06	0.15	0.000	0.000	0.000	0.00	0.00	0.005	0.0000	0.0000	-0.0001

^a Emissions from 2051–2100 were scaled using the rate of change for the U.S. transportation fuel consumption from the SSP3-7.0 scenario. These assumptions project a slight decline over this period.

^a The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases. This analysis was simulated using the same methodology as reported in Chapter 5, Section 5.3, *Analysis Methods*; however, it includes only emissions changes for passenger cars.

^b The values for global mean surface temperature and sea-level rise are relative to the average of the years 1986–2005.

 $^{^{\}rm c}$ Temperature changes reported as 0.000 are more than zero but less than 0.001.

^d Sea-level rise changes reported as 0.00 are more than zero but less than 0.01.

^e Ocean acidification changes reported as 0.0000 are less than zero but more than -0.0001.

CO2 = carbon dioxide; °C = degrees Celsius; ppm = parts per million; cm = centimeters; SSP = Shared Socioeconomic Pathway

Table A-17. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (SSP3-7.0) from Light Trucks by Alternative, Direct and Indirect Impacts ^a

	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) ^{b, d}			Ocean A	Ocean Acidification (pH) ^e		
Alternative	tive 2040 2060 2100			2040	2060	2100	2040	2060	2100	2040	2060	2100	
Totals by Alt	ernative)											
No-Action	490.19	587.76	838.31	2.008	2.788	4.340	19.88	37.70	92.93	8.4013	8.3328	8.1933	
PC1LT3	490.18	587.75	838.32	2.008	2.788	4.340	19.87	37.70	92.93	8.4013	8.3328	8.1933	
PC2LT4	490.18	587.72	838.25	2.008	2.788	4.339	19.87	37.70	92.92	8.4014	8.3328	8.1933	
PC3LT5	490.16	587.66	838.08	2.008	2.788	4.339	19.87	37.70	92.90	8.4014	8.3329	8.1934	
PC6LT8	490.11	587.48	837.63	2.007	2.787	4.337	19.87	37.69	92.85	8.4014	8.3330	8.1936	
Reductions I	Under Ad	tion Alte	ernatives	5									
PC1LT3	0.01	0.01	0.00	0.000	0.000	0.000	0.00	0.00	0.001	0.0000	0.0000	0.0000	
PC2LT4	0.01	0.03	0.06	0.000	0.000	0.000	0.00	0.00	0.009	0.0000	0.0000	0.0000	
PC3LT5	0.03	0.10	0.23	0.000	0.001	0.001	0.00	0.01	0.026	0.0000	-0.0001	-0.0001	
PC6LT8	0.08	0.28	0.68	0.001	0.002	0.003	0.00	0.02	0.079	-0.0001	-0.0002	-0.0003	

CO₂ = carbon dioxide; °C = degrees Celsius; ppm = parts per million; cm = centimeters; SSP = Shared Socioeconomic Pathway

Tables showing CO₂ emissions and GHG emissions reductions (MMTCO₂) from the separate vehicle categories (passenger cars, light trucks, and HDPUVs) for purposes of the EIS's cumulative impacts analysis are not presented here because this information was already presented in Chapter 5, Section 5.4.1, *Direct and Indirect Impacts on Greenhouse Gas Emissions and Climate Change* (Tables 5.4.1-1 through 5.4.1-4). CO₂ emissions and emissions reductions do not change between direct and indirect and cumulative impacts because they are not affected by the modeling reference scenario.

^a The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases. This analysis was simulated using the same methodology as reported in Chapter 5, Section 5.3, *Analysis Methods*; however, it includes only emissions changes for light trucks.

^b The values for global mean surface temperature and sea-level rise are relative to the average of the years 1986–2005.

^cTemperature changes reported as 0.000 are more than zero but less than 0.001.

^d Sea-level rise changes reported as 0.00 are more than zero but less than 0.01.

e Ocean acidification changes reported as 0.0000 are less than zero but more than -0.0001.

Table A-18. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (SSP2-4.5) from Passenger Cars and Light Trucks by Alternative, Cumulative Impacts ^a

	CO ₂ Concentration (ppm)		Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) ^{b, d}			Ocean pH ^e			
	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Totals by Alt	ernative											
No-Action	472.65	532.40	587.78	1.852	2.370	2.826	19.17	33.85	67.12	8.4149	8.3704	8.3328
PC1LT3	472.64	532.39	587.76	1.852	2.370	2.826	19.17	33.85	67.11	8.4149	8.3704	8.3328
PC2LT4	472.64	532.36	587.69	1.852	2.370	2.826	19.17	33.85	67.11	8.4149	8.3704	8.3329
PC3LT5	472.62	532.29	587.54	1.851	2.369	2.825	19.17	33.85	67.09	8.4149	8.3705	8.3330
PC6LT8	472.56	532.07	587.04	1.851	2.368	2.823	19.17	33.84	67.04	8.4150	8.3706	8.3333
Reductions l	Jnder Ac	tion Alte	rnatives									
PC1LT3	0.01	0.02	0.02	0.000	0.000	0.000	0.00	0.00	0.00	0.0000	0.0000	0.0000
PC2LT4	0.02	0.05	0.09	0.000	0.000	0.000	0.00	0.00	0.01	0.0000	0.0000	-0.0001
PC3LT5	0.03	0.11	0.24	0.000	0.001	0.001	0.00	0.01	0.03	0.0000	-0.0001	-0.0002
PC6LT8	0.09	0.34	0.74	0.001	0.002	0.004	0.00	0.02	0.08	-0.0001	-0.0002	-0.0005

CO₂ = carbon dioxide; °C = degrees Celsius; ppm = parts per million; cm = centimeters; SSP = Shared Socioeconomic Pathway

Table A-19. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (SSP2-4.5) from All HDPUVs by Alternative, Cumulative Impacts ^a

	CO ₂ Concentration (ppm)		Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Le	vel Rise ((cm) ^{b, d}	Ocean pH ^e			
	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Totals by Alt	ternative	:										
No-Action	472.65	532.40	587.78	1.852	2.370	2.826	19.17	33.85	67.12	8.4149	8.3704	8.3328
HDPUV4	472.65	532.40	587.78	1.852	2.370	2.826	19.17	33.85	67.12	8.4149	8.3704	8.3328
HDPUV10	472.65	532.40	587.77	1.852	2.370	2.826	19.17	33.85	67.12	8.4149	8.3704	8.3328
HDPUV14	472.65	532.39	587.74	1.852	2.370	2.826	19.17	33.85	67.11	8.4149	8.3704	8.3328

^a The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases. This analysis was simulated using the same methodology as reported in Chapter 5, Section 5.3, *Analysis Methods*; however, it includes only emissions changes for passenger cars.

^b The values for global mean surface temperature and sea-level rise are relative to the average of the years 1986–2005.

^cTemperature changes reported as 0.000 are more than zero but less than 0.001.

^d Sea-level rise changes reported as 0.00 are more than zero but less than 0.01.

 $^{^{\}rm e}$ Ocean acidification changes reported as 0.0000 are less than zero but more than -0.0001.

	CO ₂ Concentration (ppm)		Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) b, d			Ocean pH ^e			
	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Reductions l	Jnder Ad	tion Alte	ernatives	5								
HDPUV4	0.00	0.00	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.0000	0.0000	0.0000
HDPUV10	0.00	0.00	0.01	0.000	0.000	0.000	0.00	0.00	0.00	0.0000	0.0000	0.0000
HDPUV14	0.00	0.02	0.04	0.000	0.000	0.000	0.00	0.00	0.00	0.0000	0.0000	0.0000

 CO_2 = carbon dioxide; °C = degrees Celsius; ppm = parts per million; cm = centimeters; HDPUV = heavy-duty pickup trucks and vans; SSP = Shared Socioeconomic Pathway

Table A-20. Global Mean Precipitation (Percent Increase) Using Increases in Global Mean Surface Temperature Simulated by MAGICC, by CAFE Standards Alternative ^a - Cumulative Impacts

Scenario	2040	2060	2100				
Global Mean Precipitation Change (scaling factor, % change in precipitation per °C change in temperature)		2.16%					
Global Temperature Above Average 1986–2005 Levels (°C) fo	r the SSP2-4.5 Scenario by Alternative						
No Action	1.852	2.370	2.826				
PC1LT3	1.852	2.370	2.826				
PC2LT4	1.852	2.370	2.826				
PC3LT5	1.851	2.369	2.825				
PC6LT8	1.851	2.368	2.823				
Reductions in Global Temperature (°C) by Alternative (Compa	red to the No-A	ction Alternative)	b				
PC1LT3	0.000	0.000	0.000				
PC2LT4	0.000	0.000	0.000				
PC3LT5	0.000	0.001	0.001				
PC6LT8	0.001	0.002	0.004				
Global Mean Precipitation Increase by Alternative (%)							
No-Action No-Action	4.00%	5.12%	6.11%				
PC1LT3	4.00%	5.12%	6.10%				
PC2LT4	4.00%	5.12%	6.10%				
PC3LT5	4.00%	5.12%	6.10%				
PC6LT8	4.00%	5.12%	6.10%				

^a The numbers in this table have been rounded for presentation purposes. As a result, the reductions might not reflect the exact difference of the values in all cases. This analysis was simulated using the same methodology as reported in Chapter 5, Section 5.3, *Analysis Methods*; however, it includes only emissions changes for light trucks.

^b The values for global mean surface temperature and sea-level rise are relative to the average of the years 1986–2005.

^cTemperature changes reported as 0.000 are more than zero but less than 0.001.

^d Sea-level rise changes reported as 0.00 are more than zero but less than 0.01.

^e Ocean acidification changes reported as 0.0000 are less than zero but more than -0.0001.

Scenario	2040	2060	2100					
Reductions in Global Mean Precipitation Increase by Alternative (% Compared to the No-Action Alternative)								
PC1LT3	0.00%	0.00%	0.00%					
PC2LT4	0.00%	0.00%	0.00%					
PC3LT5	0.00%	0.00%	0.00%					
PC6LT8	0.00%	0.00%	0.01%					

Table A-21. Global Mean Precipitation (Percent Increase) Using Increases in Global Mean Surface Temperature Simulated by MAGICC, by HDPUV FE Standards Alternative ^a - Cumulative Impacts

Scenario	2040	2060	2100						
Global Mean Precipitation Change (scaling factor, % change in precipitation per °C change in temperature)	2.16%								
Global Temperature Above Average 1986–2005 Levels (°C) for the SSP2-4.5 Scenario by Alternative									
No Action	1.852	2.370	2.826						
HDPUV4	1.852	2.370	2.826						
HDPUV10	1.852	2.370	2.826						
HDPUV14	1.852	2.370	2.826						
Reductions in Global Temperature (°C) by Alternative (Compared to the No-Action Alternative) ^b									
HDPUV4	0.000	0.000	0.000						
HDPUV10	0.000	0.000	0.000						
HDPUV14	0.000	0.000	0.000						
Global Mean Precipitation Increase by Alternative (%)									
No-Action No-Action	4.00%	5.12%	6.11%						
HDPUV4	4.00%	5.12%	6.11%						
HDPUV10	4.00%	5.12%	6.10%						
HDPUV14	4.00%	5.12%	6.10%						
Reductions in Global Mean Precipitation Increase by Alternative (% Compared to the No-Action Alternative)									
HDPUV4	0.00%	0.00%	0.00%						
HDPUV10	0.00%	0.00%	0.00%						
HDPUV14	0.00%	0.00%	0.00%						
	•								

^a The numbers in this table have been rounded for presentation purposes. As a result, the increases might not reflect the exact difference of the values in all cases.

^b Precipitation changes reported as 0.000 are more than zero but less than 0.001.

 $^{^{\}rm c}$ The increase in precipitation is less than 0.005%, and thus is rounded to 0.00%.

SSP = Shared Socioeconomic Pathway; MAGICC = Model for the Assessment of Greenhouse-gas Induced Climate Change;

[°]C = degrees Celsius

^a The numbers in this table have been rounded for presentation purposes. As a result, the increases might not reflect the exact difference of the values in all cases.

^b Precipitation changes reported as 0.000 are more than zero but less than 0.001.

^c The increase in precipitation is less than 0.005%, and thus is rounded to 0.00%.

SSP = Shared Socioeconomic Pathway; MAGICC = Model for the Assessment of Greenhouse-gas Induced Climate Change;

[°]C = degrees Celsius

Table A-22. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increases, Sea-Level Rise, and Ocean pH for Varying Climate Sensitivities for Selected CAFE Standards Alternatives ^a - Cumulative Impacts

	Climate Sensitivity	CO ₂ Concentration (ppm)		Global Mean Surface Temperature Increase (°C) b, c			Sea Level Rise (cm) ^d	Ocean pH ^e		
Alternative	(°C for 2 × CO ₂)	2040	2060	2100	2040	2060	2100	2100	2100	
No Action	2.4	467.16	518.61	558.07	1.597	2.015	2.298	51.76	8.3526	
	3.0	472.65	532.40	587.78	1.852	2.370	2.826	67.12	8.3328	
	3.9	478.62	546.17	617.33	2.132	2.807	3.427	86.81	8.3140	
PC1LT3	2.4	467.15	518.59	558.05	1.597	2.014	2.297	51.76	8.3526	
	3.0	472.64	532.39	587.76	1.852	2.370	2.826	67.11	8.3328	
	3.9	478.61	546.15	617.30	2.132	2.807	3.427	86.80	8.3140	
PC2LT4	2.4	467.14	518.57	557.99	1.597	2.014	2.297	51.75	8.3526	
	3.0	472.64	532.36	587.69	1.852	2.370	2.826	67.11	8.3329	
	3.9	478.61	546.12	617.23	2.132	2.807	3.426	86.79	8.3140	
PC6LT8	2.4	467.07	518.29	557.41	1.596	2.013	2.295	51.70	8.3530	
	3.0	472.56	532.07	587.04	1.851	2.368	2.823	67.04	8.3333	
	3.9	478.53	545.83	616.56	2.131	2.805	3.422	86.70	8.3145	
Reductions Und	der Alternative PC	1LT3 Con	npared to	the No-	Action Al	ternativ	е			
PC1LT3	2.4	0.01	0.02	0.02	0.000	0.000	0.000	0.00	0.0000	
	3.0	0.01	0.02	0.02	0.000	0.000	0.000	0.00	0.0000	
	3.9	0.01	0.02	0.02	0.000	0.000	0.000	0.01	0.0000	
Reductions Und	Reductions Under Alternative PC2LT4 Compared to the No-Action Alternative									
PC2LT4	2.4	0.02	0.04	0.08	0.000	0.000	0.000	0.01	-0.0001	
	3.0	0.02	0.05	0.09	0.000	0.000	0.000	0.01	-0.0001	
	3.9	0.02	0.05	0.09	0.000	0.000	0.001	0.01	-0.0001	
Reductions Under Alternative PC6LT8 Compared to the No-Action Alternative										
PC6LT8	2.4	0.09	0.32	0.66	0.001	0.002	0.003	0.06	-0.0005	
	3.0	0.09	0.34	0.74	0.001	0.002	0.004	0.08	-0.0005	
	3.9	0.09	0.34	0.77	0.001	0.002	0.005	0.11	-0.0005	

^a The numbers in this table have been rounded for presentation purposes. As a result, the increases do not reflect the exact difference of the values.

^b The values for global mean surface temperature and sea-level rise are relative to the average of the years 1986 through 2005.

^cTemperature changes reported as 0.000 are more than zero but less than 0.001.

^d Sea-level rise changes reported as 0.00 are more than zero but less than 0.01.

 $^{^{\}rm e}$ Ocean pH changes reported as 0.0000 are less than zero but more than -0.0001. ppm = parts per million; $^{\rm e}$ C = degrees Celsius; $^{\rm e}$ CO₂ = carbon dioxide; cm = centimeters

Table A-23. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increases, Sea-Level Rise, and Ocean pH for Varying Climate Sensitivities for Selected HDPUV FE Standards Alternatives ^a - Cumulative Impacts

	Climate Sensitivity	CO₂ Concentration (ppm)		Global Mean Surface Temperature Increase (°C) b, c			Sea Level Rise (cm) ^d	Ocean pH ^e	
Alternative	(°C for 2 × CO ₂)	2040	2060	2100	2040	2060	2100	2100	2100
No Action	2.4	467.16	518.61	558.07	1.597	2.015	2.298	51.76	8.3526
	3.0	472.65	532.40	587.78	1.852	2.370	2.826	67.12	8.3328
	3.9	478.62	546.17	617.33	2.132	2.807	3.427	86.81	8.3140
HDPUV4	2.4	467.16	518.61	558.07	1.597	2.015	2.298	51.76	8.3526
	3.0	472.65	532.40	587.78	1.852	2.370	2.826	67.12	8.3328
	3.9	478.62	546.17	617.33	2.132	2.807	3.427	86.81	8.3140
HDPUV10	2.4	467.16	518.60	558.06	1.597	2.015	2.298	51.76	8.3526
	3.0	472.65	532.40	587.77	1.852	2.370	2.826	67.12	8.3328
	3.9	478.62	546.16	617.32	2.132	2.807	3.427	86.81	8.3140
HDPUV14	2.4	467.16	518.59	558.04	1.597	2.015	2.297	51.76	8.3526
	3.0	472.65	532.39	587.74	2.008	2.788	4.339	67.11	8.3328
	3.9	478.62	546.15	617.29	2.132	2.807	3.427	86.80	8.3140
Reductions Und	der Alternative HD	PUV4 Co	mpared	to the No	-Action A	Alternati	ve		
HDPUV4	2.4	0.00	0.00	0.00	0.000	0.000	0.000	0.00	0.0000
	3.0	0.00	0.00	0.00	0.000	0.000	0.000	0.00	0.0000
	3.9	0.00	0.00	0.00	0.000	0.000	0.000	0.00	0.0000
Reductions Und	ler Alternative HD	PUV10 C	ompared	l to the N	lo-Action	Alterna	tive		
HDPUV10	2.4	0.00	0.00	0.01	0.000	0.000	0.000	0.00	0.0000
	3.0	0.00	0.00	0.01	0.000	0.000	0.000	0.00	0.0000
	3.9	0.00	0.00	0.01	0.000	0.000	0.000	0.00	0.0000
Reductions Under Alternative HDPUV14 Compared to the No-Action Alternative									
HDPUV14	2.4	0.00	0.02	0.03	0.000	0.000	0.000	0.00	0.0000
	3.0	0.00	0.02	0.04	0.000	0.000	0.000	0.00	0.0000
	3.9	0.00	0.02	0.04	0.000	0.000	0.000	0.01	0.0000

^a The numbers in this table have been rounded for presentation purposes. As a result, the increases do not reflect the exact difference of the values.

^b The values for global mean surface temperature and sea-level rise are relative to the average of the years 1986 through 2005.

^cTemperature changes reported as 0.000 are more than zero but less than 0.001.

^d Sea-level rise changes reported as 0.00 are more than zero but less than 0.01.

 $^{^{\}rm e}$ Ocean pH changes reported as 0.0000 are less than zero but more than -0.0001. ppm = parts per million; $^{\rm e}$ C = degrees Celsius; $^{\rm e}$ CO₂ = carbon dioxide; $^{\rm e}$ cm = centimeters

APPENDIX B

Scoping Comments

APPENDIX B SCOPING COMMENTS

B.1 Introduction

This appendix provides a synopsis of the substantive issues raised by public commenters in response to NHTSA's Notice of Intent to Prepare an EIS. NHTSA received 20 public comments on the Notice of Intent. Scoping comments were received from four original equipment manufacturers (Cummins, Inc. [Cummins]; Rivian Automotive, LLC [Rivian]; Hyundai Motor America [Hyundai]; and Tesla, Inc. [Tesla]) and four trade associations (American Petroleum Institute, Growth Energy, Zero Emission Transportation Association [ZETA], and The Aluminum Association). In addition, NHTSA received scoping comments from two advocacy organizations: the Environmental Law & Policy Center and Sierra Club and Earthjustice (joint comment letter). Scoping comments were also received from state and local governments and Native American tribes: Pennsylvania Department of Transportation (PA DOT), State of Missouri Office of Administration, Office of the Oakland City Attorney, Mille Lacs Band of Ojibwe, and Southern Ute Indian Tribe. Finally, NHTSA received five scoping comments from private citizens.

The issues most frequently raised by the submissions included the range of alternatives; technology that could be applied in response to maximum feasible standards; and the air quality, health, climate, and economic impacts of the proposed standards. Frequently included within these comments were references to the scientific literature and other information supporting or supplementing their comments. NHTSA has carefully reviewed the comments and has considered them during preparation of the EIS.

B.2 Summary of Issues Raised by Commenters

B.2.1 Purpose and Need

Three commenters—the Environmental Law & Policy Center, Tesla, and Sierra Club and Earthjustice (in a joint letter)—emphasized the need for NHTSA to prioritize energy conservation. The Environmental Law & Policy Center commented that NHTSA should place a strong weight on energy conservation, environmental considerations, and human health in accordance with the statutory command set out in the Energy Policy and Conservation Act (EPCA). Tesla further supported the prioritization of EPCA's overarching purpose of energy conservation. Sierra Club and Earthjustice commented that NHTSA's purpose and need must prioritize energy conservation above other considerations, also citing EPCA text related to maximum feasible fuel economy and EPCA's four statutory factors. The commenter cited court cases in stating that no factor can override the need to conserve energy and that issues related to energy conservation—consumer cost, national balance of payments, environmental issues, and foreign policy considerations—should also be addressed. The commenter substantiated this position by citing studies and figures on U.S. petroleum consumption, especially in the transportation sector and projections of continued imports of petroleum.

Furthermore, Sierra Club and Earthjustice wrote that the technological feasibility factor should be read to be technology forcing and that the economic practicability factor should not bar the imposition of substantial costs or be tied to the needs of a single manufacturer, citing cases and a prior NHTSA statement. Finally, these joint commenters urged NHTSA to explicitly recognize that EPA's greenhouse gas (GHG) standards are included as "other motor vehicle standards of the Government", as well as those of California and other states.

Cummins addressed NHTSA's fuel efficiency (FE) standards for medium- and heavy-duty (MDHD) engines and vehicles. The commenter stated their support for "tough, clear, and enforceable" standards. Cummins mentioned the need for collaboration between NHTSA, EPA, and "diverse stakeholders" throughout the process to set fuel economy standards. Cummins stated that there should be a harmonized national program for fuel efficiency and GHG standards by NHTSA, EPA, and the California Air Resources Board (CARB).

The Aluminum Association urged NHTSA that continuing to increase the efficiency of mobility solutions consistent with the "maximum feasible" criteria will strengthen the United States' competitive advantage in the evolving global vehicle marketplace.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA's purpose and need for its proposed action is discussed in Chapter 1, Section 1.2, *Purpose and Need*. NHTSA discusses its balancing of EPCA statutory factors and how the agency considered "the need of the United States to conserve energy," and more specifically environmental implications, in its decision to set maximum feasible standards further in the proposed rule preamble Section V.A.5.a.(4)(c). NHTSA has considered a wide range of technologies that improve fuel economy. NHTSA notes that the technological feasibility factor allows NHTSA to set standards that force the development and application of new fuel-efficient technologies. However, NHTSA's standards are performance-based, and manufacturers can achieve those standards through a combination of technology and compliance solutions. For more information, see the proposed rule preamble, Section IV. NHTSA agrees with the comment that economic practicability should not be tied to one manufacturer. NHTSA discusses economic practicability in the proposed rule preamble, Section IV.

In developing its regulatory baseline, NHTSA's CAFE and heavy-duty pickup trucks and vans (HDPUV) No-Action Alternatives account for California's Advanced Clean Cars II and Advanced Clean Truck (ACT) programs. NHTSA and EPA rulemakings to revise the standards remain closely coordinated despite being issued as separate regulatory actions. Chapter 1, Section 1.4, Cooperating Agencies, of this EIS and Section III.B of the proposed rule preamble discuss NHTSA's coordination with EPA in setting CAFE and HDPUV FE standards. EPA is a cooperating agency for this EIS and, as such, EPA was asked to review and comment on the Draft EIS prior to publication.

B.2.2 Proposed Action and Alternatives

B.2.2.1 Proposed Action

Cummins commented that NHTSA should provide manufacturers with sufficient regulatory lead time and stability to allow fuel-efficient technologies to be developed and implemented. The commenter expressed concern that issuing a final rule for MY 2029 FE standards no later than July 2025 would not meet the minimum 4 full years of lead time required under the Energy Independence and Security Act of 2007.

NHTSA is proposing MY 2030–2035 FE standards for HDPUVs, which allows for sufficient lead time and regulatory stability for manufacturers when issuing new FE standards.

B.2.2.2 No-Action Alternative and Baselines

Five commenters—Tesla, Sierra Club and Earthjustice, the Environmental Law & Policy Center, Rivian, and an individual commenter—provided input on the No-Action Alternative and baselines. Tesla and

Sierra Club and Earthjustice expressed support for NHTSA's decision to include CARB's Advanced Clean Cars II program in the No-Action Alternative baseline. Similarly, these commenters supported NHTSA including CARB's ACT program in the baseline of the No-Action Alternative, asserting that five states have adopted this California regulation and EPA is in the process of finalizing the grant of a waiver for the ACT program.

The Environmental Law & Policy Center and an individual commenter stated that the popularity of fuel-efficient vehicles (particularly electric vehicles [EVs]), and the pace at which manufacturers and the market are moving toward cleaner vehicles is rising, has historically been underestimated by NHTSA, and NHTSA should properly account for this in the baseline. The Environmental Law & Policy Center urged NHTSA to incorporate accurate baseline assumptions about the fuel efficiency of MY 2027 and beyond vehicles absent any strengthening of the standards, citing the Inflation Reduction Act (IRA) and Infrastructure Investment and Jobs Act (IIJA) as containing provisions intended to jumpstart the transition to clean vehicles. The individual commenter said that the United States recently passed a threshold of 5 percent of new vehicle sales being EVs and, after such a threshold has been passed, mass EV adoption has been shown in other countries, citing Norway as an example. Citing a source estimating that 50 percent of new vehicle sales could be EVs by 2035, the commenter reasoned that as the efficiency of vehicles rises, the baseline rises, which in turn should raise the maximum feasible standards. Rivian also stated that NHTSA should account for the IRA and incentives for EV adoption when setting standards. Sierra Club and Earthjustice advised NHTSA to account for the IRA's impacts on future EV sales.

In developing its regulatory baseline, NHTSA's CAFE and HDPUV No-Action Alternatives account for California's Advanced Clean Cars II and ACT programs and incentives included in the IIJA and IRA. Unlike other technologies in the analysis, Congress placed specific limitations on how NHTSA considers EV fuel economy when setting CAFE standards.¹ For the EIS analysis, NHTSA does consider manufacturers building EVs in response to the standards for NHTSA to consider the actual environmental impacts of the action in the decision-making process, even though the agency does not consider alternative fuel vehicles, including EVs, in setting its standards.²

B.2.2.3 Reasonable Range of Alternatives

Seven commenters—Environmental Law & Policy Center, Hyundai, ZETA, Tesla, Sierra Club and Earthjustice, Rivian, and Mille Lacs Band of Ojibwe—provided input on the reasonable range of alternatives NHTSA should consider. The Environmental Law & Policy Center and an individual commenter urged NHTSA to examine a range of alternatives that includes protective standards that would help avert the worst impacts of climate change and reduce threats to human health from climate change, near-road vehicle pollution, fossil fuel extraction and refining, and environmental justice concerns. Hyundai encouraged NHTSA to consider alternatives that have a lower impact on, and in fact benefit, environmental justice communities. The Environmental Law & Policy Center implored NHTSA to place a strong weight on energy conservation, environmental considerations, and human health when determining the upper and lower bound for the EIS range of alternatives, reasoning that the transportation sector has surpassed the electricity sector as the leading source of U.S. emissions

¹ 49 U.S.C. 32902(h)(1), (2). In determining maximum feasible fuel economy levels, "the Secretary of Transportation—(1) may not consider the fuel economy of dedicated automobiles; [and] (2) shall consider dual fueled automobiles to be operated only on gasoline or diesel fuel."

² 40 CFR 1500.1(a).

contributing to climate change (citing EPA's April 2021 GHG inventory). ZETA and an individual commenter encouraged NHTSA to establish the most stringent standards possible.

Tesla and the Environmental Law & Policy Center requested that NHTSA consider a range of alternatives that accounts for the rapid development and deployment of fuel-efficient technology, with Tesla citing the rapid pace of vehicle electrification specifically. Tesla remarked that NHTSA should consider how more stringent MY 2027 and beyond standards that facilitate the greater deployment of zero-emission vehicles (ZEVs) will contribute to reducing the nation's oil dependency. The Environmental Law & Policy Center remarked that the most ambitious alternative has potential to become feasible and economically viable by implementation of the new standards. The Environmental Law & Policy Center stressed that costs of transitioning to cleaner vehicles are vastly outweighed by the costs of failing to take seriously the statutory command to set "maximum feasible" standards that will help lessen the impacts of the climate crisis and prevent more public health harms. Further, speaking specifically on heavy-duty (HD) vehicles, Rivian requested that NHTSA account for electrification trends and assist in accelerating the pace of electrification through maximum feasible FE standards that reflect the contributions of electrification in the market.

Sierra Club and Earthjustice supported NHTSA's use of an upper-bound alternative to place greater weight on energy conservation and environmental considerations than economic practicability concerns but stated that even the lower-bound alternative must recognize EPCA's purpose of conserving energy. The commenter stated that NHTSA cannot select any stringency within the range presented because, the commenter wrote, EPCA requires NHTSA to prioritize energy conservation above all other factors. The commenter cited 2012 and 2022 CAFE regulatory documents in urging NHTSA to analyze an 8 to 10 percent annual increase as the upper-bound alternative. Mille Lacs Band of Ojibwe urged NHTSA to aggressively decarbonize the U.S. transportation sector by ensuring there is at a minimum a 10.0 percent annual average increase in fuel efficiency, with alternatives examining the feasibility of up to 25.0 percent annual average increase in fuel efficiency. Furthermore, Mille Lacs Band of Ojibwe stated that NHTSA should require all newly produced light-duty (LD) vehicles to be zero-tailpipe emissions by no later than MY 2030 and HD vehicles no later than MY 2035.

Tesla asserted that NHTSA should consider a Preferred Alternative that sets the fuel economy standards stringent enough to result in vehicle deployment that substantially exceeds the 50 percent EV sales by 2030 goal established in President Biden's Executive Order (E.O.) 14037, reasoning that the E.O. was issued prior to the adoption of the IRA, IIJA, CARB's Advanced Clean Cars II program, and other new industry analyses and announcements. This commenter said that, in defining the Preferred Alternative, NHTSA must focus on the EPCA requirement that standards reflect a maximum feasible level and prioritize EPCA's overarching purpose of energy conservation. Therefore, according to Tesla, NHTSA must consider EPA's plans for MY 2027 and beyond LD GHG emissions standards, California's new ZEV standards, and the recently passed Federal legislation that is supportive of expansive vehicle electrification (i.e., IIJA and IRA).

Tesla commented that NHTSA should consider technology-forcing alternatives that account for rapid technological advances when reviewing potential alternatives. The commenter asserted that NHTSA should view "non-marketed prototypes" as technologically feasible, per *NRDC v. Herrington*, which the commenter said defined "technological feasibility" only as "capable of being carried out." Tesla urged for an evaluation of these technologically feasible, cutting-edge vehicle technologies to be reflected in alternatives. Furthermore, Tesla asserted that NHTSA should analyze alternatives that would

substantially exceed the goals in E.O. 14037 (50 percent EV sales by 2030), especially in recognition of the subsequent passage of IIJA and IRA.

NHTSA has reviewed and considered these comments in the development of this EIS. Chapter 2, *Proposed Action and Alternatives and Analysis Methods*, of this EIS and Section III of the proposed rule preamble address the selection of alternatives and the technologies that are anticipated to be feasible in the timeframe of this rulemaking. NHTSA addresses the limits of its statutory authority in the notice of proposed rulemaking (NPRM).

B.2.3 Environmental Impacts

Sierra Club and Earthjustice generally commented that NHTSA must fully consider expected direct, indirect, and cumulative environmental impacts, citing regulations and caselaw. The commenter stated that NHTSA could improve its EIS by utilizing quantifiable, cost-based measures for environmental impacts in the EIS in addition to the risk impact assessment. Additionally, the commenter urged that any new EIS directly include all relevant information and tables provided in prior EISs instead of providing those materials in appendices. Furthermore, the commenter urged that NHTSA rely on up-to-date science in its analysis rather than simply incorporating prior analyses by reference.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA's EIS incorporates updated scientific methods and literature into its analysis of the potential environmental impacts of NHTSA's Proposed Action and alternatives. Regarding cost-based measures of environmental impacts, NHTSA presents the estimated monetized impacts of its proposed standards and regulatory alternatives in the Preliminary Regulatory Impact Analysis (PRIA).

B.2.3.1 Energy

Four commenters—the Environmental Law & Policy Center, Mille Lacs Band of Ojibwe, Tesla, and an individual commenter—addressed the energy-related environmental impacts of NHTSA's proposed rule. The Environmental Law & Policy Center discussed the impacts of NHTSA's proposed action as it relates to national energy security. The commenter expressed that encouraging the move to more fuel-efficient vehicles will protect the United States' economy and energy security. The commenter added that consumers are demanding more efficient cars following gas price hikes and concerns over the international oil market.

The Mille Lacs Band of Ojibwe stated that NHTSA's EIS must analyze and discuss land use impacts from the changes in mining and energy extraction, including impacts resulting from a transition from internal combustion engine (ICE) vehicles to EVs. The commenter also suggested that the EIS analyze land use impacts from scrapping (recycling or disposing) old vehicles due to the replacement of newer vehicles. An individual commenter also noted that NHTSA should consider the strength of EV adoption in the EIS.

Similarly, an individual commenter recommended that NHTSA's EIS should estimate the aggregate environmental and human health impacts caused by emissions, changes in land use, contamination, and other factors related to increased mining for EV-related resources, which the commenter said would be a reasonably foreseeable indirect effect of NHTSA setting high fuel economy standards. For example, this commenter stated that gold, lithium, and antimony would be minerals that would be mined due to the increased need for EVs in compliance with CAFE standards. The commenter suggested looking at the aggregate carbon emissions associated with extracting these minerals and asserted that antimony is poisonous and carcinogenic to humans. Additionally, the commenter stated that over-extraction and

pollution degrade environmental and human health, with consequences for the economic feasibility of the CAFE and FE standards.

Tesla generally recommended that NHTSA's EIS recognize the oil savings, emissions reductions, and public health and welfare benefits that will accrue from establishing stringent CAFE standards for MY 2027 and beyond and HDPUV FE standards for MY 2029 and beyond. Asserting that the harms caused by air pollution are necessarily cumulative, the Environmental Law & Policy Center urged NHTSA to fully account for the impacts on communities affected by oil extraction and oil refining.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA addresses potential environmental impacts of petroleum imports in Chapter 3, Section 3.2, Affected Environment, and discusses energy security in Chapter 6.2.4 of the Technical Support Document (TSD). In response to comments on land use impacts, NHTSA added discussions on interactions between land use and GHG life-cycle emissions (including from mining) (Chapter 3, Section 3.2.1.1, Petroleum Extraction) and land use tradeoffs between biofuel production and crop production (Chapter 3, Section 3.2.3, Diesel and Biofuels). Additionally, the EIS presents the environmental impacts from various criteria pollutants emitted during the energy production lifecycle (Chapter 4, Air Quality).

Energy Sources

Four commenters—ZETA, Sierra Club and Earth Justice, Growth Energy, and an individual commenter—addressed how vehicle energy sources can affect the life-cycle emissions of vehicles.

ZETA encouraged NHTSA to consider how improvements in the U.S. electric grid will continue to lower the life-cycle emissions associated with EVs while the footprint associated with ICE vehicles would remain mostly unchanged. ZETA referred to a Wood Mackenzie study that the commenter asserted found that at typical mid-sized EV generates 67 percent fewer GHG emissions compared to lifetime emissions of ICE vehicles.

Sierra Club and Earthjustice stated that NHTSA must consider upstream impacts of oil spills from pipelines, environmental concerns associated with the transportation of crude oil in railcars, transport of oil sands crude, and updated information on methane releases and leaks from oil and gas extraction in its analysis of internal ICE vehicles. This commenter generally stated that NHTSA's life-cycle assessment (LCA) should be improved upon from its evaluation in the most recent Final EIS, and the EIS must include the full impacts for the transportation segment when assessing the adverse environmental impacts of ICE vehicles.

Growth Energy commented on energy sources such as bioethanol fuels. Growth Energy suggested that NHTSA evaluate the benefits of bioethanol while establishing fuel economy standards. Growth Energy cited research to support its assertion that there are air quality benefits and GHG reductions associated with bioethanol fuels. Growth Energy also referred to its comments on previous rules and urged NHTSA to consider these comments in detail. An individual commenter also provided feedback on biofuels and urged NHTSA to focus on zero tailpipe emissions and not pursue biofuels.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA analyzed and added discussions on electric grid projections and their potential impact on LCA emissions (Chapter 3, Section 3.2.2, *Electricity*). NHTSA expanded discussions on the environmental impacts of oil spills that may occur during petroleum transportation (Chapter 3, Section 3.2.1.2, *Petroleum Transportation*). NHTSA considers projections of biofuels and ethanol, their relative carbon intensity, and their

environmental risk associated with changing land use patterns (Chapter 3, Section 3.2.3, *Diesel and Biofuels*).

B.2.3.2 Air Quality

Six commenters addressed air quality topics in their comments, which are summarized in the subsections below. NHTSA discusses the air quality impacts of its Proposed Action and alternatives in Chapter 4, *Air Quality*.

Support for Electrification to Improve Air Quality

Three commenters—Tesla, PA DOT, and ZETA—concluded that transitioning from ICE vehicles to EVs would improve air quality and lower risks of respiratory illnesses. Tesla urged NHTSA to assess how fuel economy standards promoting accelerated electrification would benefit public health, citing several peer-reviewed analyses it urged NHTSA to consider during development of the EIS.

NHTSA has reviewed and considered these comments in the development of this EIS. While NHTSA's standards do not require any particular technology solution, NHTSA's analysis of the air quality impacts of the Proposed Action and alternatives in Chapter 4, *Air Quality*, shows how the No-Action Alternative and action alternatives would impact nationwide emissions of criteria and toxic air pollutants, including health effects.

Requests for Air Quality Analysis

Six commenters—the Environmental Law & Policy Center, Cummins, Southern Ute Indian Tribe, PA DOT, ZETA, and Tesla—requested NHTSA consider specific analyses of air quality topics. The Environmental Law & Policy Center recommended that NHTSA examine the effects of reduced emissions of ozone precursors, nitrogen oxides, and particulate matter, which the commenter asserted trigger chronic health problems and emergency room visits for sensitive populations. Cummins also recommended that the tradeoff between nitrogen oxides and carbon dioxide reductions must be considered when setting the stringency of FE standards. The Southern Ute Indian Tribe requested additional information about how methane seepage and vehicle emissions will affect air quality and the atmosphere, particularly in the Southwest. PA DOT requested that NHTSA consider how changes in air quality resulting from the rule would affect metropolitan planning organizations' air quality goals and air quality conformity determinations for transportation improvement programs. ZETA provided a reference for NTHSA to include studies on near-road emissions and health effects. Tesla provided studies highlighting the environmental benefits of light duty standards that result in significantly greater deployment of EVs that result in reduced emissions.

Tesla generally recommended that NHTSA's EIS recognize the oil savings, emissions reductions, and public health and welfare benefits that will accrue from establishing stringent CAFE standards for MY 2027 and beyond and HDPUV FE standards for MY 2029 and beyond. Asserting that the harms caused by air pollution are necessarily cumulative, the Environmental Law & Policy Center urged NHTSA to fully account for the impacts on communities affected by near-road pollution.

NHTSA has considered these comments in its development of this EIS. As suggested by the Environmental Law & Policy Center, the EIS does evaluate how the Proposed Action and alternatives would affect health outcomes (Chapter 4, Section 4.2.1.1, *CAFE Standards – Health Impacts*; Section 4.2.1.2, *HDPUV FE Standards – Health Impacts*; Section 4.2.2.1, *Cumulative Impacts of MY 2027–2032*

CAFE Standards and MY 2030–2035 HDPUV FE Standards – Health Impacts). In its scoping notice, NHTSA announced that it would include full-scale photochemical air quality modeling to estimate changes in ambient levels of air pollutants and their associated impacts on human health and welfare for the Final EIS.

NHTSA considered the tradeoffs among air pollutants and GHGs in balancing its statutory factors and considerations in setting the CAFE standards and HDPUV FE standards. Chapter 4, Table 4.2.1 4, Maximum Changes in Criteria Pollutant Emissions (tons per year) from U.S. Passenger Cars and Light Trucks, Across All Nonattainment or Maintenance Areas, Alternatives, and Years, Direct and Indirect Impacts, provides estimated emissions changes by nonattainment area, which can inform metropolitan planning organizations' air quality programs. As noted by Tesla and the Environmental Law & Policy Center, near-road air quality impacts are of concern. While a local analysis (i.e., at the individual roadway level) is impractical for a nationwide EIS, NHTSA believes that the regional emissions analysis provided in Chapter 4, Air Quality, still provides valuable information and is feasible for the scope of this analysis. Emissions changes due to the rebound effect would occur from LD vehicles and HDPUVs operating on entire regional roadway networks; any emissions changes due to the rebound effect would be distributed throughout a region's entire road network and at any specific location would be uniformly proportional to VMT changes at that location. At any one location within a regional network, the resulting change in emissions would be small compared to total emissions from all sources surrounding that location (including existing emissions from traffic already using the road), so the localized impacts of the Proposed Action and alternatives on ambient concentrations and health impacts should also be small. The nationwide aggregated consequences of such small near-road impacts on ambient pollutant concentrations and health might be larger but are not feasible to quantify. These topics raised by commenters are addressed throughout the EIS's analysis of how the Proposed Action and alternatives would affect air quality in Chapter 4, Air Quality.

B.2.3.3 Climate Change

Analysis Methods

Four commenters—Environmental Law & Policy Center, PA DOT, Tesla, and ZETA—made suggestions relating to the EIS's analysis methods to assess the climate change impacts of NHTSA's Proposed Action. The Environmental Law & Policy Center requested that NHTSA qualitatively and quantitatively assess how new fuel economy standards are expected to affect climate warming, precipitation, and "other harmful effects" of climate change. The commenter added that NHTSA should communicate climate effects to the public in a way that facilitates public understanding, without diminishing the magnitude of these effects. The commenter noted that presenting the expected emissions reductions solely in the context of global emissions on a 100-year scale would unfairly diminish the magnitude of these effects, and suggested the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report as illustrating the importance of climate change to the Midwest and Great Lakes. PA DOT also suggested that NHTSA consider IPCC's Sixth Assessment Report and recognize risks to ecosystems, human health, and economies. PA DOT urged NHTSA to weigh the negative impacts of lower standards. Tesla commented suggesting NHTSA consider the IPCC Sixth Assessment Report as well.

NHTSA has reviewed and considered these comments in the development of this EIS. In Chapter 5, *Greenhouse Gas Emissions and Climate Change*, NHTSA has considered a wide range of the potential environmental impacts of GHG emissions, including changes in global mean surface temperature and global precipitation. As suggested by commenters, the EIS's discussion of climate change impacts refers extensively to the IPCC Sixth Assessment Report (Chapter 5, *Greenhouse Gas Emissions and Climate*

Change; Appendix E, Climate Change). NHTSA presents climate impacts in 2040, 2060, and 2100, which helps demonstrate both the near-term (mid-century) and end-of-century impacts from the proposed alternatives. Emissions reductions by alternative are presented as a line chart from 2022 to 2050 in Chapter 5, Figure 5.4.1-3.

Social Cost of Carbon

Two commenters—Tesla and Sierra Club and Earthjustice—addressed the social cost of carbon in their scoping comments. Tesla expressed support for NHTSA's proposed use of the interim Federal social cost of carbon as a starting point for analysis. However, Tesla cited numerous studies to support its argument that the interim social cost of carbon underestimates the actual costs and impacts of climate change. The commenter urged NHTSA to adjust their analysis to align with the literature cited.

Furthermore, Sierra Club and Earthjustice urged NHTSA to evaluate cumulative impacts by examining comparative data and utilizing Interagency Working Group's most recent social cost of carbon figures in examining alternatives. The commenter cited National Oceanic and Atmospheric Administration research as supporting what the commenter described as the increasingly reliable science for quantifying climate change impacts.

NHTSA includes analysis of the monetized climate change benefits of increasing CAFE and FE standards in Chapter 8 of the PRIA, which is consistent with prior EISs associated with rulemakings for CAFE and FE standards. The discussion in the PRIA is incorporated by reference into Chapter 5, *Greenhouse Gas Emissions and Climate Change*, consistent with CEQ regulations.³

Cumulative Climate Change Impacts

Four commenters—the Environmental Law & Policy Center, Tesla, a joint submission from the Sierra Club and Earthjustice, and ZETA—discussed the health, societal, and environmental impacts of climate change. All commenters remarked that NHTSA should address how transitioning to low- or zero-emission transportation would have significant health implications. Asserting that the harms caused by climate-changing and health-damaging air pollution are necessarily cumulative, the Environmental Law & Policy Center urged NHTSA to fully account for climate change impacts on communities affected by oil extraction, oil refining, and near-road pollution, as well as those communities "on the front lines of climate change impacts."

Sierra Club and Earthjustice commented that NHTSA must evaluate and disclose the costs of any delay of increased standard stringency (i.e., "backloading" higher degrees of stringency into outer years), citing NHTSA's 2012 Final EIS (NHTSA 2012) climate cumulative impacts discussion, which stated that "delaying mitigation of GHG emissions results in greater accumulation of CO₂ in the atmosphere, thereby increasing the risk of crossing tipping points and triggering abrupt changes."

Sierra Club and Earthjustice commented that NHTSA must present cumulative impacts in a way to highlight their significance. In particular, the commenter wrote that NHTSA should consider scenarios under which world governments take aggressive action to address climate change. The commenter added that NHTSA should consider the current administration's regulatory agenda and other legislative and regulatory actions being taken to address climate change, as well as IPCC report discussions of

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³ 40 CFR 1501.12.

climate change impacts. The commenter stated that contextualizing alternatives within a carbon budget will also better inform NHTSA's decision-making.

NHTSA has reviewed and considered these comments in the development of the EIS. This EIS analyzes the potential direct, indirect, and cumulative impacts of the Proposed Action and alternatives. NHTSA has considered the best available information and includes extensive analyses of the potential climate change impacts of the Proposed Action and alternatives in the PRIA and this EIS. Chapter 5, Section 5.4.2, Cumulative Impacts on Greenhouse Gas Emissions and Climate Change, examines the potential climate impacts resulting from the different alternatives under a moderate climate scenario, SSP2-4.5. This scenario assumes that there will be some level of successful global action taken to limit greenhouse gas emissions, although not as ambitious as scenarios with more dramatic CO₂ reductions. The SSP2-4.5 scenario takes into account various factors, including demographics, technology, energy consumption, and land use changes, to project future GHG emissions and climate impacts. The U.S. Federal regulatory and legislative agenda plays a role in shaping this moderate climate scenario. These programs are further detailed in Appendix E, Section E.4.2.4.3, Other Past, Present, and Reasonably Foreseeable Future Actions. This section provides an overview of the relevant policies and programs that have been implemented, are currently in place, or are likely to be enacted in the foreseeable future. Additionally, NHTSA has considered the GHG impacts of its fuel economy actions in terms of a global carbon budget in Chapter 5, Section 5.4.1.1, Greenhouse Gas Emissions.

B.2.3.4 Life-Cycle Assessment Implications of Vehicle Materials

Three commenters—Mille Lacs Band of Ojibwe, Cummins, and Aluminum Association, and American Petroleum Institute—discussed LCA implications of NHTSA's proposed rule. The Mille Lacs Band of Ojibwe commented on the topic of LCA broadly and requested that NHTSA conduct a complete LCA of the impacts of its proposed rule. The commenter recognized that quantifying the LCA impacts would require extensive data collection on many variables that are highly uncertain but urged NHTSA to collect as much relevant data as possible and insert best guesses based on past experiences. Cummins suggested that NHTSA consider well-to-wheels emissions and energy use in assessing technology effectiveness to ensure alignment of the standards with the most beneficial path to zero emissions.

The Aluminum Association expressed their interest in providing aluminum life-cycle inventory data, specifically developed for the automotive market, to be easily accessed and used by stakeholders with the latest data published in February 2022. The Aluminum Association recognized the ability for NHTSA and stakeholders to use the data to assess environmental impacts of aluminum auto products throughout the life cycle of vehicles.

The American Petroleum Institute urged NHTSA to consider a wells-to-wheels approach in setting standards as it provides a systems-based analytical framework to evaluate impacts.

NHTSA has considered these comments in developing the EIS. NHTSA has included detailed discussion of the LCA-related differences in emissions impacts associated with difference choices of vehicle energy sources (Chapter 3, Energy) and vehicle materials (Chapter 6, Life-Cycle Assessment Implications of Vehicle Materials) so that the decision-maker is informed about the impacts of different vehicle technology choices. As suggested by a commenter, Chapter 6, Life-Cycle Assessment Implications of Vehicle Materials, addresses the use of aluminum in vehicle manufacture specifically.

As explained in Chapter 6, Section 6.1, *Introduction*, a complete LCA of the impacts of a CAFE rulemaking, which is beyond the scope of an EIS, would require extensive data collection on many

variables that are highly uncertain, including future design and technology response of vehicle manufacturers to a given set of standards; an applied technology's manufacturing processes, application to vehicles, and disposal after use; interactions between applications of multiple fuel savings technologies; regional fuel sourcing projections and electric grid compositions; and data on the variety of vehicle types, manufacturers, and technology uses expected in the future. In this rulemaking, different regulatory alternatives (for both CAFE and HDPUV FE standards) are based on performance and the standards do not mandate the adoption of specific technologies. Therefore, NHTSA cannot know precisely how manufacturers will choose technologies to meet a particular regulatory alternative. For this reason, NHTSA does not believe that a complete LCA would be an accurate way for decision-makers to evaluate differences in impacts across action alternatives.

B.2.3.5 Environmental Justice

General Environmental Justice Comments

Multiple commenters identified concerns with the potential environmental justice impacts from changes to the fuel economy standards. The Office of the Oakland City Attorney (Oakland City Attorney) commented that frontline and fenceline communities, particularly those in lower-income communities and communities of color, are disproportionately burdened by harmful effects of pollution related to health and well-being. The Oakland City Attorney requested that NHTSA apply an environmental justice lens to the impact analysis, specifically to analyze the range of alternatives considered for CAFE and FE standards. The Oakland City Attorney recommended that NHTSA pay particular attention to the impact of each alternative on frontline and fenceline communities that have historically suffered the most from vehicle emissions.

The Environmental Law & Policy Center stated that the harms caused by climate-changing, health-damaging pollution are cumulative and that NHTSA should account for the impacts on communities that are affected by oil extraction, refining, and near-road pollution. An individual commenter also encouraged NHTSA to take into consideration environmental justice.

Additionally, Hyundai encouraged NHTSA to, consistent with goals from prior E.O. and DOT policies, consider alternatives that would benefit environmental justice communities. Hyundai also urged NHTSA to fully analyze the impacts of alternatives without similar benefits to environmental justice communities. Further, Hyundai encouraged NHTSA to consider developing an optional program to provide credits or flexibilities to manufacturers who target higher fuel economy distribution in environmental justice communities. Hyundai stated that the EIS is a critical opportunity for NHTSA to consider environmental justice communities and the effect of its proposed action on such communities.

Sierra Club and Earthjustice commented that NHTSA's Final Supplemental EIS for MY 2024–2026 CAFE standards failed to identify studies on impacts on communities located near power generation, distribution facilities, or mining sites, but that EPA's 2015 NPRM stated that a higher percentage of communities of color and low-income communities live in proximity to power generation sites. Sierra Club and Earthjustice urged NHTSA to consider EPA's analyses in developing its own and provided a citation to a study regarding environmental justice and proximity to power generation sites. Sierra Club and Earthjustice also provided additional studies for NHTSA to consider.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA analyzes the potential environmental justice impacts of the Proposed Action and alternatives in Chapter 7, *Environmental Justice*. The two major policies guiding NHTSA's environmental justice analysis are E.O.

12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations,⁴ and DOT Order 5610.2(a), Department of Transportation Actions to Address Environmental Justice in Minority Populations and Low-Income Populations.⁵ These policies require agencies to identify and consider any disproportionately high and adverse human health or environmental effects of a proposed action. NHTSA carefully considered all of the information and studies provided. As discussed in the Chapter 7, Environmental Justice, which includes some of the information provided by commenters, while there are likely to be some disproportionate adverse effects on low income and minority populations resulting from the Proposed Action, these impacts would be minor and are not considered "high" as defined by the E.O. and DOT Order. NHTSA's proposed compliance flexibilities are addressed in Section VI.B of the preamble to the proposed rule.

Effects of Mining and Resource Extraction

Two commenters—Mille Lacs Band of Ojibwe and Sierra Club and Earthjustice—addressed the Proposed Action's potential impacts on mining and resource extraction The Mille Lacs Band of Ojibwe requested that the environmental justice section of the EIS discuss how mining and energy resource activities and impacts often occur within 35 miles of Indian country. Similarly, Sierra Club and Earthjustice provided a citation as to the percent of metals located within 35 miles of Indian reservations and urged NHTSA to consider studies on cultural impacts of mining on Native Americans.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA analyzes the potential environmental justice impacts of the Proposed Action and alternatives in Chapter 7, *Environmental Justice*. NHTSA has incorporated the study identified by commenters about mining sites for energy-transition metals being sited within 35 miles of Indian reservations Chapter 7, Section 7.2.3, *Proximity to Mining for Energy-Transition Resources*, and Section 7.3.1.3, *Proximity to Mining for Energy-Transition Resources*. This includes information about how proximity of mines could disproportionately affect Native American populations.

Health Effects on Environmental Justice Communities

Four commenters—Oakland City Attorney, the Environmental Law & Policy Center, Sierra Club and Earthjustice, and ZETA—addressed the health-related impacts of vehicle emissions on environmental justice communities. The Oakland City Attorney pointed out that health disparities by race are stark, indicating that policy changes would disproportionately benefit environmental justice populations. The Oakland City Attorney also expressed that West and East Oakland residents are prime examples of individuals who face severe health problems because of vehicle-related pollution and would disproportionately benefit from more aggressive FE standards. The Environmental Law & Policy Center suggested that NHTSA examine the effects of reduced emissions of ozone precursors, nitrogen oxides, and particulate matter. The commenter stated that these pollutants affect urban areas and trigger health problems and emergency visits for sensitive populations. Sierra Club and Earthjustice commented that air pollution disproportionately affects the health of minorities, lower-income and lower-educational-attainment individuals, and that NHTSA's analysis of these impacts should

⁴ Executive Order 12898; Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, 59 FR 7629 (Feb. 16, 1994).

⁵ Department of Transportation Updated Environmental Justice Order 5610.2(a); Final DOT Environmental Justice Order, 77 FR 27534 (May 10, 2012).

incorporate more recent studies. ZETA cited research as indicating that minority communities experience greater nitrogen dioxide exposure and concomitant health risks.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA analyzes the potential environmental justice impacts of the Proposed Action and alternatives in Chapter 7, *Environmental Justice*. NHTSA has updated the environmental justice literature review to include several more recent studies identified by commenters as well as studies from similar recent rulemakings. These new studies cover topics related to disproportionate health impacts on communities located near industrial facilities (including power generation), roadways, and mining for energy-transition metals.

Equity

Four commenters—Sierra Club and Earthjustice, Environmental Law & Policy Center, PA DOT, and an individual commenter—provided comments regarding more stringent standards be evaluated to promote environmental justice and equity. Sierra Club and Earthjustice stated that decreases in vehicle and upstream non-GHG gas emissions over time provide benefits to environmental justice populations. Additionally, they stated that NHTSA's standards will decrease refinery emissions and benefit nearby communities, which are historically low-income and minority communities and that clean, more fuel-efficient vehicles will benefit these populations.

The Environmental Law & Policy Center suggested that NHTSA consider the environmental justice and equity impacts of reducing near-road pollution in environmental justice communities that are crossed by highways or near oil refineries.

A few commenters addressed equity for environmental justice populations as it relates to the potential impacts of NHTSA's standards on vehicle prices. For example, PA DOT suggested that standards should be evaluated relative to the effect they may have on vehicle prices because, if vehicle prices are higher, areas with environmental justice populations may have fewer low-emission vehicles and, thus, worse air quality. In addition, PA DOT suggested that more stringent standards may also affect small or disadvantaged businesses if vehicles become more expensive. Additionally, an individual commenter suggested that NHTSA consider the price effect on both new and used passenger vehicles and HD trucks from the new standards. The commenter suggested the EIS consider the environmental justice and economic effects high prices may have because increased prices will have a disproportionate effect on environmental justice populations.

NHTSA has reviewed and considered these comments in the development of this EIS. NHTSA analyzes the potential environmental justice impacts of the Proposed Action and alternatives in Chapter 7, *Environmental Justice*. NHTSA has updated the environmental justice literature review to include several more recent studies identified by commenters as well as studies from similar recent rulemakings. These new studies cover topics related to disproportionate health impacts on communities located near industrial facilities (including power generation) and roadways, as well as distributed benefits of EVs amongst disadvantaged populations. NHTSA also considered a quantitative environmental justice analysis in accordance with analyses asked by commenters but decided that, given the uncertainties and constraints of the data and quantitative methods available, a qualitative literature review with updated studies was most appropriate for this EIS. NHTSA was unavailable to find peer-reviewed studies on the impact of vehicle prices on small or disadvantaged businesses and did not incorporate this topic into Chapter 7, *Environmental Justice*.

B.2.3.6 Historic and Cultural Resources

The Mille Lacs Band of Ojibwe stated that the EIS must contain a historic and cultural resources section to conform with requirements in the National Historic Preservation Act of 1966 (NHPA) and the National Register of Historic Places. They expressed that the EIS must also discuss the possibility of degradation of cultural assets that are outlined in the Native American Graves Protection and Repatriation Act (NAGPRA). The Mille Lacs Band of Ojibwe stated that, while quantifying NAGPRA impacts may be difficult, some components, such as the analysis of intangible cultural assets, can be performed and discussed in the EIS historical and cultural resources section, as well as the environmental justice section.

Chapter 8, *Historic and Cultural Resources*, addresses the potential environmental impacts of NHTSA's Proposed Action and alternatives on historic and cultural resources. This chapter provides an overview of Federal historic preservation laws including NHPA and NAGPRA, among others. The chapter also discusses impacts to intangible cultural assets including sacred sites or objects that are of importance to Native American tribes. NHTSA addresses its obligations under Section 106 of NHPA in Section VIII.D.3 of the preamble to the proposed rule.

B.2.3.7 Other Environmental Impacts

Two commenters—PA DOT and the Aluminum Association—addressed other environmental impacts of NHTSA's Proposed Action. PA DOT commented that they face challenges in understanding the financial, operation, and environmental impacts on EV and hybrid vehicles as they relate to crashes and failures. They also stated that there have been EV and autonomous vehicle impacts that have resulted in responders learning new processes and procedures for when failures to these types of vehicles occur. PA DOT and the Aluminum Association requested that NHTSA consider impacts related to crashes and failures for EVs. PA DOT expressed concern about potential impacts resulting from EV chargers, including buried electrical networks that need to be upgraded and expanded, which may cause additional damage to highways.

NHTSA has reviewed and considered these comments in the development of the EIS. As explained in Chapter 2, *Proposed Action and Alternatives and Analysis Methods*, NHTSA's analysis of the potential safety impacts on human health of the Proposed Action and alternatives is found in the NPRM and PRIA rulemaking documents. NHTSA addresses the potential safety-related impacts of the Proposed Action and alternatives in Section II.H of the NPRM preamble.

B.2.4 Mitigation

The Mille Lacs Band of Ojibwe asserted that the EIS should include clear guidance to minimize or mitigate the impacts of mining and energy extraction on Native American tribes and Indigenous communities.

NHTSA has reviewed and considered these comments in the development of this EIS. The CEQ regulations implementing NEPA require NHTSA to include in an EIS a discussion of appropriate mitigation measures. Chapter 9, *Mitigation*, of the EIS discusses mitigation measures for impacts related to NHTSA's action of setting CAFE and HDPUV FE standards. As noted in Chapter 9, NHTSA does not have jurisdiction to regulate any increased mining activity that may indirectly result from NHTSA's proposed action, such as an increased demand for minerals required for EV battery manufacture.

B.2.5 Other Rulemaking Issues

Several commenters expressed views about the MY 2027 and beyond CAFE standards and MY 2029 and beyond HDPUV FE standards that did not relate to the analysis of environmental impacts of those standards in the EIS. NHTSA has carefully considered these comments in developing its proposal. Issues raised by these commenters are addressed in NHTSA's NPRM, PRIA, and TSD.

Multiple commenters, including the Environmental Law & Policy Center, the Oakland City Attorney, ZETA, Hyundai, Tesla, and PA DOT, generally stated that CAFE and FE standards should help improve human health, provide environmental justice benefits, reduce GHG emissions, increase fuel savings, and facilitate fleet electrification.

Tesla encouraged NHTSA to set the standards at a level of stringency that would result in vehicle deployment that substantially exceeds the 50 percent EV sales by 2030 goal established in E.O. 14037. Rivian generally supported setting new standards, but the commenter urged NHTSA to take a new approach to standard setting to reflect current electrification trends in the industry. The commenter asserted that the FE standards for HDPUVs are not necessarily subject to the same statutory constraints as the CAFE standards. Additionally, the commenter stated that NHTSA should fully account for electrification in the HDPUV market when setting FE standards, while considering recently enacted Federal legislation meant to incentivize EV adoption. Rivian and ZETA argued that standards should be set as a multi-attribute function, with either the market share of ZEVs as a second attribute or a three-dimensional, multi-attribute function of both vehicle footprint and work share. ZETA reasoned that more stringent standards would incentivize manufacturers to produce more EVs instead of increasing the fuel efficiency of ICE vehicles.

The Aluminum Association supported the continued use of a footprint-based standard and asserted that such standards incentivize automakers to focus on fuel efficiency and emissions improvements across all vehicle classes through greater use of lighter, yet stronger materials.

Cummins suggested that the standards should be performance based, fuel neutral, and technology neutral, with no technology mandates, to allow manufacturers to innovate across a broad range of technologies to meet customers' needs. The commenter added that the FE standards should continue to consider a work factor attribute that considers payload capacity, towing capacity, and four-wheel-drive capability.

American Petroleum Institute suggested the use of a performance-based, fuel-neutral, and technology-neutral analytical system that links standards for carbon intensity of motor fuel with the requirements for new vehicle fuel economy to ensure consistent accounting across all fuel and vehicle technology options.

PA DOT commented on the need to consider other aspects of standard setting, including infrastructure upgrades to accommodate increased EV usage, effects on other transportation initiatives such as Moving Ahead for Progress in the 21st Century (MAP-21) performance measures and the Congestion Management Process, and the increased cost to purchase equipment.

Sierra Club and Earthjustice supported the use of a footprint-based attribute curve but criticized the use of separate curves for passenger cars and light trucks. The commenter reasoned that this delineation incentivizes the sale of more light trucks and has contributed to the automobile fleet including more inefficient light trucks than passenger cars. They recommended that NHTSA include a backstop

minimum standard to address this issue or at least model the impact of a mix shift backstop, stating that doing so will become increasingly important as EVs become more common.

Hyundai suggested that NHTSA consider the impacts on manufacturers, U.S. manufacturing, and customers if it is not practicable for the industry to reach production plans within the planned timeframes or under future proposed standards. The commenter encouraged NHTSA to include flexibilities and consider supply chain challenges and disruptions the industry faces when considering the range of alternatives and evaluating impacts.

B.2.5.1 Technological and Economic Assumptions

Technological Assumptions

Two submissions addressed the technological assumptions used in NHTSA's CAFE Compliance Model (CAFE Model). For technology feasibility, Tesla suggested that NHTSA consider all technologies that are capable of being implemented in the relevant model years under consideration instead of limiting its consideration to technologies that are currently in commercial use. Further, the commenter recommended including an evaluation of advanced vehicle technologies, including potential levels of ZEV deployment resulting from any proposed alternative. Additionally, Tesla said that NHTSA should recognize that the increased ZEV adoption means that ICE vehicle sales have already peaked globally and are now declining.

The Sierra Club and Earthjustice commented that the U.S. Department of Energy (DOE) has not updated the petroleum equivalency factor for EVs since 2000, despite a statutory obligation to do so. If no new factor is available at the time of modeling, the commenter recommended that NHTSA should model the removal of a fuel content multiplier. The commenter stated that the fuel content multiplier is a factor without statutory support that can, in one example, increase the imputed fuel economy of a vehicle from 48 miles per gallon to 322 miles per gallon.

DOE published an NPRM on April 11, 2023, to revise its regulations regarding procedures for calculating a value for the petroleum-equivalent fuel economy of EVs for use in the CAFE program.⁶ Technological and economic assumptions, including the petroleum equivalency factor, that NHTSA is using in developing its proposed CAFE standards are addressed in Section II.C of the NPRM and Chapter 9.2.5.4 of the PRIA.

EV Sales

Three submissions addressed the economic assumptions surrounding projected EV sales that are included in NHTSA's CAFE Model. Rivian recommended that NHTSA reconsider its customer valuation of fuel economy technologies in terms of increased EV sales because, the commenter stated, consumers usually undervalue the accrued lifetime fuel savings. Further, they suggested that NHTSA conduct a new review of consumer behavior and valuation trends.

ZETA provided research stating that passenger EV sales will continue to increase. They also cited many analyses the commenter asserted show that EVs typically cost less over their lifetime and retain their

⁶ Petroleum-Equivalent Fuel Economy Calculation; Notice of Proposed Rulemaking; Request for Comment, 88 FR 21525 (Apr. 11, 2023).

value longer despite a higher sticker price than gas-powered vehicles. Further, they stated that the lifetime cost of HD EVs is frequently lower than their gas-powered counterparts.

The Sierra Club and Earthjustice stated that NHTSA modeling must account for the IRA and IIJA in assessing maximum feasible standards. The commenter described several provisions of IRA and IIJA as facilitating the sale of EVs and provided a citation indicating that the IRA will reduce petroleum consumption by 13 percent by 2030.

In developing its regulatory baseline, NHTSA's CAFE and HDPUV No-Action Alternatives account for incentives included in the IIJA and IRA. Unlike other technologies in the analysis, Congress placed specific limitations on how NHTSA considers EV fuel economy when setting CAFE standards.⁷ For the EIS analysis, NHTSA does consider manufacturers building EVs in response to the standards in order for NHTSA to consider the actual environmental impacts of the action in the decision-making process.⁸ NHTSA discusses maximum feasible standards in the proposed rule preamble, Section IV.

B.2.5.2 Upstream Emissions

The Sierra Club and Earthjustice recommended that NHTSA rely on updated emissions data for the electric grid and stated that commenters have, in the past, opposed NHTSA's use of old emissions data. Sierra Club and Earthjustice stated that inputs to the calculation—including the electrical energy efficiency of vehicles and the national average electricity generation and transmission efficiencies—are significantly out of date and in need of updating due to changes that have occurred in both vehicles and the national electric generation and transmission facilities during the past 22 years. Because of recent legislation, the commenter urged NHTSA to utilize projected improvements in grid emissions from U.S. Energy Information Administration's Annual Energy Outlook 2022 and DOE.

NHTSA's analysis includes electricity emission factors from AEO 2022. For more information, see Chapter 5 of the TSD.

B.2.5.3 Compliance

Two commenters addressed the incentive and compliance flexibility components of NHTSA's standards. Hyundai warned of supply chain and raw mineral constraints limiting production and technological progress in the automotive industry, which the commenter said may limit compliance with the standards and require a greater need for flexibilities. Hyundai urged NHTSA to consider developing an optional program that provides credits or flexibilities to manufacturers who target higher fuel economy vehicle distribution in environmental justice communities, and suggested that such a program could be structured similarly to the current off-cycle credit program.

Sierra Club and Earthjustice opposed incentives for hybrid full-size pickup trucks on top of benefits offered by mild and strong hybrid technologies, asserting that these incentives have no real-world fuel economy benefits. They commented that manufacturers will produce electric and hybrid trucks even absent this incentive and urged NHTSA to model a scenario where these incentives are discontinued. Sierra Club and Earthjustice also opposed NHTSA increasing the cap of off-cycle credits to 15 gallons per

⁷ 49 U.S.C. 32902(h)(1), (2). In determining maximum feasible fuel economy levels, "the Secretary of Transportation—(1) may not consider the fuel economy of dedicated automobiles; [and] (2) shall consider dual fueled automobiles to be operated only on gasoline or diesel fuel."

^{8 40} CFR 1500.1(a).

mile, stating that there is not sufficient data to support these credits and that emissions benefits are likely less than the sum of individual menu technologies. The commenter recommended that the program be restructured to provide guardrails and require manufacturers to provide comprehensive data to support real-world benefits of credit requests.

NHTSA considered these comments in the development of the proposal. These topics are discussed in Section VI of NHTSA's NPRM preamble.

B.2.6 Other Comments

PA DOT expressed concern that any decrease in fuel consumption caused by NHTSA's action would cause fuel tax revenue decreases that would affect transportation funding. This commenter suggested that alternate transportation funding scenarios need to be considered as NHTSA's rulemaking moves forward.

An individual commenter suggested that NHTSA and EPA should ban all new ICE LD vehicles by 2035, citing Washington State, Canada, United Kingdom, Ireland, and European Union commitments to phase out ICE vehicles. The commenter also stated that, because of GHG impacts, biofuel must be banned, along with ICE vehicles generally and hybrid EVs. Furthermore, the commenter stated that ICE vehicles must be banned by 2038 in order to meet net-neutral emissions goals by 2050.

NHTSA discusses what factors it can consider in accordance with statutory responsibilities in the proposed rule preamble, Section IV.

APPENDIX C

Air Quality

APPENDIX C AIR QUALITY

C.1 Introduction

This appendix summarizes the criteria pollutants, toxics, vehicle standards, and conformity regulations that inform the affected environment for Chapter 4, *Air Quality*. Section C.2, *Health Effects of Criteria Pollutants*, Section C.3, *Health Effects of Mobile Source Air Toxics*, and Section C.4, *Vehicle Emissions Standards*, describe the environment and resource areas, including human health impacts, that are affected by NHTSA's CAFE standards for MY 2027–2032 passenger cars and light trucks and fuel efficiency (FE) standards for MY 2030–2035 heavy-duty pickup trucks and vans (HDPUVs). Section C.5, *Methods*, describes the methodology used for assessing air quality impacts. Chapter 2, *Proposed Action and Alternatives and Analysis Methods*, describes the Proposed Action and alternatives used in this analysis for the CAFE and HDPUV FE standards.

C.2 Health Effects of Criteria Pollutants

The following sections describe the health effects of the five criteria pollutants addressed in this EIS analysis. This information is adapted from EPA (2021c). The most recent EPA technical reports and *Federal Register* notices for National Ambient Air Quality Standards (NAAQS) reviews provide more information on the health effects of criteria pollutants (EPA 2020h, 2020i).

C.2.1 Ozone

Ozone is a photochemical oxidant and the major component of smog. Ozone is not emitted directly into the air but is formed through complex chemical reactions among precursor emissions of volatile organic compounds (VOCs) and nitrogen oxides (NO_x) in the presence of the ultraviolet component of sunlight. Ground-level ozone causes health problems because it irritates the mucous membranes, damages lung tissue, reduces lung function, and sensitizes the lungs to other irritants. Ozone-related health effects also include respiratory symptoms and related effects, aggravation of asthma, increased hospital and emergency room visits, and increased asthma medication usage. Exposure to ozone for several hours at relatively low concentrations has been found to substantially reduce lung function and induce respiratory inflammation in normal, healthy people during exercise. There is also evidence that short-term exposure to ozone directly or indirectly contributes to premature and cardiopulmonary-related mortality.

In addition to its human health impacts, ozone has the potential to affect the health of vegetation and ecosystems. Ozone in the atmosphere is absorbed by plants and disturbs the plant's carbon sequestration process, thereby limiting its available energy supply. Consequently, exposed plants can lose their vigor, become more susceptible to disease and other environmental stressors, and demonstrate reduced growth, visual abnormalities, or accelerated aging. According to the EPA Integrated Science Assessment (ISA) for Ozone and Related Photochemical Oxidants (EPA 2020j), ozone affects crops, vegetation, and ecosystems more than any other air pollutant. Ozone can produce both acute and chronic injury in sensitive species, depending on the concentration level, the duration of the exposure, and the plant species under exposure. Because of the differing sensitivities among plants to ozone, ozone pollution can also exert a selective pressure that leads to changes in plant community composition. Given the range of plant sensitivities and the fact that numerous other environmental factors modify plant uptake and response to ozone, it is not possible to identify threshold values above which ozone is consistently toxic for all plants.

VOCs, a chemical precursor to ozone, also can play a role in vegetation damage (National Park Service 2019). For some sensitive plants under exposure, VOCs have been demonstrated to affect seed production, photosynthetic efficiency, leaf water content, seed germination, flowering, and fruit ripening (Pinto et al. 2010). NO_X , the other chemical precursor to ozone, has also been demonstrated to affect vegetation health (Hu et al. 2015; Viskari 2000; Ugrekhelidze et al. 1997; Kammerbauer et al. 1987; see comprehensive discussion in Appendix 3.3 of EPA 2020k). Most of the studies of the impacts of VOCs and NO_X on vegetation have focused on short-term exposure; few studies have focused on long-term impacts and the potential for the metabolites¹ of these compounds to affect herbivores or insects.

C.2.2 Particulate Matter

Particulate matter (PM) is a generic term for a broad class of chemically and physically diverse substances that exist as discrete particles. PM includes dust, dirt, soot, smoke, and liquid droplets directly emitted into the air, as well as particles formed in the atmosphere by condensation or by the transformation of emitted gases such as NO_x, sulfur oxides (SO_x), and VOCs. Fine particles are produced primarily by combustion processes and by these atmospheric transformations of emitted gases. The definition of PM also includes particles composed of elemental carbon (black carbon).² Gasoline-fueled and diesel-fueled vehicles emit PM. In general, the smaller the PM, the deeper it can penetrate into the respiratory system and the more damage it can cause. Depending on its size and composition, PM can damage lung tissue, aggravate existing respiratory and cardiovascular diseases, alter the body's defense systems against foreign materials, and cause cancer and premature death (EPA 2019b). PM with a diameter equal to or less than 2.5 microns (PM2.5) has been associated with risk for several respiratory conditions, including COVID-19 (Pozzer et al. 2020; Wu et al. 2020; Zhou et al. 2021). PM also can contribute to poor visibility by scattering and absorbing light, making the terrain appear hazy. To address visibility concerns, EPA developed the regional haze program, which was put in place in July 1999 to protect visibility in Mandatory Class I Federal Areas (national parks and wilderness areas). EPA has also set secondary NAAQS to regulate non-Class I areas outside the regional haze program. Deposition of PM (especially secondary PM formed from NO_x and SO_x) can damage materials, adding to the effects of natural weathering processes by potentially promoting or accelerating the corrosion of metals, degrading paints, and deteriorating building materials (especially concrete and limestone).

EPA classifies diesel particulate matter (DPM) as a mobile source air toxic (MSAT), so it is addressed in Section C.3.5, *Diesel Particulate Matter*.

¹ Metabolites are formed as the initial compounds break down and are transformed through metabolism.

² Elemental carbon and black carbon are similar forms of fine PM and are considered synonymous for purposes of this analysis. The term *elemental carbon* describes carbonaceous particles based on chemical composition rather than light-absorbing characteristics. The term *black carbon* describes particles of mostly pure carbon that absorb solar radiation at all wavelengths (EPA 2012c). The carbon content of a sample of PM can be described by either term depending on the test method used: typically, the result for a sample tested by thermal or wet chemical methods is termed *elemental carbon* while the result for a sample tested by optical methods is termed *black carbon* (Long et al. 2013).

³ Final Rule: Regional Haze Regulations, 64 FR 35714 (July 1, 1999).

C.2.3 Carbon Monoxide

Carbon monoxide (CO) is a colorless, odorless, poisonous gas produced by incomplete combustion of carbon in fuels. Motor vehicles are the single largest source of CO emissions nationally. When CO enters the bloodstream, it acts as an asphyxiant by reducing the delivery of oxygen to the body's organs and tissues. It can affect the central nervous system and impair the brain's ability to function properly. Health threats are most serious for those who suffer from cardiovascular disease, particularly those with angina or peripheral vascular disease. Epidemiological studies show associations between short-term CO exposure and cardiovascular morbidity, particularly increased emergency room visits and hospital admissions for coronary heart disease. Some epidemiological studies suggest a causal relationship between long-term exposures to CO and developmental effects and adverse health impacts at birth, such as decreased birth weight.

C.2.4 Sulfur Dioxide

Sulfur dioxide (SO_2), one of various oxides of sulfur, is a gas formed from combustion of fuels containing sulfur. Most SO_2 emissions are produced by stationary sources such as power plants. SO_2 is also formed when gasoline is extracted from crude oil in petroleum refineries and in other industrial processes. High concentrations of SO_2 cause severe respiratory distress (difficulty breathing), irritate the upper respiratory tract, and aggravate existing respiratory and cardiovascular disease. The immediate effect of SO_2 on the respiratory system in humans is bronchoconstriction (constriction of the airways). Asthmatics are more sensitive to the effects of SO_2 , likely because of preexisting bronchial inflammation. SO_2 also is a primary contributor to acidic deposition, or acid rain, which causes acidification of lakes and streams and can damage trees, crops, historic buildings, and statues.

C.2.5 Nitrogen Dioxide

Nitrogen dioxide (NO_2), a reddish-brown, highly reactive gas, is one of the oxides of nitrogen formed by high-temperature combustion (as in vehicle engines) of nitrogen and oxygen. Most NO_X created in the combustion reaction consists of nitric oxide (NO), which oxidizes to NO_2 in the atmosphere. NO_2 can irritate the lungs and mucous membranes, aggravate asthma, cause bronchitis and pneumonia, and reduce resistance to respiratory infections. NO_2 has also been linked to other health outcomes, including all-cause (nonaccidental) mortality, hospital admissions or emergency department visits for cardiovascular disease, and reductions in lung function growth associated with chronic exposure. NO_2 from vehicle traffic has been associated with risk for several respiratory conditions, including COVID-19 (Lipsitt et al. 2021). Oxides of nitrogen are an important precursor to ozone and acid rain and can affect terrestrial and aquatic ecosystems.

C.3 Health Effects of Mobile Source Air Toxics

The following sections briefly describe the health effects of the six priority MSATs analyzed in this EIS. This information is adapted from the EPA Regulatory Impact Analysis for the Revised 2023 and Later Model Year Light-Duty Vehicle GHG Emissions Standards (EPA 2021c).

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⁴ Highway motor vehicles overall accounted for approximately 30 percent of national CO emissions in 2021 (EPA 2022g). In 2023, passenger cars and passenger trucks are estimated to account for approximately 86 percent of the CO emissions from highway motor vehicles while HD pickup trucks and vans account for another 11 percent ("onroad_2016fh 2016fj 2023fh 2023fj 2026fj.xlsx" file from EPA 2022h).

Motor vehicle emissions contribute to ambient levels of air toxics known or suspected to be human or animal carcinogens or known to have noncancer health effects. These compounds include, but are not limited to, acetaldehyde, acrolein, benzene, 1,3-butadiene, and formaldehyde. These five air toxics, plus DPM, are the six priority MSATs analyzed in this EIS. Most of these, except for DPM, were identified as national or regional risk drivers or contributors in the EPA 2018 and/or 2019 AirToxScreens and have significant inventory contributions from mobile sources (EPA 2022i). This EIS does not analyze polycyclic organic matter separately, but this matter can occur as a component of DPM and is discussed in Section C.3.5, *Diesel Particulate Matter*. Naphthalene also is not analyzed separately in this EIS, but it is a member of the polycyclic organic matter class of compounds discussed in Section C.3.5, *Diesel Particulate Matter*.

C.3.1 Acetaldehyde

Acetaldehyde is classified in the EPA Integrated Risk Information System (IRIS) database as a probable human carcinogen, based on nasal tumors in rats, and is considered toxic by the inhalation, oral, and intravenous routes (EPA 1998). In its Fifteenth Report on Carcinogens (National Toxicology Program [NTP] 2021a), the U.S. Department of Health and Human Services "reasonably anticipates" acetaldehyde to be a human carcinogen, and the World Health Organization's International Agency for Research on Cancer (IARC) classifies acetaldehyde as possibly carcinogenic to humans (Group 2B) (IARC 1999).

The primary noncancer effects of exposure to acetaldehyde vapors include eye, skin, and respiratory-tract irritation (EPA 1998, 2000b). In short-term (4-week) rat studies, degeneration of olfactory epithelium was observed at various concentration levels of acetaldehyde exposure (National Research Council Committee on Emergency and Continuous Exposure Guidance Levels for Selected Submarine Contaminants 2009). EPA used data from these studies to develop an inhalation reference concentration. Some asthmatics have been shown to be a sensitive subpopulation to decrements in functional expiratory volume and bronchoconstriction upon inhaling acetaldehyde (California Office of Environmental Health Hazard Assessment [OEHHA] 2014).

C.3.2 Acrolein

Acrolein is extremely acrid and is irritating to humans when inhaled, with acute exposure resulting in upper respiratory tract irritation, mucus hypersecretion, and congestion. The intense irritancy of this carbonyl compound has been demonstrated during controlled tests in human subjects, who suffer intolerable eye and nasal mucosal sensory reactions within minutes of exposure (EPA 2003a). The EPA 2003 IRIS human health risk assessment for acrolein (EPA 2003a) summarizes these data and additional studies regarding acute effects of human exposure to acrolein. Evidence from studies in humans indicate that levels as low as 0.09 parts per million (ppm) (0.21 milligram per cubic meter) for 5 minutes can elicit subjective complaints of eye irritation, with increasing concentrations leading to more extensive eye, nose, and respiratory symptoms (OEHHA 2014). Lesions to the lungs and upper respiratory tracts of rats, rabbits, and hamsters have been observed after subchronic exposure to acrolein (OEHHA 2014). Animal studies report acute exposure effects such as bronchial hyperresponsiveness (OEHHA 2014). In a 2017 study, the acute respiratory irritant effects of exposure to 4 ppm acrolein were more pronounced in mice with allergic airway disease compared to nondiseased mice, which also showed decreases in respiratory rate (Snow et al. 2017). Based on these animal data and demonstration of similar effects in humans (e.g., reduction in respiratory rate), individuals with compromised respiratory function (e.g., emphysema and asthma) are expected to be at increased risk of developing adverse responses to strong respiratory irritants such as acrolein.

IARC determined that acrolein was classifiable as "probably carcinogenic" with respect to its carcinogenicity in humans (IARC 2020; Lancet 2021).

C.3.3 Benzene

EPA's IRIS database lists benzene as a known human carcinogen (causing leukemia) by all routes of exposure and concludes that exposure is associated with additional health impacts, including genetic changes in both humans and animals and increased proliferation of bone marrow cells in mice (EPA 2000c; IARC 2018). Data indicate a causal relationship between benzene exposure and acute lymphocytic leukemia and suggest a relationship between benzene exposure and chronic nonlymphocytic leukemia and chronic lymphocytic leukemia. IARC and the U.S. Department of Health and Human Services have characterized benzene as a human carcinogen (IARC 2018; NTP 2021b).

Several adverse noncancer health effects, including blood disorders such as preleukemia and aplastic anemia, have also been associated with long-term exposure to benzene (OEHHA 2014). The most sensitive noncancer effect observed in humans, based on current data, is depression of the absolute lymphocyte count in blood (OEHHA 2014; EPA 2003b). In addition, recent work, including studies sponsored by the Health Effects Institute (HEI), provides evidence that biochemical responses are occurring at lower levels of benzene exposure than previously known (OEHHA 2014).

C.3.4 1,3-Butadiene

EPA has characterized 1,3-butadiene as carcinogenic to humans through inhalation (EPA 2002a, 2002b). IARC has determined that 1,3-butadiene is a probable human carcinogen, and the U.S. Department of Health and Human Services has characterized 1,3-butadiene as a known human carcinogen (IARC 2012; NTP 2021c). Numerous experiments have demonstrated that animals and humans metabolize 1,3-butadiene into compounds that are genotoxic (capable of causing damage to a cell's genetic material such as deoxyribonucleic acid [DNA]). The specific mechanisms of 1,3-butadiene-induced carcinogenesis are not known; however, scientific evidence strongly suggests that the carcinogenic effects are mediated by genotoxic metabolites. Animal data suggest that females could be more sensitive than males to cancer effects associated with 1,3-butadiene exposure. There are insufficient data on humans from which to draw conclusions about sensitive subpopulations. 1,3-butadiene also causes a variety of reproductive and developmental effects in mice; there are no available human data on these effects. The most sensitive effect was ovarian atrophy observed in a lifetime bioassay of female mice (EPA 2002b).

C.3.5 Diesel Particulate Matter

Diesel exhaust consists of a complex mixture of carbon dioxide (CO_2) , oxygen, nitrogen, water vapor, CO, nitrogen compounds, sulfur compounds, and numerous low-molecular-weight hydrocarbons. A number of these gaseous hydrocarbon components are individually known to be toxic, including aldehydes, benzene, and 1,3-butadiene. The DPM present in diesel exhaust consists mostly of fine particles (smaller than 2.5 microns), of which a significant fraction is ultrafine particles (smaller than 0.1 micron). These particles have a large surface area, which makes them an excellent medium for adsorbing organics, and their small size makes them highly respirable. Many of the organic compounds present in the gases and on the particles, such as polycyclic organic matter, are individually known to have mutagenic and carcinogenic properties.

DPM also includes elemental carbon (black carbon) particles emitted from diesel engines. EPA has not provided a special status, such as a NAAQS or other health-protective measure, for black carbon, but addresses black carbon in terms of PM2.5 and DPM emissions.

Diesel exhaust varies significantly in chemical composition and particle sizes between different engine types (HD, light-duty [LD]), engine operating conditions (idle, acceleration, deceleration), and fuel formulations (high-/low-sulfur fuel). Also, there are emissions differences between on-road and nonroad engines because the nonroad engines are generally older technology. After being emitted from the engine exhaust, diesel exhaust undergoes dilution, as well as chemical and physical changes in the atmosphere. The lifetime for some of the compounds present in diesel exhaust ranges from hours to days.

In EPA's 2002 *Diesel Health Assessment Document* (Diesel HAD) (EPA 2002c), exposure to diesel exhaust was classified as likely to be carcinogenic to humans by inhalation from environmental exposures, in accordance with the revised draft 1996 to 1999 EPA cancer guidelines (EPA 1999). EPA published a review of diesel exhaust health effects in 2007 (Ris 2007). The assessment concluded that long-term inhalation exposure is likely to pose a lung cancer hazard to humans as inferred from epidemiologic and certain animal studies. A number of other agencies (National Institute for Occupational Safety and Health, IARC, World Health Organization, California EPA, and U.S. Department of Health and Human Services) have made similar hazard classifications.

Noncancer health effects of acute and chronic exposure to diesel exhaust emissions are also of concern. EPA derived a diesel exhaust reference concentration from consideration of four well-conducted chronic rat inhalation studies showing adverse pulmonary effects. The reference concentration is 5 micrograms per cubic meter (μg/m³) for diesel exhaust measured as DPM. This reference concentration does not consider allergenic effects such as those associated with asthma or immunologic effects or the potential for cardiac effects. There was emerging evidence in 2002, discussed in the Diesel HAD, that exposure to diesel exhaust can exacerbate these effects, but the exposure-response data were lacking at that time to derive a reference concentration based on these then-emerging considerations. The EPA Diesel HAD states, "With [DPM] being a ubiquitous component of ambient PM, there is an uncertainty about the adequacy of the existing [diesel exhaust] non-cancer database to identify all of the pertinent [diesel exhaust]-caused non-cancer health hazards." The Diesel HAD also notes "that acute exposure to [diesel exhaust] has been associated with irritation of the eye, nose, and throat, respiratory symptoms (cough and phlegm), and neurophysiological symptoms such as headache, lightheadedness, nausea, vomiting, and numbness or tingling of the extremities." The Diesel HAD notes that the cancer and noncancer hazard conclusions applied to the general use of diesel engines then on the market and, as cleaner engines replace a substantial number of existing ones, the applicability of the conclusions would need to be reevaluated.

The Diesel HAD also briefly summarizes health effects associated with ambient PM and discusses EPA's then-annual PM2.5 NAAQS of 15 $\mu g/m^3$. In 2012, EPA revised the annual PM2.5 NAAQS to 12 $\mu g/m^3$. There is a large and extensive body of human data showing a wide spectrum of adverse health impacts associated with exposure to ambient PM, of which diesel exhaust is an important component. The PM2.5 NAAQS is designed to provide protection from the noncancer health effects and premature mortality attributed to exposure to PM2.5. The contribution of diesel PM to total ambient PM varies in different regions of the country, within a region, and from one area to another. The contribution can be high in near-roadway environments, for example, or in other locations where diesel engine use is concentrated.

Since 2002, several new studies have continued to report increased lung cancer risk with occupational exposure to diesel exhaust from older engines. Of particular note since 2011, three new epidemiology studies have examined lung cancer in occupational populations; for example, in truck drivers, underground nonmetal miners, and other diesel-engine-related occupations (HEI 2015; Olsson et al. 2011). These studies reported increased risk of lung cancer with exposure to diesel exhaust with evidence of positive exposure-response relationships to varying degrees. These newer studies—along with others that have appeared in the scientific literature (e.g., Kim et al. 2018; Ilar et al. 2017)—add to the evidence EPA evaluated in the 2002 Diesel HAD and further reinforce the concern that diesel exhaust exposure likely poses a lung cancer hazard. The findings from these newer studies do not necessarily apply to newer technology diesel engines because the newer engines have large reductions in the emissions constituents compared to older-technology diesel engines.

In light of the growing body of scientific literature evaluating the health effects of exposure to diesel exhaust, in June 2012, IARC, a recognized international authority on the carcinogenic potential of chemicals and other agents, evaluated the full range of cancer-related health effects data for dieselengine exhaust. IARC concluded that diesel exhaust should be regarded as "carcinogenic to humans" (IARC 2014; Silverman 2018). This designation was an update from its 1988 evaluation, which considered the evidence indicative of a "probable human carcinogen."

C.3.6 Formaldehyde

In 1991, EPA concluded that formaldehyde is a carcinogen based on nasal tumors in animal bioassays (EPA 1991). EPA developed an inhalation unit risk for cancer and a reference dose for oral noncancer effects and posted them in the IRIS database. Since that time, NTP and IARC have concluded that formaldehyde is a known human carcinogen (NTP 2021d; IARC 2012).

The conclusions by IARC and NTP reflect the results of epidemiologic research published since 1991, in combination with previous animal, human, and mechanistic evidence. Research by the National Cancer Institute reported an increased risk of nasopharyngeal (nose and throat) cancer and specific lymphohematopoietic (lymph and blood) malignancies among workers exposed to formaldehyde (National Cancer Institute 2011). A National Institute of Occupational Safety and Health study of garment workers also reported increased risk of death due to leukemia among workers exposed to formaldehyde. Extended follow-up of a cohort of British chemical workers did not report evidence of an increase in nasopharyngeal or lymphohematopoietic cancers, but a continuing statistically significant excess in lung cancers was reported (Checkoway et al. 2015). Workers exposed to formaldehyde in pathology laboratories have been observed to experience increased genetic damage and alterations to various lymphocytes (Costa et al. 2019). Finally, a study of embalmers reported formaldehyde exposures to be associated with an increased risk of myeloid (bone marrow cell) leukemia but not brain cancer (Hauptmann et al. 2009).

Other health effects of formaldehyde were reviewed by the Agency for Toxics Substances and Disease Registry (ATSDR) in 1999 (ATSDR 1999) and supplemented in 2010 (ATSDR 2010), by the NTP (NIH 2011), and by the World Health Organization (World Health Organization 2002). These organizations reviewed the literature concerning effects on the eyes and respiratory system, the primary point of contact for inhaled formaldehyde, including sensory irritation of eyes, and respiratory tract, pulmonary function, nasal histopathology, and immune system effects. In addition, research on reproductive and developmental effects and neurological effects were discussed along with several studies that suggest formaldehyde may increase the risk of asthma, particularly in young people. EPA released a draft

Toxicological Review of Formaldehyde Inhalation Assessment through the IRIS program for peer review by the National Research Council (NRC) and public comment in June 2010 (EPA 2010d). The draft assessment reviewed more recent research from animal and human studies on cancer and other health effects. The NRC released their review report in April 2011 (NRC 2011a). EPA's draft assessment, which addresses NRC recommendations, was suspended in 2018. The draft assessment was resumed in March 2021 (EPA 2021f). In April 2022, EPA publicly released the draft formaldehyde assessment for review and comment, and the assessment is currently undergoing an independent external scientific peer review (EPA 2022I).

C.4 Vehicle Emissions Standards

EPA and the California Air Resources Board (CARB) have established criteria pollutant emissions standards for vehicles under the Federal Clean Air Act (CAA). EPA and CARB have tightened these emissions standards over time as more effective emissions-control technologies have become available.⁵ These stricter standards for LD vehicles (i.e., passenger cars and light trucks) and for HD vehicles are responsible for the declines in total criteria pollutant emissions from motor vehicles, as discussed in Chapter 4, Section 4.1.1, Relevant Pollutants and Standards. The EPA Tier 2 Vehicle & Gasoline Sulfur Program, which went into effect in 2004, established the CAA emissions standards that applied to MY 2004–2016 passenger cars and light trucks (EPA 2000d). Under the Tier 2 standards, manufacturers of passenger cars and light trucks were required to meet stricter vehicle emissions limits than under the previous Tier 1 standards. By 2006, U.S. refiners and importers of gasoline were required under the Tier 2 standards to manufacture gasoline with an average sulfur level of 30 ppm, a 90 percent reduction from earlier sulfur levels. These fuels enable post-MY 2006 vehicles to use emissions-control technologies that reduce tailpipe emissions of NO_X by 77 percent for passenger cars and by as much as 95 percent for pickup trucks, vans, and sport utility vehicles compared to 2003 levels. On April 28, 2014, EPA issued a Final Rule establishing Tier 3 motor vehicle emissions and fuel standards. ⁶ The Tier 3 vehicle standards reduce both tailpipe and evaporative emissions from passenger cars, LD trucks, medium-duty passenger vehicles, and HDPUVs. Starting in 2017, Tier 3 sets new vehicle emissions standards and lowers the sulfur content of gasoline to 10 ppm, considering the vehicle and its fuel as an integrated system. The Tier 3 program phases out the Tier 2 vehicle emissions standards and replaces them with Tier 3 standards, which are being phased in over MYs 2017–2025 and will remain constant thereafter at the MY 2025 levels. The Tier 3 program will require emissions reductions from new passenger cars and light trucks of approximately 80 percent for NO_x and VOCs, 70 percent for PM, and 67 percent for SO₂. The Tier 3 gasoline sulfur standard will make emissions-control systems more effective for both existing and new vehicles and will enable more stringent vehicle emissions standards

⁵ CAA Section 177 (42 U.S.C. 7507) gives states the option to adopt California's emissions standards provided they are more stringent than the corresponding Federal standards; states that have done so sometimes are referred to as Section 177 states. In addition to California and Section 177 states' GHG emissions standards, discussed in Appendix E, Section E.4.2.4.3, *Other Past, Present, and Reasonably Foreseeable Future Actions, United States: Regional and State Actions, California* and Section 177 states have enacted more stringent criteria pollutant emissions standards for vehicles under the CAA. California's regulation of criteria pollutant emissions from motor vehicles dates back to the 1970s and was the precursor to Congress' grant of authority to California to regulate in Section 209 of the CAA, and to other states in Section 177 of the CAA.

⁶ Control of Air Pollution from Motor Vehicles: Tier 3 Motor Vehicle Emission and Fuel Standards; Final Rule, 79 FR 23414 (April 28, 2014).

(EPA 2014d). EPA proposed Tier 4 criteria pollutant standards for MY 2027–2032 LD vehicles and HDPUVs in its recently published notice of proposed rulemaking.⁷

Figure C.4-1 illustrates current trends in travel and emissions from highway vehicles, not accounting for the impacts of the Proposed Action and alternatives (Chapter 4, Section 4.2, *Environmental Consequences*). Since 1970, aggregate emissions traditionally associated with vehicles have decreased substantially even as vehicle miles traveled (VMT) increased by approximately 173 percent from 1970 to 2014, as shown in Figure C.4-1. For example, NO_x emissions, due mainly to light trucks and HD vehicles, decreased by 71 percent between 1970 and 2016, despite increases in VMT (EPA 2016c). More recent trends show that changes in VMT are having a smaller and smaller impact on emissions because of stricter EPA standards for vehicle emissions and the chemical composition of fuels, even with additional growth in VMT (Smith 2002). This general trend will continue, to a certain extent, under any of the action alternatives. MSAT emissions will likely decrease in the future because of a 2007 EPA rule (EPA 2007). This rule limited the benzene content of gasoline beginning in 2011. It also limited exhaust emissions of hydrocarbons (many VOCs and MSATs are hydrocarbons) from passenger cars and light trucks when they are operated at cold temperatures. The cold-temperature standard was phased in from 2010 through 2015. EPA projected that these controls will substantially reduce emissions of acetaldehyde, acrolein, benzene, 1,3-butadiene, and formaldehyde.

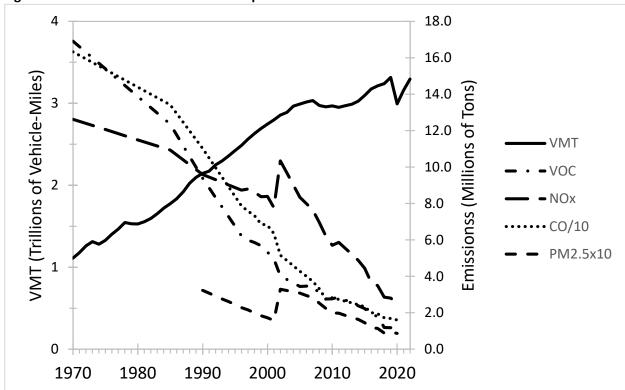


Figure C.4-1. Vehicle Miles Traveled Compared to Vehicle Emissions^{a,b,c}

Notes:

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^a Because CO emissions are about 10 times higher than emissions of NO_X , SO_X , and VOCs and emissions of PM2.5 are about 10 times lower than emissions of NO_X , SO_X , and VOCs, the scales for CO and PM2.5 are proportionally adjusted to enable comparison of trends among pollutants.

⁷ Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles; Proposed Rule, 88 FR 29184 (May 5, 2023).

Sources: Davis and Boundy 2022; EPA 2022g

VMT = vehicle miles traveled; VOC = volatile organic compound; NO_X = nitrogen oxides; CO = carbon monoxide;

PM2.5 = particulate matter 2.5 microns or less in diameter; SO_X = sulfur oxides

C.5 Methods

This section describes the approaches and methods used to estimate the impacts of the Proposed Action and alternatives in the EIS.

C.5.1 Overview

NHTSA uses the CAFE Compliance and Effects Modeling System (the CAFE Model) to estimate manufacturers' potential responses to new CAFE, CO₂, and HDPUV FE standards and to estimate various impacts of those responses. DOT's Volpe National Transportation Systems Center develops, maintains, and applies the model for NHTSA. The basic design of the CAFE Model is as follows: the system first estimates how vehicle manufacturers might respond to a given regulatory scenario, and from that potential compliance solution, the system estimates what impact that response will have on fuel consumption, emissions, and economic externalities. NHTSA also uses EPA's Motor Vehicle Emissions Simulator (MOVES) model to estimate "downstream" (tailpipe exhaust) emission factors, and uses Argonne National Laboratory's Greenhouse gases, Regulated Emissions, and Energy use in Transportation (GREET) model to estimate emissions rates from fuel production and distribution processes ("upstream emissions").

To analyze air quality and human health impacts, NHTSA used the CAFE Model to calculate the emissions of criteria pollutants and MSATs from passenger cars and light trucks that would occur under each CAFE standard alternative. Similarly, NHTSA calculated the emissions of criteria pollutants and MSATs from HDPUVs that would occur under each FE standard alternative. NHTSA then estimated the resulting changes in emissions under each action alternative by comparing emissions under that alternative to those under the relevant No-Action Alternative. The resulting changes in air quality and impacts on human health were assumed to be proportional to the changes in emissions projected to occur under each CAFE standard and HDPUV FE standard action alternative.

The air quality analysis accounted for manufacturers' projected responses to CAFE, HDPUV FE, and CO₂ standards (including agreements some manufacturers have reached with California for MYs 2021–2026), zero-emission vehicle mandates in place in California and most Section 177 states, ⁸ and NHTSA's estimates of future fuel prices, market demand for fuel economy, and the cost and efficacy of fuel-saving technologies. The analysis also accounted for market responses, including demand for new LD vehicles and HDPUVs, scrappage of used LD vehicles and HDPUVs, and demand for travel (i.e., VMT), accounting for the rebound effect. The resultant change in emissions under each CAFE and HDPUV alternative would be the sum of the following components.

 Decreases in upstream emissions that result from decreases in gasoline consumption and, therefore, lower volumes of fuel production and distribution.

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 $^{^{\}rm b}$ Apparent increases in NO_X and PM2.5 emissions in 2002 are due to a change in methods made by EPA in 2012 from the MOBILE6.2 model to the MOVES model to calculate emissions for years 2002 and later (EPA 2013d).

^c The decrease in VMT in 2020 reflects the decreased amount of driving during the COVID-19 pandemic.

⁸ Section 177 states refers to the states that have adopted California's criteria pollutant and GHG emissions regulations under Section 177 of the CAA (42 U.S.C. 7507).

- Increases in upstream emissions that result from increases in electricity generation to power plug-in hybrid electric vehicles (PHEVs) and battery electric vehicles (BEVs).
- Increases in per-vehicle tailpipe emissions resulting from slight shifts in passenger car sales toward light trucks (because improving fuel economy produces larger fuel savings for light trucks than for passenger cars, and criteria pollutant and air toxic per-mile emission rates for light trucks are projected to remain higher than for passenger cars) and slightly greater reliance on older vehicles (which have higher per-mile emission rates than newer vehicles).
- Increases in emissions resulting from increased VMT due to the rebound effect.
- Decreases in downstream emissions resulting from increases in sales and use of PHEVs and BEVs.

As discussed in Chapter 2, *Proposed Action and Alternatives and Analysis Methods*, the air quality results presented in Chapter 4, *Air Quality*, including impacts on human health, are based on assumptions about the type and rate of emissions from the combustion of fossil fuels. In addition to tailpipe estimates from the Motor Vehicle Emission Simulator (MOVES3), this analysis accounts for upstream emissions from the extraction, production, and distribution of fuels, including contributions from the power plants that generate the electricity used to recharge electric vehicles (EVs) and from the production of the fuel burned in those power plants. Emissions and other environmental impacts from electricity production depend on the efficiency of the power plant and the mix of fuel sources used, sometimes referred to as the *grid mix*. In the United States, the current (2020) grid mix is composed of natural gas, coal, nuclear, hydroelectric, wind, other renewable energy sources, and oil. The largest sources of electricity are from natural gas (38 percent), followed by renewables (22 percent), nuclear (20 percent), and coal (19 percent) (EIA 2022k).

To estimate upstream emissions changes resulting from changes in downstream fuel consumption, the analysis uses emissions factors from the Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation (GREET) model (version 2022 developed by the U.S. Department of Energy, Argonne National Laboratory). Upstream emission factors for gasoline, diesel, flex fuel (E85), and electricity in grams per million British thermal units (MMBtu) were taken from the GREET model in 5-year increments beginning in 2020 and ending in 2050. NHTSA developed upstream emissions factors for air toxics that are consistent with EPA's National Emission Inventory and emissions factors from the MOVES3 model (EPA 2022a). A spreadsheet model was developed to adjust upstream emissions factors to account for the imported share of petroleum.

The analysis presented throughout this EIS assumes that the future EV fleet would charge from a grid whose mix is uniform across the country. As with gasoline, diesel, and E85, emissions factors for electricity were calculated in 5-year increments from 2020 to 2050 in GREET to account for projected changes in the national grid mix. The GREET model contains information on the intensities (amount of pollutant emitted per unit of electrical energy generated) that extend to 2050. To project the U.S. average electricity-generating fuel mix, this rulemaking uses the Annual Energy Outlook 2022 forecast from the National Energy Modeling System, an energy-economy modeling system from the U.S. Department of Energy.¹⁰

 10 The Annual Energy Outlook is the annual energy consumption forecast produced by the U.S. Energy Information Administration.

⁹ EPA's MOVES model, described in Chapter 2, Section 2.5.1, *Downstream Emissions*, estimates emissions based on a variety of inputs, including vehicle type and age, fuel type and quality, operating conditions, and vehicle characteristics.

C.5.2 Regional Analysis

Over the course of the development of recent CAFE EISs (NHTSA 2010, 2012, 2020, 2022) and the medium- and heavy-duty FE standards Phase 1 and 2 EISs (NHTSA 2011, 2016b), NHTSA received comments requesting that the agency consider the regional air quality impacts of these programs. NHTSA has included the following information about regional air quality impacts of the Proposed Action and alternatives in response to such comments and because the agency believes that such an analysis provides valuable information for the decision-maker, state and local authorities, and the public. Performing this analysis does not affect the agency's conclusion that a general conformity determination is not required. While a truly local analysis (i.e., at the individual roadway level) is impractical for a nationwide EIS, NHTSA believes a regional emissions analysis still provides valuable information and is feasible for the scope of this analysis.

To assess regional differences in the impacts of the alternatives, NHTSA estimated net emissions changes for individual nonattainment and maintenance areas. The distribution of emissions is not uniform nationwide, and either increases or decreases in emissions can occur within individual nonattainment and maintenance areas. NHTSA focused on nonattainment and maintenance areas because air quality problems have been the greatest in these areas. NHTSA's assessment emphasized areas that are in nonattainment or maintenance for ozone or PM2.5 because these are the criteria pollutant emissions from LD vehicles and HDPUVs that are of greatest concern to human health. At present, there are no CO or NO₂ nonattainment areas. There are many areas designated as being in nonattainment for SO₂ or PM 10 microns or less in diameter (PM10). There are also maintenance areas for CO, NO₂, PM10, and SO₂. NHTSA did not quantify PM10 emissions separately from PM2.5 because almost all the PM in the exhaust from LD vehicles and HDPUVs is PM2.5. Appendix D, Air Quality Modelling and Health Impacts Assessment, provides emissions estimates for all nonattainment and maintenance areas for all criteria pollutants (except lead, as explained in Chapter 4, Section 4.1.1, Relevant Pollutants and Standards). On-road motor vehicles are a minor contributor to SO₂ emissions (less than 0.5 percent of national emissions, as noted above) (EPA 2020b) and are unlikely to affect the attainment status of SO₂ nonattainment and maintenance areas.

NHTSA's emissions analysis is national and regional but does not attempt to address the specific geographic locations of changes in emissions within nonattainment and maintenance areas. For example, there is limited evidence that EV use is disproportionately greater in areas with the worst traffic congestion (Section 8.3.3.3 of NHTSA 2020). Because hybrid EVs and PHEVs have lower tailpipe emissions compared to conventionally fueled vehicles, and BEVs have no tailpipe emissions, greater EV use in these areas could suggest that tailpipe emissions in urban nonattainment areas would be less than the analysis estimates. However, because of the complication and uncertainties associated with these local variations, NHTSA's emissions analysis does not assume any variation by vehicle type or fuel in the geographic distribution of VMT. In addition, EV charging location and time affects emissions from power plants by changing the demand for electricity in the region where charging occurs, for the duration of charging (Section 3.2.2.2, *Region-Specific Electricity Grid Impacts*). NHTSA's emissions analysis does not assume any variation in EV charging by location or time.

Emissions changes due to the rebound effect would occur from LD vehicles and HDPUVs operating on entire regional roadway networks; any emissions changes due to the rebound effect would be distributed throughout a region's entire road network and at any specific location would be uniformly proportional to VMT changes at that location. At any one location within a regional network, the resulting change in emissions would be small compared to total emissions from all sources surrounding

that location (including existing emissions from traffic already using the road), so the localized impacts of the Proposed Action and alternatives on ambient concentrations and health impacts should also be small. The nationwide aggregated consequences of such small near-source impacts on ambient pollutant concentrations and health might be larger but are not feasible to quantify.

C.5.3 Analysis Periods

Ground-level concentrations of criteria and toxic air pollutants generally respond quickly to changes in emissions rates. The longest averaging period for measuring whether ambient concentrations of a pollutant comply with the NAAQS is 1 year. This air quality analysis considers emissions that would occur over annual periods, consistent with the NAAQS. To evaluate impacts on air quality, specific years must be selected for which emissions are estimated and impacts on air quality are calculated.

NHTSA selected calendar years that are meaningful for the timing of likely effects of the alternatives, as follows.

- 2035: A near-term forecast year for passenger cars, light trucks, and HDPUVs; by 2035
 manufacturers could be 3 years beyond a full response (MY 2032) to new CAFE standards and in the
 process of responding to the new FE standards for HDPUVs, with vehicles produced in MYs 2027 and
 beyond accounting for much of the on-road fleet's VMT.
- **2050:** A long-term forecast year; by 2050, vehicles produced in MYs 2027 and beyond will account for almost all of the on-road fleet's VMT, such that changes in year-over-year impacts would be determined primarily by VMT growth.

C.5.4 Incomplete or Unavailable Information

Where information in this analysis is incomplete or unavailable, NHTSA relies on CEQ regulations regarding incomplete or unavailable information. As noted throughout this methods section, the estimates of emissions rely on models and forecasts that contain numerous assumptions and data that are uncertain. Examples of areas in which information is uncertain (and therefore may be incomplete or unavailable) include future emissions rates, vehicle manufacturers' decisions about vehicle technology and design, the mix of vehicle types and model years in the LD and HDPUV fleets, VMT projections, emissions from fuel refining and distribution, the future composition of the grid mix, and economic factors. The degree of uncertainty increases as projections extend farther into the future.

To support the information in this EIS, NHTSA used the best available models and supporting data. The models used for the EIS were subjected to scientific review and were approved by the agencies that sponsored their development. Nonetheless, there are limitations to current modeling capabilities. For example, uncertainties can derive from model formulation (including numerical approximations and the definition of physical and chemical processes) and inaccuracies in the input data (e.g., emissions inventory estimates).

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¹¹ Compliance with the ozone NAAQS is based on the average of the fourth highest daily maximum 8-hour concentration over a 3-year period; compliance with the 24-hour PM2.5 NAAQS is based on the average of the daily 98th-percentile concentrations averaged over a 3-year period; compliance with the annual PM2.5 NAAQS is based on the 3-year average of the weighted annual mean concentrations.

¹² 40 CFR 1502.21(b).

Additional limitations are associated with the estimates of health impacts. To approximate the health impacts associated with each alternative, NHTSA used screening-level estimates of health impacts in the form of cases per ton of criteria pollutant emissions change. Changes in emissions of toxic air pollutants should also result in health impacts, but scientific data that would support quantification and monetization of these impacts are not available.

C.5.5 Allocation of Exhaust Emissions to Nonattainment Areas¹³

For each CAFE standard and HDPUV FE standard alternative, the CAFE Model provided national emissions estimates for each criteria air pollutant (or its chemical precursors) and MSAT. National emissions were allocated to the county level using VMT data for each county. EPA provided estimated passenger car, light truck, and HDPUV VMT data for all counties in the United States, consistent with EPA's National Emissions Inventory (NEI).¹⁴ VMT data used in the NEI were estimated from traffic counts taken by counties and states on major roadways, and therefore are subject to some uncertainty. These EPA data were projected for 2032, the most representative year available in the EPA dataset. NHTSA used the estimates of county-level VMT from the NEI only to allocate nationwide total emissions to counties and not to calculate the county-level emissions directly. The estimates of nationwide total emissions are based on the national VMT data used in the CAFE Model.

NHTSA used the county-level VMT allocations, expressed as the fractions of national VMT that take place within each county, to derive the county-level emissions from the estimates of nationwide total emissions. Emissions for each nonattainment area were then derived by summing the emissions for the counties included in each nonattainment area. Many nonattainment areas comprise one or more counties, and because county-level emissions are aggregated for each nonattainment area, uncertainties in the county-level emissions estimates carry over to estimates of emissions within each nonattainment area. Over time, some counties will grow faster than others, and VMT growth rates will vary. EPA's estimate of county-level VMT allocation is constant over time, which introduces some uncertainty into the nonattainment-area-level VMT estimates for future years. Additional uncertainties that affect county-level exhaust emissions estimates arise from differences among counties or nonattainment areas in factors other than VMT, such as ambient temperatures, vehicle age distributions, vehicle speed distributions, vehicle inspection and maintenance programs, and fuel composition requirements. Because of these uncertainties, emissions in a particular nonattainment area may be overestimated or underestimated. The overall uncertainty increases as the projection period lengthens, such as for analysis year 2050 compared with analysis year 2035.

The geographic definitions of nonattainment and maintenance areas that NHTSA uses in this document came from the current *Green Book Nonattainment Areas for Criteria Pollutants* (EPA 2023e). For nonattainment areas that include portions of counties, NHTSA calculated the proportion of county population that falls within the nonattainment area boundary as a proxy for the proportion of county VMT within the nonattainment area boundary. Partial county boundaries were taken from geographic information system (GIS) files based on 2023 nonattainment area definitions. The population estimates utilized projections to the 2035 and 2050 analysis years at 1-kilometer resolution across the country (Gao 2020). This method assumes that per-capita VMT is constant in each county so that the proportion of countywide VMT in the partial county area reflects the proportion of total county population residing

¹³ In Section C.5.5, *Allocation of Exhaust Emissions to Nonattainment Areas*, and Section C.5.6, *Allocation of Upstream Emissions to Nonattainment Areas*, the term *nonattainment* refers to both nonattainment areas and maintenance areas.

¹⁴ The VMT data provided by EPA are based on data generated by the Federal Highway Administration.

in that same area. This technique for allocating VMT to partial counties involves some additional uncertainty because actual VMT per capita can vary according to the characteristics of land use and urban development. For example, VMT per capita can be lower than average in urban centers with mass transit, and higher than average in suburban and rural areas where people tend to drive more (Cook et al. 2006; Eno Center for Transportation 2019).

The method for allocation of emissions to nonattainment areas is the same for all geographic areas and pollutants. Table C.5.5-1 lists the current nonattainment and maintenance areas for ozone and PM2.5 and their status and general conformity threshold. Areas for ozone and PM2.5 are listed because these are the pollutants for which nonattainment areas encompass the largest human populations. For the complete list of nonattainment and maintenance areas for all pollutants and standards, see Appendix D, *Air Quality Modelling and Health Impacts Assessment*.

Table C.5.5-1. Nonattainment and Maintenance Areas for Ozone and PM2.5

Nonattainment/Maintenance Area	Pollutant	Status ^a	General Conformity Threshold ^b
Allegan County, MI	Ozone	Moderate	100
Allentown-Bethlehem-Easton, PA	Ozone	Marginal	50
Amador County, CA	Ozone	Marginal	100
Atlanta, GA	Ozone	Marginal	100
Baltimore, MD	Ozone	Moderate	50
Baton Rouge, LA	Ozone	Maintenance	10
Berrien County, MI	Ozone	Moderate	100
Butte County, CA	Ozone	Marginal	100
Calaveras County, CA	Ozone	Marginal	100
Charlotte-Rock Hill, NC-SC	Ozone	Maintenance	10
Chicago, IL-IN-WI	Ozone	Moderate	100
Chico (Butte County), CA	Ozone	Marginal	100
Cincinnati, OH-KY (KY Portion)	Ozone	Moderate	100
Cincinnati, OH-KY (OH Portion)	Ozone	Maintenance	10
Cleveland, OH	Ozone	Moderate	100
Columbus, OH	Ozone	Maintenance	10
Dallas-Fort Worth, TX	Ozone	Severe 15	25
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone	Severe 15	25
Detroit, MI	Ozone	Marginal	100
Door County, WI	Ozone	Maintenance	10
Dukes County, MA	Ozone	Marginal	50
El Paso-Las Cruces, TX-NM	Ozone	Marginal	100
Greater Connecticut, CT	Ozone	Serious	50
Houston-Galveston-Brazoria, TX	Ozone	Severe 15	25
Imperial County, CA	Ozone	Moderate	100
Inland Sheboygan County, WI	Ozone	Maintenance	10

Nonattainment/Maintenance Area	Pollutant	Status ^a	General Conformity Threshold ^b
Jamestown, NY	Ozone	Marginal	50
Kern County (Eastern Kern), CA	Ozone	Severe 15	25
Knoxville, TN	Ozone	Maintenance	10
Lancaster, PA	Ozone	Marginal	50
Las Vegas, NV	Ozone	Moderate	100
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone	Severe 15	25
Los Angeles-South Coast Air Basin, CA	Ozone	Extreme	10
Louisville, KY-IN (IN Portion)	Ozone	Maintenance	10
Louisville, KY-IN (KY Portion)	Ozone	Moderate	100
Manitowoc County, WI	Ozone	Maintenance	10
Mariposa County, CA	Ozone	Moderate	100
Memphis, TN-MS-AR	Ozone	Maintenance	10
Milwaukee, WI	Ozone	Moderate	100
Morongo Band of Mission Indians, CA	Ozone	Severe 15	25
Muskegon County, MI	Ozone	Moderate	100
Nevada County (Western part), CA	Ozone	Serious	50
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Severe 15	25
Northern Wasatch Front, UT	Ozone	Moderate	100
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone	Moderate	100
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone	Moderate	100
Phoenix-Mesa, AZ	Ozone	Moderate	100
Pittsburgh-Beaver Valley, PA	Ozone	Marginal	50
Reading, PA	Ozone	Marginal	50
Riverside County (Coachella Valley), CA	Ozone	Severe 15	25
Sacramento Metro, CA	Ozone	Severe 15	25
San Antonio, TX	Ozone	Moderate	100
San Diego County, CA	Ozone	Severe 15	25
San Francisco Bay Area, CA	Ozone	Marginal	100
San Joaquin Valley, CA	Ozone	Extreme	10
San Luis Obispo (Eastern part), CA	Ozone	Marginal	100
Seaford, DE	Ozone	Marginal	50
Sheboygan County, WI	Ozone	Moderate	100
Shoreline Sheboygan County, WI	Ozone	Maintenance	10
Southern Wasatch Front, UT	Ozone	Marginal	100
St. Louis, MO-IL	Ozone	Moderate	100
Sutter Buttes, CA	Ozone	Marginal	100
Tuolumne County, CA	Ozone	Marginal	100

Nonattainment/Maintenance Area	Pollutant	Status ^a	General Conformity Threshold ^b
Tuscan Buttes, CA	Ozone	Marginal (Rural Transport)	100
Uinta Basin, UT	Ozone	Marginal	100
Upper Green River Basin Area, WY	Ozone	Marginal	100
Ventura County, CA	Ozone	Serious	50
Washington, DC-MD-VA	Ozone	Moderate	100
Yuma, AZ	Ozone	Marginal	100
Allegheny County, PA	PM2.5	Moderate	100
Allentown, PA	PM2.5	Maintenance	100
Birmingham, AL	PM2.5	Maintenance	100
Canton-Massillon, OH	PM2.5	Maintenance	100
Charleston, WV	PM2.5	Maintenance	100
Chico, CA	PM2.5	Maintenance	100
Cleveland, OH	PM2.5	Maintenance	100
Delaware County, PA	PM2.5	Maintenance	100
Detroit-Ann Arbor, MI	PM2.5	Maintenance	100
Fairbanks, AK	PM2.5	Serious	70
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5	Maintenance	100
Imperial County, CA	PM2.5	Moderate	100
Johnstown, PA	PM2.5	Maintenance	100
Klamath Falls, OR	PM2.5	Moderate	100
Knoxville-Sevierville-La Follette, TN	PM2.5	Maintenance	100
Lancaster, PA	PM2.5	Maintenance	100
Lebanon County, PA	PM2.5	Maintenance	100
Liberty-Clairton, PA	PM2.5	Moderate	100
Logan, UT-ID	PM2.5	Maintenance	100
Los Angeles-South Coast Air Basin, CA	PM2.5	Serious	70
Milwaukee-Racine, WI	PM2.5	Maintenance	100
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5	Maintenance	100
Nogales, AZ	PM2.5	Maintenance	100
Oakridge, OR	PM2.5	Maintenance	100
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5	Maintenance	100
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5	Maintenance	100
Pittsburgh-Beaver Valley, PA	PM2.5	Maintenance	100
Plumas County, CA	PM2.5	Serious	70
Provo, UT	PM2.5	Serious	70
Sacramento, CA	PM2.5	Moderate	100
Salt Lake City, UT	PM2.5	Serious	70
San Francisco Bay Area, CA	PM2.5	Moderate	100

Nonattainment/Maintenance Area	Pollutant	Status ^a	General Conformity Threshold ^b
San Joaquin Valley, CA	PM2.5	Serious	70
Steubenville-Weirton, OH-WV	PM2.5	Maintenance	100
Tacoma, WA	PM2.5	Maintenance	100
West Central Pinal, AZ	PM2.5	Moderate	100
West Silver Valley, ID	PM2.5	Maintenance	100
Yuba City-Marysville, CA	PM2.5	Maintenance	100

 NO_X = nitrogen oxides; PM2.5 = particulate matter 2.5 microns or less in diameter; VOC = volatile organic compounds

C.5.6 Allocation of Upstream Emissions to Nonattainment Areas

For liquid and gaseous fuels, upstream emissions are generated when fuels used by motor vehicles are produced, processed, and transported. Upstream emissions are typically divided into four categories: feedstock recovery; feedstock transportation; fuel refining; and fuel transportation, storage, and distribution (TS&D). Feedstock recovery refers to the extraction or production of fuel feedstocks—the materials (e.g., crude oil) that are the main inputs to the refining process. In the case of petroleum, this is the stage of crude-oil extraction. During the next stage, feedstock transportation, crude oil or other feedstocks are shipped to fuel refineries. Fuel refining refers to the processing of crude oil into gasoline and diesel fuel. Fuel refining is the largest source of upstream emissions of criteria pollutants. Depending on the specific fuel and pollutant, fuel refining accounts for between 48 and 87 percent of all upstream emissions per unit of fuel produced and distributed (based on GREET version 2022). Commonly, TS&D refers to the movement of gasoline and diesel from refineries to bulk terminals, storage at bulk terminals, and transportation of fuel from bulk terminals to retail outlets. ¹⁵ Emissions of pollutants at each stage are associated with expenditure of energy and with leakage or spillage and evaporation of fuel products. NHTSA has allocated upstream emissions to individual nonattainment areas to provide additional information in its regional air quality analysis to the decision-maker and the public, consistent with previous CAFE EISs (NHTSA 2010, 2012, 2020, 2022) and the heavy-duty fuel efficiency standards EISs (NHTSA 2011, 2016b). NHTSA made a number of assumptions for this analysis because of uncertainty over the accuracy of the allocation of upstream emissions. A similar analysis was performed for upstream emissions from electricity for transportation use, accounting for feedstock production and then electricity generation and transmission using a nationally representative grid mix.

^a Pollutants for which the area is designated in nonattainment or maintenance as of February 2023. For nonattainment areas, the status given is the severity classification as defined in 40 CFR 51.1303. Classifications in order of increasing ozone concentration are Marginal, Moderate, Serious, Severe 15, Severe 17, and Extreme. Where an area is nonattainment for more than one standard for the same pollutant, the more restrictive severity classification is shown.

^b Emissions thresholds in tons per year. In ozone nonattainment areas, the thresholds given are for the precursor pollutants VOC or NO_x; in PM2.5 nonattainment areas the thresholds represent primary PM2.5. Where an area is nonattainment for more than one standard for the same pollutant, the lowest applicable threshold is shown. Source: 40 CFR 93.153. These thresholds are provided for information only; a general conformity determination is not required for NHTSA's Proposed Action. Source: EPA 2023e

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¹⁵ Emissions that occur while vehicles are being refueled at retail stations are included in estimates of emissions from vehicle operation.

To analyze the impacts of the alternatives on individual nonattainment areas, NHTSA allocated projected emissions data from the EPA 2016-based air quality modeling platform (EPA 2022h). These EPA data were projected for 2032, the most representative year available in the EPA dataset. NHTSA allocated changes in nationwide total emissions, for each of the four source categories separately, to individual nonattainment areas. The EPA modeling platform includes estimates of emissions of criteria and toxic pollutants by county and by source category. Because each of the four upstream emissions source categories represents a separate source category in the EPA modeling platform, it is possible to estimate the share of nationwide emissions from each category that occurs within each nonattainment area. This analysis assumes that the share of emissions from feedstock extraction and fuel refining allocated to each nonattainment area does not change over time, which means that emissions for these two source categories are assumed to change uniformly (in percentage terms) across that category nationwide as a result of each alternative. This analysis also assumes that the share of emissions from feedstock and fuel TS&D allocated to each nonattainment area can change over time based on the population forecast for each area.

C.5.7 Health Impacts

This section describes NHTSA's approach to providing quantitative estimates of adverse health impacts of conventional air pollutants associated with each CAFE standard and HDPUV FE standard alternative. In this analysis, NHTSA quantified the impacts on human health anticipated to result from the changes in pollutant emissions and related changes in human exposure to air pollutants under each alternative. NHTSA evaluated the changes to several health outcomes associated with criteria pollutant emissions. Table C.5.7-1 lists the health outcomes NHTSA quantified. This method estimates the health impacts of each alternative for each analysis year, expressed as the number of additional or avoided adverse health outcomes per year. Health outcomes are calculated for each primary pollutant (NO_x, directly emitted PM2.5, and SO₂) and expressed as adverse health outcomes increased per ton of increased emissions or as adverse health outcomes avoided per ton of reduced emissions. Each primary pollutant has a specific factor related to its quantifiable health impacts expressed as incidence of impacts per ton of emissions. The general approach to calculating the health outcomes associated with each alternative is to multiply these factors by the estimated annual change in emissions of that pollutant and to sum the results of these calculations for all pollutants. This calculation provides the total health impacts that would result under each CAFE standard and HDPUV FE standard alternative.

Table C.5.7-1. Human Health and Welfare Impacts of PM2.5

Impacts Quantified	Impacts Excluded from Quantification ^a
Adult premature mortality	Chronic bronchitis (age >26)
Infant mortality	Emergency room visits for cardiovascular effects
Acute bronchitis (age 8–12)	Strokes and cerebrovascular disease (age 50–79)
Hospital admissions: respiratory (all ages) and cardiovascular (age >26)	Other respiratory effects (e.g., pulmonary function, non-asthma emergency room visits, nonbronchitis chronic diseases, other ages and populations)
Emergency room visits for asthma	Cardiovascular effects other than those listed

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¹⁶ NHTSA incorporated the feedstock recovery and feedstock transportation stages in this EIS. Emissions from the feedstock recovery and feedstock transportation stages are small relative to total upstream and tailpipe emissions and do not have a substantial effect on the EIS results.

Impacts Quantified	Impacts Excluded from Quantification ^a
Nonfatal heart attacks (age >18)	Reproductive and developmental effects (e.g., low birth weight, preterm births)
Lower (age 7–14) and upper (age 9–11) respiratory symptoms	Cancer, mutagenicity, and genotoxicity effects
Minor restricted-activity days (age 18–65)	
Lost work days (age 18–65)	
Asthma exacerbations (asthmatics age 6–18)	

^a EPA excluded these effects because of insufficient confidence in available data or methods, or because current evidence is only suggestive of causality or there are other significant concerns over the strength of the association.

Source: EPA 2018b. See this source for more information related to the affected ages included in the analysis.

PM2.5 = particulate matter 2.5 microns or less in diameter; EPA = U.S. Environmental Protection Agency

In calculating the health impacts of emissions increases, NHTSA estimated only the PM2.5-related human health impacts expected to result from increased population exposure to atmospheric concentrations of PM2.5. Two other pollutants— NO_X and SO_2 —are included in the analysis as precursor emissions that contribute to PM2.5 not emitted directly from a source but instead are formed by chemical reactions in the atmosphere (secondary PM2.5). Increases in NO_X and VOC emissions would also increase ozone formation and the health effects associated with ozone exposure, but there are no incidence-per-ton estimates for NO_X and VOCs because of the complexity of the atmospheric air chemistry and nonlinearities associated with ozone formation. This analysis does not include any increases in health impacts resulting from greater population exposure to other criteria air pollutants and air toxics because there are not enough data available to quantify these impacts.

C.5.7.1 Quantified Health Impacts

The incidence-per-ton factors represent the total human health benefits due to a suite of PM-related health impacts for each ton of emissions reduced. The factors are specific to an individual pollutant and source. The PM2.5 incidence-per-ton estimates apply to directly emitted PM2.5 or its precursors (NO_X and SO₂). NHTSA followed the incidence-per-ton technique used in EPA's PM2.5 NAAQS Regulatory Impact Analysis (RIA) (EPA 2013a), Ozone NAAQS RIA (EPA 2010a), Portland Cement National Emission Standards for Hazardous Air Pollutants RIA (EPA 2010b), NO₂ NAAQS RIA (EPA 2010c), and most recently updated in *Estimating the Benefit per Ton of Reducing PM*_{2.5} *Precursors from 17 Sectors* (EPA 2018b).¹⁷ NHTSA included additional updates given in Wolfe et al. (2019). Updates from the 2006 PM NAAQS RIA in the 2012 PM2.5 NAAQS RIA include no longer assuming a concentration threshold in the concentration-response function for the PM2.5-related health effects; using incidence derived from a major cohort study of PM2.5; and baseline incidence rates for hospital admissions, emergency department visits, and asthma prevalence rates. Revised health endpoints, sensitivity analyses, and new morbidity studies were also included.

¹⁷ EPA refers to this technique as the "benefit per ton" method for estimating the health benefits of reduced emissions, and NHTSA follows this terminology in this appendix. However, this technique applies equally to estimating the additional health outcomes from increased emissions.

Table C.5.7-1 lists the quantified PM2.5-related benefits captured in those benefit-per-ton estimates, and potential PM2.5-related benefits that were not quantified in this analysis. The benefits estimates use the concentration-response functions¹⁸ as reported in the epidemiology literature.¹⁹

EPA developed national per-ton estimates for selected pollutants emitted through stationary and mobile activity (EPA 2018b; Wolfe et al. 2019). Because the per-ton values vary slightly between the two categories, the total health impacts were derived by multiplying the stationary per-ton estimates by total upstream emissions and the mobile per-ton estimates by total mobile emissions. NHTSA's estimate of PM2.5 benefits is, therefore, based on the total direct PM2.5 and PM2.5-related precursor emissions controlled by sector and multiplied by this per-ton value.

PM-related mortality reductions provide most of the benefit in each benefit-per-ton estimate. The following description of EPA's approach is adapted from the Revised 2023 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions Standards (EPA 2021c). EPA bases its benefits analyses on peerreviewed studies of air quality and health effects. EPA calculated the premature mortality-related effect coefficients that underlie the benefits-per-ton estimates from an epidemiology study that examined a large population cohort—the American Cancer Society (ACS) cohort (Krewski et al. 2009). Recently, EPA updated its approach to estimating the benefits of changes in PM2.5 and ozone. These updates were based on information drawn from EPA's 2019 PM2.5 and 2020 Ozone ISAs, which were reviewed by the Clean Air Science Advisory Committee and the public (EPA 2019b, 2020j). NHTSA used the same PM2.5 benefit-per-ton estimates that were used in the Final Supplemental Environmental Impact Statement for Model Year 2024–2026 Corporate Average Fuel Economy Standards (NHTSA 2022), to ensure consistency between the values corresponding to different source sectors.²⁰ These benefit-per-ton estimates are based on the review of the EPA 2009 PM ISA and 2012 PM ISA Provisional Assessment and include a mortality risk estimate derived from the Krewski et al. (2009) analysis of the ACS cohort and nonfatal illnesses consistent with benefits analyses performed for the analysis of the final EPA Tier 3 Vehicle Rule, the final EPA 2012 PM NAAQS Revision, and the final EPA 2017-2025 LD Vehicle GHG Rule. NHTSA expects this interval in updating the benefit-per-ton estimates to have a minimal impact on total PM benefits, since the underlying mortality risk estimate based on the Krewski study is identical to an updated PM2.5 mortality risk estimate derived from an expanded analysis of the same ACS cohort.

The benefits of mortality reductions do not occur in the year of analysis. Instead, EPA's method assumes that there is a cessation lag—that is, the benefits are distributed across 20 years following the year of exposure (the emissions analysis year). The benefits-per-ton estimates used in this analysis are based on the mortality health outcome factors given in Table C.5.7-1. The benefit-per-ton estimates are subject to several assumptions and uncertainties:

¹⁸ Concentration-response functions measure the relationship between exposure to pollution as a cause and specific outcomes as an effect (e.g., the incremental number of hospitalizations that would result from exposure of a population to a specified concentration of an air pollutant over a specified period).

¹⁹ The complete method for creating the benefit-per-ton estimates used in this analysis is provided in *Estimating the Benefit per Ton of Reducing PM_{2.5} Precursors from 17 Sectors* (EPA 2018b) and Fann et al. (2009). Since the publication of Fann et al. (2009), EPA no longer assumes that there is a threshold in PM-related models of health impacts.

²⁰ NHTSA made minor adjustments in the benefit-per-ton estimates for the petroleum transportation sector and the fuel transportation, storage, and distribution sector (Table C.5.7-2b) to reflect updated transportation mode shares in GREET 2022 compared to GREET 2021.

- The benefit-per-ton estimates incorporate projections of key variables, including atmospheric conditions, source level emissions, population, health baselines, and incomes. These projections introduce some uncertainties to the benefit-per-ton estimates.
- The benefit-per-ton estimates do not reflect local variability in population density, meteorology, exposure, baseline health incidence rates, or other local factors that might lead to an overestimate or underestimate of the actual benefits of controlling fine particulates (PM2.5). Emissions changes and benefit-per-ton estimates alone are not a precise indication of local or regional air quality and health impacts because there could be localized impacts associated with the Proposed Action and alternatives. Because the atmospheric chemistry related to ambient concentrations of PM2.5, ozone, and air toxics is very complex, full-scale photochemical air quality modeling is necessary to control for local variability. Full-scale photochemical modeling provides the needed spatial and temporal detail to estimate changes in ambient levels of these pollutants and their associated impacts on human health and welfare. This modeling provides insight into the uncertainties associated with the use of benefit-per-ton estimates. NHTSA intends to conduct a photochemical modeling analysis for the Final EIS using the same methods as in the CAFE Final EISs (NHTSA 2010, 2012, 2020, 2022) and the HD FE Standards Phases 1 and 2 Final EISs (NHTSA 2011, 2016b). Using the same approach the agency used for the Final Supplemental Environmental Impact Statement for Model Year 2024–2026 Corporate Average Fuel Economy Standards (NHTSA 2022) photochemical analysis, NHTSA intends to conduct the photochemical modeling analysis for this EIS using a 12kilometer (7.5-mile) by 12-kilometer grid cell size in accordance with EPA guidance (EPA 2018d), making use of the most recent EPA emissions information that is based on a 12-kilometer by 12kilometer grid cell size.
- NHTSA assumed that all fine particles, regardless of their chemical composition, are equally potent in causing premature mortality. This is an important assumption, because PM2.5 produced via transported precursors emitted from stationary sources might differ significantly from direct PM2.5 released from diesel engines and other industrial sources. However, there are no clear scientific grounds to support estimating differential effects by particle type.
- NHTSA assumed that the health impact (concentration-response) function for fine particles is linear
 within the range of ambient concentrations under consideration. Therefore, the estimates include
 health benefits from reducing fine particles in areas with varied concentrations of PM2.5, including
 regions that are in attainment for the fine-particle standard and those that do not meet the
 standard, down to the lowest modeled concentrations.
- The following uncertainties, among others, are associated with the health impact functions. These uncertainties could underestimate or overestimate benefits.
 - Within-study variability (the precision with which a given study estimates the relationship between air quality changes and health impacts)
 - Across-study variation (different published studies of the same pollutant/health effect relationship typically do not report identical findings, and in some cases the differences are substantial)
 - Application of concentration-response functions nationwide (does not account for any relationship between region and health impact to the extent that there is such a relationship)
 - Extrapolation of impact functions across population (NHTSA assumed that certain health impact functions applied to age ranges broader than those considered in the original epidemiological study)

• NHTSA was unable to quantify several health-benefits categories because of limitations associated with using benefit-per-ton estimates, several of which could be substantial. Because NO_X and VOCs are also precursors to ozone, reductions in NO_X and VOC emissions would also reduce ozone formation and the health effects associated with ozone exposure. Unfortunately, there are no benefit-per-ton estimates because of the complexity of the atmospheric air chemistry and nonlinearities associated with ozone formation. The PM-related benefit-per-ton estimates also do not include any human welfare or ecological benefits because of limitations on the availability of data to quantify these impacts of pollutant emissions.

Because of these uncertainties, it is not possible to draw conclusions about whether the benefit-per-ton values are underestimated or overestimated. The RIA for the 2012 PM2.5 NAAQS (EPA 2013a) provides more information about the overall uncertainty in the estimates of the benefits of reducing PM2.5 emissions.

Tables C.5.7-2a—e list the incidence-per-short-ton estimates for PM-related health impacts (derived by the process described in this section). For the analysis of direct and indirect impacts (Chapter 4, Section 4.2, *Environmental Consequences*) NHTSA used the values shown here for 2030 (Section C.5.3, *Analysis Periods*) to estimate impacts in 2035 and 2050.

Table C.5.7-2a. Health Impact per Ton of Emissions (incidence per short ton)

	Upstream Emissions (Refineries Sector)			Upstream Emissions (Petroleum Extraction Sector)		
Calendar Year	NO _x	SO _x	PM2.5	NO _x	SO _x	PM2.5
2020						
Premature deaths (Krewski)	0.00082	0.0082	0.039	0.00029	0.0025	0.015
Respiratory emergency room visits	0.00044	0.0045	0.022	0.00014	0.0012	0.0077
Acute bronchitis	0.0012	0.012	0.059	0.00036	0.0032	0.020
Lower respiratory symptoms	0.016	0.16	0.75	0.0046	0.040	0.26
Upper respiratory symptoms	0.023	0.22	1.1	0.0065	0.057	0.36
Minor restricted activity days	0.66	6.7	31	0.18	1.6	10.2
Work loss days	0.11	1.1	5.3	0.031	0.28	1.7
Asthma exacerbation	0.026	0.26	1.2	0.0075	0.065	0.42
Cardiovascular hospital admissions	0.00019	0.0021	0.0095	0.000068	0.00062	0.0036
Respiratory hospital admissions	0.00019	0.0020	0.0089	0.000047	0.00044	0.0025
Non-fatal heart attacks (Peters)	0.00080	0.0082	0.038	0.00028	0.0025	0.014
Non-fatal heart attacks (All others)	0.000087	0.00089	0.0041	0.000030	0.00027	0.0016
2025				•	•	
Premature deaths (Krewski)	0.00087	0.0088	0.041	0.00029	0.0025	0.015
Respiratory emergency room visits	0.00045	0.0047	0.023	0.00014	0.0012	0.0077
Acute bronchitis	0.0013	0.013	0.061	0.00036	0.0032	0.020
Lower respiratory symptoms	0.016	0.16	0.78	0.0046	0.040	0.26
Upper respiratory symptoms	0.023	0.23	1.1	0.0065	0.057	0.36
Minor restricted activity days	0.67	6.8	32	0.18	1.6	10.2
Work loss days	0.11	1.2	5.4	0.031	0.28	1.7
Asthma exacerbation	0.027	0.28	1.3	0.0075	0.065	0.42
Cardiovascular hospital admissions	0.00022	0.0023	0.010	0.000068	0.00062	0.0036
Respiratory hospital admissions	0.00021	0.0022	0.010	0.000047	0.00044	0.0025
Non-fatal heart attacks (Peters)	0.00088	0.0091	0.041	0.00028	0.0025	0.014
Non-fatal heart attacks (All other studies)	0.000095	0.00099	0.0045	0.000030	0.00027	0.0016
2030						
Premature deaths (Krewski)	0.00094	0.0095	0.044	0.00029	0.0025	0.015
Respiratory emergency room visits	0.00047	0.0049	0.024	0.00014	0.0012	0.0077
Acute bronchitis	0.0014	0.014	0.066	0.00036	0.0032	0.020
Lower respiratory symptoms	0.018	0.18	0.84	0.0046	0.040	0.26
Upper respiratory symptoms	0.025	0.25	1.2	0.0065	0.057	0.36
Minor restricted activity days	0.68	7.0	33	0.18	1.6	10.2
Work loss days	0.12	1.2	5.6	0.031	0.28	1.7
Asthma exacerbation	0.029	0.29	1.4	0.0075	0.065	0.42
Cardiovascular hospital admissions	0.00024	0.0026	0.012	0.000068	0.00062	0.0036
Respiratory hospital admissions	0.00024	0.0025	0.011	0.000047	0.00044	0.0025
Non-fatal heart attacks (Peters)	0.00097	0.010	0.045	0.00028	0.0025	0.014
Non-fatal heart attacks (All other studies)	0.00010	0.0011	0.0049	0.000030	0.00027	0.0016

 NO_X = nitrogen oxides; PM2.5 = particulate matter 2.5 microns or less in diameter; SO_X = sulfur oxides

Table C.5.7-2b. Health Impact per Ton of Emissions (incidence per short ton)

	•	stream Emissi n Transportati		Upstream Emissions (Fuel TS&D Sector)		
Calendar Year	NO _x	SO _x	PM2.5	NO _x	SO _x	PM2.5
2020						
Premature deaths (Krewski)	0.00038	0.0081	0.028	0.00035	0.0080	0.022
Respiratory emergency room visits	0.00020	0.0044	0.017	0.00018	0.0043	0.014
Acute bronchitis	0.00052	0.0107	0.038	0.00048	0.011	0.031
Lower respiratory symptoms	0.0065	0.136	0.48	0.0060	0.14	0.40
Upper respiratory symptoms	0.009	0.19	0.68	0.009	0.19	0.56
Minor restricted activity days	0.27	5.8	21	0.25	5.7	18
Work loss days	0.046	1.00	3.6	0.042	1.0	3.0
Asthma exacerbation	0.011	0.23	0.80	0.010	0.22	0.66
Cardiovascular hospital admissions	0.00010	0.0021	0.0073	0.00009	0.0021	0.0060
Respiratory hospital admissions	0.00009	0.0020	0.0070	0.00009	0.0020	0.0057
Non-fatal heart attacks (Peters)	0.00038	0.0082	0.029	0.00035	0.0083	0.023
Non-fatal heart attacks (All other studies)	0.000041	0.00089	0.0031	0.000038	0.00091	0.0025
2025						
Premature deaths (Krewski)	0.00038	0.0078	0.027	0.00034	0.0082	0.022
Respiratory emergency room visits	0.00020	0.0042	0.016	0.00018	0.0044	0.014
Acute bronchitis	0.00052	0.0103	0.037	0.00046	0.011	0.031
Lower respiratory symptoms	0.0065	0.13	0.47	0.0059	0.14	0.40
Upper respiratory symptoms	0.009	0.18	0.66	0.008	0.19	0.56
Minor restricted activity days	0.27	5.6	20	0.24	5.9	18
Work loss days	0.05	0.96	3.5	0.041	1.0	3.0
Asthma exacerbation	0.011	0.22	0.78	0.010	0.23	0.66
Cardiovascular hospital admissions	0.00010	0.0020	0.0071	0.00009	0.0021	0.0060
Respiratory hospital admissions	0.00009	0.0020	0.0068	0.00008	0.0021	0.0057
Non-fatal heart attacks (Peters)	0.00038	0.0080	0.028	0.00035	0.0085	0.023
Non-fatal heart attacks (All other studies)	0.000041	0.00087	0.0030	0.000037	0.00093	0.0025
2030						
Premature deaths (Krewski)	0.00036	0.0088	0.029	0.00034	0.0081	0.022
Respiratory emergency room visits	0.00019	0.0048	0.018	0.00018	0.0043	0.014
Acute bronchitis	0.00050	0.0118	0.040	0.00046	0.011	0.031
Lower respiratory symptoms	0.0063	0.15	0.51	0.0058	0.14	0.39
Upper respiratory symptoms	0.0090	0.21	0.72	0.008	0.19	0.56
Minor restricted activity days	0.26	6.5	22	0.24	5.8	18
Work loss days	0.044	1.11	3.8	0.041	1.0	3.0
Asthma exacerbation	0.011	0.25	0.85	0.010	0.23	0.66
Cardiovascular hospital admissions	0.00009	0.0023	0.0077	0.00009	0.0021	0.0060
Respiratory hospital admissions	0.000089	0.0022	0.0074	0.00008	0.0020	0.0057
Non-fatal heart attacks (Peters)	0.00036	0.0090	0.030	0.00034	0.0084	0.023
Non-fatal heart attacks (All other studies)	0.000039	0.00097	0.0032	0.000037	0.0009	0.0025

 NO_X = nitrogen oxides; PM2.5 = particulate matter 2.5 microns or less in diameter; SO_X = sulfur oxides; TS&D = transportation, storage, and distribution

Table C.5.7-2c. Health Impact per Ton of Emissions (incidence per short ton)

	Upstream Emissions (Electricity Generation Sector)			Vehicle Emissions (On-Road Light-Duty Gas Cars & Motorcycles Sector)		
Calendar Year	NO _x	SO _x	PM2.5	NO _x	SO _x	PM2.5
2020						
Premature deaths (Krewski)	0.00066	0.0045	0.016	0.00075	0.013	0.073
Respiratory emergency room visits	0.00032	0.0022	0.0091	0.00039	0.0076	0.041
Acute bronchitis	0.00085	0.0055	0.021	0.0010	0.020	0.11
Lower respiratory symptoms	0.011	0.070	0.27	0.013	0.25	1.4
Upper respiratory symptoms	0.016	0.10	0.39	0.018	0.35	2.0
Minor restricted activity days	0.46	3.0	12	0.53	11	60
Work loss days	0.077	0.51	2.0	0.090	1.8	10
Asthma exacerbation	0.018	0.12	0.46	0.022	0.42	2.3
Cardiovascular hospital admissions	0.00016	0.0011	0.0040	0.00019	0.0036	0.020
Respiratory hospital admissions	0.00015	0.0011	0.0038	0.00018	0.0034	0.018
Non-fatal heart attacks (Peters)	0.00063	0.0045	0.016	0.00075	0.014	0.076
Non-fatal heart attacks (All other studies)	0.000068	0.00049	0.0017	0.000080	0.0015	0.0082
2025				•		I .
Premature deaths (Krewski)	0.00070	0.0048	0.017	0.00075	0.013	0.073
Respiratory emergency room visits	0.00033	0.0023	0.0094	0.00039	0.0076	0.041
Acute bronchitis	0.00089	0.0057	0.022	0.0010	0.020	0.11
Lower respiratory symptoms	0.011	0.073	0.29	0.013	0.25	1.4
Upper respiratory symptoms	0.016	0.10	0.41	0.018	0.35	2.0
Minor restricted activity days	0.46	3.0	12	0.53	11	60
Work loss days	0.077	0.52	2.0	0.090	1.8	10
Asthma exacerbation	0.019	0.12	0.48	0.022	0.42	2.3
Cardiovascular hospital admissions	0.00017	0.0012	0.0044	0.00019	0.0036	0.020
Respiratory hospital admissions	0.00017	0.0012	0.0043	0.00018	0.0034	0.018
Non-fatal heart attacks (Peters)	0.00068	0.0049	0.018	0.00075	0.014	0.076
Non-fatal heart attacks (All other studies)	0.000074	0.00054	0.0019	0.000080	0.0015	0.0082
2030						
Premature deaths (Krewski)	0.00074	0.0051	0.018	0.00075	0.013	0.073
Respiratory emergency room visits	0.00034	0.0024	0.0098	0.00039	0.0076	0.041
Acute bronchitis	0.00096	0.0062	0.024	0.0010	0.020	0.11
Lower respiratory symptoms	0.012	0.079	0.31	0.013	0.25	1.4
Upper respiratory symptoms	0.017	0.11	0.44	0.018	0.35	2.0
Minor restricted activity days	0.46	3.1	12	0.53	11	60
Work loss days	0.078	0.53	2.1	0.090	1.8	10
Asthma exacerbation	0.020	0.13	0.51	0.022	0.42	2.3
Cardiovascular hospital admissions	0.00018	0.0014	0.0048	0.00019	0.0036	0.020
Respiratory hospital admissions	0.00018	0.0013	0.0047	0.00018	0.0034	0.018
Non-fatal heart attacks (Peters)	0.00074	0.0053	0.019	0.00075	0.014	0.076
Non-fatal heart attacks (All other studies)	0.000079	0.00058	0.0021	0.000080	0.0015	0.0082

 NO_X = nitrogen oxides; PM2.5 = particulate matter 2.5 microns or less in diameter; SO_X = sulfur oxides

Table C.5.7-2d. Health Impact per Ton of Emissions (incidence per short ton)

		hicle Emission nt-Duty Gas Tr	Vehicle Emissions (On-Road Light-Duty Diesel Sector)			
Calendar Year	NO _x	SO _x	PM2.5	NO _x	SO _X	PM2.5
2020	•	•		•		
Premature deaths (Krewski)	0.00068	0.011	0.061	0.00060	0.031	0.050
Respiratory emergency room visits	0.00035	0.0061	0.035	0.00032	0.019	0.029
Acute bronchitis	0.00096	0.016	0.091	0.00085	0.047	0.075
Lower respiratory symptoms	0.012	0.20	1.2	0.011	0.59	0.95
Upper respiratory symptoms	0.017	0.28	1.7	0.015	0.84	1.35
Minor restricted activity days	0.49	8.5	49	0.44	25	40
Work loss days	0.084	1.4	8.4	0.075	4.3	6.9
Asthma exacerbation	0.020	0.33	1.9	0.018	1.0	1.6
Cardiovascular hospital admissions	0.00017	0.0028	0.016	0.00015	0.0085	0.013
Respiratory hospital admissions	0.00016	0.0027	0.015	0.00015	0.0081	0.013
Non-fatal heart attacks (Peters)	0.00068	0.011	0.064	0.00060	0.033	0.053
Non-fatal heart attacks (All other	0.000073	0.0012	0.0069	0.000065	0.0035	0.005
studies)						
2025	T	1		T		T
Premature deaths (Krewski)	0.00068	0.011	0.061	0.00060	0.031	0.050
Respiratory emergency room visits	0.00035	0.0061	0.035	0.00032	0.019	0.029
Acute bronchitis	0.00096	0.016	0.091	0.00085	0.047	0.075
Lower respiratory symptoms	0.012	0.20	1.2	0.011	0.59	0.95
Upper respiratory symptoms	0.017	0.28	1.7	0.015	0.84	1.35
Minor restricted activity days	0.49	8.5	49	0.44	25	40
Work loss days	0.084	1.4	8.4	0.075	4.3	6.9
Asthma exacerbation	0.020	0.33	1.9	0.018	1.0	1.6
Cardiovascular hospital admissions	0.00017	0.0028	0.016	0.00015	0.0085	0.013
Respiratory hospital admissions	0.00016	0.0027	0.015	0.00015	0.0081	0.013
Non-fatal heart attacks (Peters)	0.00068	0.011	0.064	0.00060	0.033	0.053
Non-fatal heart attacks (All other studies)	0.000073	0.0012	0.0069	0.000065	0.0035	0.005
2030						
Premature deaths (Krewski)	0.00068	0.011	0.061	0.00060	0.031	0.050
Respiratory emergency room visits	0.00035	0.0061	0.035	0.00032	0.019	0.029
Acute bronchitis	0.00096	0.016	0.091	0.00085	0.047	0.075
Lower respiratory symptoms	0.012	0.20	1.2	0.011	0.59	0.95
Upper respiratory symptoms	0.017	0.28	1.7	0.015	0.84	1.35
Minor restricted activity days	0.49	8.5	49	0.44	25	40
Work loss days	0.084	1.4	8.4	0.075	4.3	6.9
Asthma exacerbation	0.020	0.33	1.9	0.018	1.0	1.6
Cardiovascular hospital admissions	0.00017	0.0028	0.016	0.00015	0.0085	0.013
Respiratory hospital admissions	0.00017	0.0027	0.015	0.00015	0.0083	0.013
Non-fatal heart attacks (Peters)	0.00010	0.0027	0.064	0.00013	0.0081	0.013
Non-fatal heart attacks (All other studies)	0.00003	0.0012	0.004	0.000065	0.0035	0.005

Sources: EPA 2018b; Fann 2020

 NO_X = nitrogen oxides; PM2.5 = particulate matter 2.5 microns or less in diameter; SO_X = sulfur oxides

Table C.5.7-2e. Health Impact per Ton of Emissions (incidence per short ton)

		hicle Emission PUV Gas Secto	_	Vehicle Emissions (HDPUV Diesel Sector)		
Calendar Year	NO _x	SO _x	PM2.5	NO _x	SO _x	PM2.5
2020	•	•		•		
Premature deaths (Krewski)	0.00067	0.011	0.060	0.00061	0.031	0.049
Respiratory emergency room visits	0.00035	0.007	0.034	0.00032	0.018	0.028
Acute bronchitis	0.00094	0.017	0.089	0.00086	0.045	0.072
Lower respiratory symptoms	0.012	0.21	1.13	0.011	0.58	0.92
Upper respiratory symptoms	0.017	0.30	1.61	0.015	0.82	1.30
Minor restricted activity days	0.49	8	49	0.44	25	40
Work loss days	0.082	1.5	8.2	0.075	4.2	6.6
Asthma exacerbation	0.020	0.4	1.9	0.018	1.0	1.5
Cardiovascular hospital admissions	0.00017	0.0030	0.016	0.00015	0.0083	0.013
Respiratory hospital admissions	0.00016	0.0029	0.015	0.00015	0.0079	0.012
Non-fatal heart attacks (Peters)	0.00067	0.012	0.063	0.00061	0.032	0.051
Non-fatal heart attacks (All other studies)	0.000072	0.0013	0.0068	0.000066	0.0035	0.005
2025	•		l			
Premature deaths (Krewski)	0.00067	0.011	0.060	0.00061	0.031	0.049
Respiratory emergency room visits	0.00035	0.007	0.034	0.00032	0.018	0.028
Acute bronchitis	0.00094	0.017	0.089	0.00086	0.045	0.072
Lower respiratory symptoms	0.012	0.21	1.13	0.011	0.58	0.92
Upper respiratory symptoms	0.017	0.30	1.61	0.015	0.82	1.30
Minor restricted activity days	0.49	8	49	0.44	25	40
Work loss days	0.082	1.5	8.2	0.075	4.2	6.6
Asthma exacerbation	0.020	0.4	1.9	0.018	1.0	1.5
Cardiovascular hospital admissions	0.00017	0.0030	0.016	0.00015	0.0083	0.013
Respiratory hospital admissions	0.00016	0.0029	0.015	0.00015	0.0079	0.012
Non-fatal heart attacks (Peters)	0.00067	0.012	0.063	0.00061	0.032	0.051
Non-fatal heart attacks (All other studies)	0.000072	0.0013	0.0068	0.000066	0.0035	0.0055
2030						l
Premature deaths (Krewski)	0.00067	0.011	0.060	0.00061	0.031	0.049
Respiratory emergency room visits	0.00035	0.007	0.034	0.00032	0.018	0.028
Acute bronchitis	0.00094	0.017	0.089	0.00086	0.045	0.072
Lower respiratory symptoms	0.012	0.21	1.13	0.011	0.58	0.92
Upper respiratory symptoms	0.017	0.30	1.61	0.015	0.82	1.30
Minor restricted activity days	0.49	8	49	0.44	25	40
Work loss days	0.082	1.5	8.2	0.075	4.2	6.6
Asthma exacerbation	0.020	0.4	1.9	0.018	1.0	1.5
Cardiovascular hospital admissions	0.00017	0.0030	0.016	0.00015	0.0083	0.013
Respiratory hospital admissions	0.00017	0.0029	0.015	0.00015	0.0079	0.012
Non-fatal heart attacks (Peters)	0.00067	0.012	0.063	0.00013	0.032	0.051
Non-fatal heart attacks (All other studies)	0.000072	0.0013	0.0068	0.000066	0.0035	0.005

Sources: EPA 2018b; Fann 2020

 NO_X = nitrogen oxides; PM2.5 = particulate matter 2.5 microns or less in diameter; SO_X = sulfur oxides; HDPUV = heavy-duty pickup trucks and vans

The EPA incidence-per-ton estimates shown in Tables C.5.7-2a—e are national averages and account for effects of upstream and downstream emissions separately. However, they do not reflect localized variations in emissions, population characteristics, or exposure to pollutants. Most upstream emissions are released from elevated points (e.g., tall stacks at refineries and power plants) and disperse widely before reaching ground level. The population in a large geographic region could be affected, but pollutant concentrations generally would be relatively low at any one location. On the other hand, concentrations very near an upstream source that releases emissions at a relatively low elevation could be greater. The actual health impacts from human exposure at any particular location would vary with emissions, local meteorology and topography, and population characteristics.

Unlike most upstream emissions, downstream emissions occur across the roadway system and are released at or near ground level. Populations located near roadways could experience relatively greater pollutant levels because the short distance from the roadway allows less pollutant dispersion to occur. Populations located at greater distances from roadways would be larger than the populations near the roadways but would experience much lower pollutant levels. As with upstream emissions, the actual health effects from human exposure at any particular location would vary with emissions, local meteorology and topography, and population characteristics. Because of these variations, the actual change in health impacts per ton of emissions change could be larger or smaller at any particular location than the values in Tables C.5.7-2a—e.

APPENDIX D

Air Quality Nonattainment Area Results

Table D-1. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Particulate Matter (PM2.5), 2035

	NAAQS		General	Emission Changes by Alternative (tons per y				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.28	-0.74
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.43	0.63	1.67	5.05
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-0.34	-0.67	-1.74
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.05	-0.13
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.04
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.02	0.11
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02	0.06
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.13	0.20	0.47	1.34
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.20	-0.40	-1.03
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.15	-0.24	-0.46	-1.20
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.27	1.91	4.40	12.50
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03	-0.09
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.01	0.06
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.04	0.10	0.30
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.28	-0.43	-0.85	-2.22
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.27	0.40	0.93	2.64
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.09	0.13	0.30	0.86
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-1.42	-2.22	-4.37	-11.39

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c					
				No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.07	-1.67	-3.30	-8.59	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.03	-0.08	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.15	0.22	0.57	1.70	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.66	-1.04	-2.03	-5.27	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.67	-1.04	-2.04	-5.30	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	5.20	7.84	18.16	51.73	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.05	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.08	-0.15	-0.40	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	1.42	2.15	4.96	14.10	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	1.44	2.18	5.01	14.24	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.07	0.01	0.27	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-0.14	-0.28	-0.74	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.28	-0.56	-1.46	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	1.84	2.78	6.40	18.18	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01	0.03	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.14	-0.36	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03	-0.09	

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c					
				No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03	-0.09	
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.06	
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.79	1.19	2.78	7.96	
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.07	-0.15	-0.39	
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.02	0.07	0.26	
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.38	-0.60	-1.18	-3.09	
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.70	-1.10	-2.17	-5.67	
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	12.99	19.53	45.86	131.54	
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	5.61	8.39	20.22	58.71	
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.14	-0.36	
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.15	
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.13	-0.34	
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.13	0.19	0.49	1.46	
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.41	-0.65	-1.28	-3.32	
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.31	-0.49	-0.85	-2.02	
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.49	-0.77	-1.49	-3.83	
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-0.35	-0.69	-1.80	
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.16	0.21	0.80	2.71	
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.29	-0.46	-0.91	-2.36	
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.15	0.19	0.77	2.64	
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.18	0.25	0.87	2.89	

	NAAQS		General	Em	ission Change	on Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03		
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.21	-0.40	-1.04		
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.43	-0.68	-1.32	-3.42		
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.40	-0.63	-1.22	-3.16		
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05	-0.13		
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.90	5.90	13.58	38.61		
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.01		
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.26	0.39	0.89	2.53		
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.35	-0.69	-1.81		
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.18	-0.29	-0.56	-1.48		
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.57	-2.47	-4.67	-11.87		
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.53	-2.42	-4.57	-11.59		
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.20	-0.39	-1.03		
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	7.34	11.08	25.56	72.67		
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	1.26	1.85	4.77	14.26		
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.10	0.11	0.65	2.39		
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.09	0.31	1.58		
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.11	-0.02	0.25		
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.35	1.97	5.15	15.47		
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.33	0.49	1.16	3.32		
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.34	1.97	5.14	15.44		
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8 0.00 -0.06 -0.02 -0.02 0.14 38.74 0.00 2.50 6.67 7.81 14.13 -0.42 0.01 0.30 0.24 -0.01 -0.07 -0.02 -0.02 0.23	
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00	
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.01	-0.01	-0.02	-0.06	
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02	
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.04	0.14	
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	3.92	5.92	13.64	38.74	
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.25	0.38	0.88	2.50	
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.65	0.97	2.31	6.67	
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.79	1.19	2.75	7.81	
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.39	2.09	4.92	14.13	
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.16	-0.42	
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.01	
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.03	0.04	0.10	0.30	
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.02	0.03	0.08	0.24	
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07	
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.12	-0.32	
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.03	0.08	0.23	

	NAAQS		General Emission Changes by Alternative (tons per year)					year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.10
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.12	-0.19	-0.35	-0.89
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.03	-0.08
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.06
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.18	0.27	0.61	1.75
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.37	-0.58	-1.15	-3.02
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.37	-0.58	-1.16	-3.02
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	2.15	3.24	7.51	21.42
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.07	0.10	0.24	0.69
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.07	0.10	0.24	0.69
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.42	-0.83	-2.18
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.40	-0.79	-2.06
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	-0.02
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.02	0.07
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.02	0.05	0.14
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.02	0.02	0.06	0.17
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	15.54	23.38	54.78	156.99
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	15.57	23.43	54.88	157.23

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	· year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.77	1.16	2.68	7.61
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.03	-0.07
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.03	-0.07
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.04	1.56	3.60	10.23
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.09	-0.18	-0.47
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.09	-0.18	-0.47
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.05	-0.07	-0.14	-0.37
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.05	-0.07	-0.14	-0.37
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.06	-0.09	-0.17	-0.44
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.25	0.37	0.86	2.46
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.24	0.37	0.86	2.45
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.14	-0.22	-0.42	-1.10
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.02	-0.02	-0.05	-0.12
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.02	0.02	0.06	0.16
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.05	-0.13
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.12	-0.32
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.70	1.05	2.44	6.95
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.05	-0.13
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01	0.02
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.06	0.09	0.22	0.62

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.13	0.20	0.48	1.38
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	6.05	9.13	21.03	59.77
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	6.05	9.13	21.03	59.77
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.07
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03	-0.07
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.20	-0.31	-0.62	-1.61
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.25	-0.38	-0.76	-1.97
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.05	-0.13
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	3.82	5.77	13.34	37.96
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.06	-0.09	-0.17	-0.45
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.03	-0.08
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.86	5.83	13.45	38.25
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.03
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03	-0.08

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.05
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.12	-0.18	-0.36	-0.93
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.18	-0.36	-0.93
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.16	-0.42
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.49	-0.77	-1.49	-3.83
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.49	-0.77	-1.49	-3.83
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	1.44	2.18	5.01	14.24
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.10	-0.26
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	3.41	5.15	11.87	33.74
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02	0.06
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.10	-0.27
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.25	0.37	0.87	2.48
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	5.87	8.86	20.50	58.38
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	5.87	8.86	20.50	58.38
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	2.04	2.87	8.67	27.51
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	2.04	2.87	8.67	27.51
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	2.04	2.87	8.68	27.55
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	2.04	2.87	8.69	27.56

	NAAQS		General	Em	ission Chang	on Changes by Alternative (tons pe			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	2.04	2.87	8.68	27.54	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	2.04	2.87	8.68	27.54	
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.06	-0.09	-0.17	-0.45	
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.25	-0.38	-0.76	-1.98	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.07	-0.19	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	2.07	3.12	7.22	20.56	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.26	1.90	4.37	12.43	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.08	-0.21	
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.04	-0.12	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.06	-0.13	-0.33	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.12	-1.75	-3.45	-9.02	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.18	-0.35	-0.91	
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03	
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.05	0.08	0.19	0.53	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.07	-0.19	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.35	0.51	1.32	3.95	
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.27	0.39	1.08	3.32	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03	
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.03	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.05	-0.07	-0.14	-0.37
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.35	-0.54	-1.07	-2.79
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.16	-0.25	-0.49	-1.28
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.31	-0.48	-0.95	-2.48
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.55	0.79	2.23	6.91
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.57	0.82	2.31	7.12
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.15
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.16
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.16	-0.39
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.08
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.06
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.06
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.11	-0.30
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.03	0.08	0.22
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.07	-0.18

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.05	0.11	0.32
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.07	-0.18
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.07	-0.18
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.04
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.20	-0.32	-0.62	-1.63
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.08	0.12	0.28	0.80
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.25	-0.65
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.65	-1.07	-1.58	-3.24
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-2.04	-3.25	-5.86	-14.40
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.12	-3.37	-6.11	-15.05
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.04	-3.24	-5.85	-14.38
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.04
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.26	0.37	1.08	3.37
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.16
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.16
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.09	-0.24
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.04	-0.10

	NAAQS		General	Em	tive (tons per	er year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.03	-0.09
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.07	-0.17
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.03	-0.09
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.53	8.34	19.33	55.09
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.83	1.24	3.00	8.71
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	5.53	8.32	19.56	56.17
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	5.96	8.92	21.31	61.60
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	15.62	23.52	54.89	157.02
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.09	-1.70	-3.37	-8.81
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-1.12	-1.75	-3.46	-9.05
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.13	-1.77	-3.51	-9.16
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.07	0.17	0.47
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.09	-0.17	-0.44
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.09	0.20	0.58
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.14	-0.36
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.17	0.24	0.80	2.61

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.17	0.23	0.76	2.48
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.04
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.30	-0.47	-0.91	-2.36
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05	-0.14
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.06	-0.13	-0.33
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.20	0.30	0.77	2.28
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.46	-0.72	-1.42	-3.71
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.35	2.04	4.70	13.35
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.09	-0.14	-0.28	-0.73
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.19	-0.50
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.05
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.14	-0.21	-0.42	-1.10
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.14	-0.21	-0.42	-1.10
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.16	-0.25	-0.48	-1.27
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	2.06	2.90	8.74	27.70
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.91	1.37	3.16	8.97

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	0.12	0.28	0.80
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	8.21	12.39	28.68	81.71
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	8.00	12.06	28.04	80.05
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	8.00	12.06	28.04	80.05
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.28	0.41	1.14	3.49
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	8.02	12.08	28.09	80.18
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.09	-0.19	-0.49
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.64	0.97	2.26	6.45
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.24	0.34	1.01	3.19
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.42	0.62	1.57	4.67
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.42	0.62	1.57	4.66
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.42	-0.66	-1.25	-3.20
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	5.93	8.95	20.68	58.85
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.88	-1.38	-2.73	-7.12
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.88	-1.38	-2.72	-7.11
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.88	-1.38	-2.72	-7.10
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	6.80	10.18	24.33	70.40
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	6.80	10.18	24.34	70.42
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	6.80	10.17	24.33	70.37
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	6.92	10.36	24.70	71.37
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	13.18	19.86	46.24	132.11
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	13.18	19.86	46.24	132.11

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	13.18	19.86	46.24	132.11	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	13.18	19.86	46.24	132.11	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	13.18	19.86	46.24	132.11	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.38	0.57	1.31	3.71	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.38	0.57	1.31	3.71	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.04	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.05	0.11	0.31	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.04	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.07	-0.11	-0.22	-0.58	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.72	-1.12	-2.20	-5.71	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.05	-0.14	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.02	-0.03	-0.05	-0.13	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.20	0.30	0.77	2.28	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.01	0.02	0.06	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.25	-0.66	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.08	-0.13	-0.25	-0.66	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.09	-0.24
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.99	3.01	6.93	19.68
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.04	-0.10
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	1.08	1.62	3.83	11.02
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	1.89	2.82	6.84	19.89
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.60	0.86	2.34	7.14
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.18	0.28	0.64	1.84
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.14	0.22	0.51	1.46
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.14	-0.28	-0.72
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.06
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.19	-0.38	-1.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.25	-0.61
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.02	-0.05	-0.12
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.08	-0.21
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.35	0.53	1.22	3.47
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.16
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.26	0.39	0.89	2.53

	NAAQS		General	Em	Emission Changes by Alternative (tons per year			year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.19	-0.30	-0.59	-1.54
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.04	-0.10
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.26	0.39	0.89	2.55
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.24	0.36	0.82	2.34
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.32	0.47	1.16	3.39
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.12	-0.25	-0.64
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	5.88	8.87	20.52	58.45
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	5.88	8.87	20.53	58.46
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.04	-0.07	-0.18
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.04	-0.11
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.06
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.72	1.08	2.49	7.09
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.72	1.09	2.51	7.14
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.72	1.09	2.52	7.16
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.17	-0.27	-0.54	-1.40
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-1.37	-2.13	-4.22	-11.01

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.37	-2.14	-4.23	-11.05
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.06	-0.10	-0.19	-0.50
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.36	0.55	1.27	3.63
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.05	-0.13
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.77	1.17	2.68	7.62
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.20	-0.39	-1.02
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.17	-0.43
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.07	-0.20
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.07
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.13	-0.35
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.09	-0.23
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.14	-0.36

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO $_2$ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO $_2$ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-2. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Particulate Matter (PM2.5), 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.20	-0.47	-1.60
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.42	-0.55	0.19	1.89
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.46	-1.09	-3.70
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.09	-0.30
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.06	-0.18
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.16	-0.39	-0.60	-1.74
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01	0.04
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	0.01	0.31	1.26
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.29	-0.68	-2.28
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.08	-0.33	-0.78	-2.64
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.29	0.54	3.49	13.63
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.05	-0.18
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.05	-0.08	-0.21
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.01	0.08	0.31
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.14	-0.58	-1.38	-4.69
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	0.10	0.72	2.83
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.02	0.03	0.24	0.92
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.73	-3.00	-7.16	-24.20

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.56	-2.27	-5.42	-18.30
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.18
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-0.15	0.11	0.76
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.36	-1.44	-3.40	-11.45
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.36	-1.45	-3.42	-11.52
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.36	1.85	13.84	54.63
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.03	-0.11
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.12	-0.27	-0.90
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.34	0.57	3.88	15.19
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.33	0.61	3.97	15.52
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.58	-0.86	-2.48
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.20	-0.47	-1.60
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.38	-0.91	-3.09
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.43	0.78	5.07	19.81
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01	0.03
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.10	-0.23	-0.77
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.06	-0.19

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.06	-0.19
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.04	-0.13
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	0.20	1.99	7.99
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.10	-0.24	-0.83
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.05
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.11	-0.12	-0.30
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.19	-0.80	-1.91	-6.48
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.36	-1.48	-3.55	-12.01
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-4.32	2.56	31.79	128.81
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-2.63	-0.61	11.40	49.23
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.10	-0.23	-0.77
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.32
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.22	-0.74
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.12	0.11	0.71
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.22	-0.88	-2.10	-7.10
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.34	-1.05	-2.09	-6.73
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.30	-1.15	-2.64	-8.82
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.47	-1.12	-3.80
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.49	-0.95	-0.94	-2.05
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.15	-0.61	-1.47	-4.99
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.50	-1.00	-1.03	-2.35
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.48	-0.90	-0.83	-1.68

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	er year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07	
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.31	-0.71	-2.38	
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.25	-0.97	-2.26	-7.60	
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.23	-0.90	-2.10	-7.04	
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.29	
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.92	1.62	10.71	41.89	
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.01	
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	0.11	0.71	2.76	
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.47	-1.13	-3.81	
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.38	-0.92	-3.11	
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.11	-3.99	-8.84	-29.29	
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.09	-3.92	-8.67	-28.70	
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.26	-0.64	-2.15	
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.77	2.96	20.02	78.42	
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.04	-1.15	1.18	7.25	
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.59	-1.25	-1.49	-3.77	
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.74	-1.69	-2.36	-6.57	
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.31	-0.76	-1.16	-3.36	
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.19	-1.41	1.02	7.11	
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.11	0.05	0.78	3.19	
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.19	-1.42	1.00	7.05	
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Dane County: Madison sub-city area, WI Delaware County, PA Denver Metro/North Front Range, CO Denver-Boulder, CO Denver-Boulder-Greeley-Ft. Collins-Loveland, CO Detroit, MI Detroit, MI Detroit, MI Detroit-Ann Arbor, MI Doña Ana County;	8-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2012 Annual) Ozone (2015 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) PM2.5 (2010 1-hour) PM2.5 (2006 24-hour) PM10 (1987	Moderate Maintenance, Primary Maintenance, Moderate Nonattainment, Moderate Maintenance, Serious Nonattainment, Severe 15 Maintenance, Not Classified Nonattainment, Marginal Nonattainment, Maintenance, Former Subpart 1 Nonattainment,	100 100 100 100 25 100 100 100 100	0 0 0 0 0 0	-0.06 -1.77 -1.04 -0.59 -0.74 -0.31 -1.19 -0.11 -1.19	-0.26 2.96 -1.15 -1.25 -1.69 -0.76 -1.41 0.05 -1.42	-0.64 20.02 1.18 -1.49 -2.36 -1.16 1.02 0.78 1.00	-2.15 78.42 7.25 -3.77 -6.57 -3.36 7.11 3.19 7.05	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.04	-0.12
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.06
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.01	-0.04
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.04	-0.09
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.91	1.66	10.80	42.18
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.06	0.10	0.69	2.69
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.27	0.01	1.42	5.97
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	0.31	2.15	8.41
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.48	0.24	3.36	13.69
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.11	-0.28	-0.93
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.01	0.04	0.18
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.04	-0.02	-0.01
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.05	-0.18
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.09	-0.22	-0.73
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.00	0.05	0.22

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.06	-0.21
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.32	-0.70	-2.31
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.17
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.04	-0.14
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	0.07	0.49	1.90
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.19	-0.78	-1.87	-6.34
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.19	-0.78	-1.88	-6.35
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.58	0.73	5.68	22.46
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	0.02	0.18	0.72
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	0.02	0.18	0.72
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.56	-1.36	-4.58
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.54	-1.29	-4.38
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.01	-0.01	-0.04
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.04
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.02	0.06
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.00	0.03	0.12
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.04	0.17
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-5.02	3.39	38.48	155.32
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-4.99	3.49	38.69	156.01

	NAAQS		General	General Emission Changes by Alternative (tons per ye				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.18	0.33	2.12	8.29
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.04	-0.14
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.05	-0.15
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.24	0.44	2.85	11.14
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.12	-0.29	-0.99
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.12	-0.29	-0.98
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.24	-0.81
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.24	-0.81
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.03	-0.12	-0.28	-0.94
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	0.09	0.66	2.59
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	0.07	0.63	2.51
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.07	-0.29	-0.70	-2.35
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.03	-0.07	-0.25
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.01	0.05	0.18
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.09	-0.29
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.21	-0.70
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.19	0.24	1.84	7.29
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.08	-0.29
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	0.01	0.14	0.58

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	0.01	0.31	1.27
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.14
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.42	2.53	16.63	64.99
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-1.42	2.53	16.63	64.99
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.06	-0.19
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.06	-0.19
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.07	-0.22
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.10	-0.42	-1.01	-3.40
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.51	-1.23	-4.17
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.08	-0.28
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.97	1.44	10.29	40.48
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.12	-0.28	-0.95
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.16
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.95	1.52	10.48	41.10
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.05	-0.17

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.10
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.25	-0.60	-2.01
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.25	-0.60	-2.01
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.11	-0.28	-0.93
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.30	-1.15	-2.64	-8.83
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.30	-1.15	-2.64	-8.82
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.12
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.33	0.61	3.97	15.51
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.07	-0.16	-0.54
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.82	1.38	9.31	36.45
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01	0.04
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.07	-0.17	-0.56
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	0.07	0.63	2.53
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.07	-0.23
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.50	2.17	15.77	62.11
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-1.50	2.17	15.77	62.11
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.48	-5.96	-3.70	-3.69
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-3.48	-5.96	-3.70	-3.69
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-3.48	-5.95	-3.69	-3.65
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-3.48	-5.95	-3.68	-3.62

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.48	-5.95	-3.69	-3.66
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-3.48	-5.95	-3.69	-3.66
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.12	-0.29	-0.97
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.12	-0.51	-1.23	-4.16
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.12	-0.41
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.53	0.75	5.53	21.78
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.30	0.51	3.43	13.44
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.13	-0.45
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.03	-0.07	-0.25
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.09	-0.21	-0.70
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.56	-2.34	-5.63	-19.05
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.24	-0.58	-1.94
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	0.02	0.14	0.55
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.13	-0.42
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.29	-0.34	0.30	1.92
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.34	-0.51	-0.10	0.57
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.08
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.07

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	PC6LT8 -0.78 -5.88 -2.69 -5.21 0.73 1.19 -0.35 -0.36 -1.03 -0.26 0.00 -0.09 -0.01 -0.14 -0.03 -0.08 -0.08 -0.08	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.10	-0.23	-0.78	
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.17	-0.72	-1.74	-5.88	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.33	-0.80	-2.69	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.15	-0.64	-1.54	-5.21	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.74	-1.15	-0.37	0.73	
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.72	-1.09	-0.23	1.19	
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.35	
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.11	-0.36	
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.14	-0.31	-1.03	
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.08	-0.26	
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.09	
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.04	-0.14	
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.03	
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.03	
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.08	
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.08	
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.04	-0.13	
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.08	-0.19	-0.64	
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.01	0.06	0.23	
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.11	-0.38	

	NAAQS		General	Em	Emission Changes by Alternative (tons p				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.04	
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.01	0.09	0.34	
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.05	-0.11	-0.37	
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.05	-0.11	-0.37	
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.09	
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-0.42	-1.01	-3.43	
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary	100	0	-0.02	0.03	0.22	0.86	
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.17	-0.40	-1.36	
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.14	-3.19	-5.75	-17.87	
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.86	-6.14	-12.79	-41.65	
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.89	-6.29	-13.17	-42.92	
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.86	-6.14	-12.79	-41.64	
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.11	
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.39	-0.63	-0.29	0.01	
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.33	
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.33	
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.14	
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.06	-0.15	-0.51	
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.03	-0.06	-0.21	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.06	-0.19
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.12	-0.40
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.06	-0.20
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.47	1.93	14.68	57.99
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.40	-0.11	1.67	7.24
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.90	0.96	13.36	54.37
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.50	0.01	13.00	54.73
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-4.73	4.11	39.63	158.73
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.55	-2.28	-5.49	-18.58
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.56	-2.34	-5.64	-19.09
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.57	-2.37	-5.71	-19.33
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.02	0.13	0.50
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.16
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.12	-0.29	-0.97
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	0.01	0.14	0.57
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.12	-0.27	-0.89
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.41	-0.75	-0.64	-1.21

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.37	-0.68	-0.56	-0.99
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.03	-0.09
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.17	-0.67	-1.56	-5.24
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.31
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.09	-0.21	-0.71
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.16	-0.16	0.23	1.27
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-0.96	-2.30	-7.79
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.31	0.57	3.73	14.55
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.05	-0.19	-0.46	-1.55
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.13	-0.32	-1.09
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	-0.11
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.07	-0.28	-0.68	-2.31
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.07	-0.28	-0.68	-2.31
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.33	-0.78	-2.65
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.47	-5.91	-3.59	-3.33
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	0.37	2.48	9.70

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	0.03	0.22	0.87
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.14	2.94	21.90	86.38
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-2.27	2.46	20.79	82.65
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-2.27	2.46	20.79	82.65
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.34	-0.51	-0.07	0.70
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.26	2.49	20.85	82.88
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.13	-0.31	-1.05
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.19	0.18	1.64	6.56
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.40	-0.68	-0.43	-0.46
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.30	-0.28	0.53	2.80
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.30	-0.29	0.53	2.80
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.27	-1.01	-2.29	-7.61
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.47	2.31	16.09	63.18
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.45	-1.84	-4.43	-14.99
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.45	-1.84	-4.43	-14.97
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.45	-1.84	-4.43	-14.97
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.89	-0.09	14.69	62.07
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.89	-0.09	14.70	62.10
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.89	-0.10	14.68	62.02
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.84	0.12	15.23	63.91
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.83	3.85	33.96	135.38
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-3.83	3.85	33.96	135.38

	NAAQS		General	Em	ission Change	es by Alterna	PC3LT5 PC6LT8 33.96 135.38 33.96 135.38 1.03 4.03 1.03 4.03				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-3.83	3.85	33.96	135.38			
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.83	3.85	33.96	135.38			
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-3.83	3.85	33.96	135.38			
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	0.15	1.03	4.03			
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.09	0.15	1.03	4.03			
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.08			
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.01	0.08	0.31			
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00			
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.11			
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.15	-0.36	-1.22			
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.40	-1.58	-3.73	-12.55			
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.09	-0.31			
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05			
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.03	-0.08	-0.28			
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00			
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10			
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.14			
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.05			
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.16	0.23	1.27			
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01	0.05			
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.18	-0.43	-1.44			
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.18	-0.42	-1.43			

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.06	-0.15	-0.52
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.47	0.83	5.47	21.38
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.03	-0.07	-0.23
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.04
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.39	0.13	2.53	10.40
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.93	-0.30	3.72	16.25
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.65	-0.90	0.08	2.12
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	0.06	0.48	1.90
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	0.02	0.34	1.39
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.20	-0.48	-1.60
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.04	-0.13
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.26	-0.62	-2.10
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.26	-0.55	-1.78
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.08
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.08	-0.28
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.14	-0.46
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.08	0.15	0.97	3.78
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.10	-0.35
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	0.11	0.71	2.76

	NAAQS		Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-0.41	-0.98	-3.31
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.07	-0.23
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	0.09	0.67	2.66
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.06	0.09	0.64	2.50
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.11	0.53	2.48
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.17	-0.41	-1.37
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.51	2.16	15.75	62.05
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-1.51	2.16	15.76	62.06
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.07	-0.14	-0.47
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.07	-0.23
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.02	-0.04	-0.12
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.17	0.30	1.98	7.72
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.17	0.30	1.99	7.76
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.17	0.30	1.99	7.78
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.36	-0.87	-2.95
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.69	-2.85	-6.85	-23.17

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.69	-2.85	-6.86	-23.22
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.03	-0.13	-0.32	-1.10
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	0.13	0.97	3.84
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.09	-0.29
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.18	0.33	2.13	8.31
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.26	-0.63	-2.14
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.12	-0.28	-0.94
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.13	-0.43
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.04	-0.15
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.22	-0.74
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.15	-0.50
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.23	-0.78

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-3. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Sulfur Oxides (SO₂), 2035

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.12	-0.24	-0.66
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	5.33	8.13	18.35	51.77
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.17	-0.27	-0.56	-1.53
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.04	0.11
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.16	0.24	0.54	1.52
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	1.81	2.77	6.26	17.67
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.17	0.25	0.57	1.61
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.67	2.55	5.73	16.14
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.16	-0.32	-0.88
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.11	-0.18	-0.38	-1.03
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	55.97	85.67	192.39	541.50
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.03	-0.07
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.03	0.05	0.11	0.32
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.07	0.16	0.44
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.21	-0.34	-0.71	-1.92
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.51	0.78	1.75	4.93
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.38	0.58	1.30	3.66
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-1.12	-1.79	-3.69	-10.04

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.85	-1.36	-2.80	-7.63
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.07
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.88	1.34	3.04	8.60
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	0.10	0.23	0.65
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	2.01	3.03	6.96	19.77
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	1.99	3.01	6.93	19.66
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	27.88	42.67	95.86	269.87
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	0.08	0.18	0.50
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.04
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.14	-0.39
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	31.97	48.94	109.91	309.36
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	31.99	48.96	109.96	309.49
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.97	2.99	6.80	19.22
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.12	-0.24	-0.66
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.21	-0.42	-1.15
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	7.03	10.77	24.18	68.05
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.40	0.62	1.38	3.89
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.01
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.06	-0.12	-0.32
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.03	-0.08

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.03	-0.08
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.05
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	5.02	7.68	17.27	48.62
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.04	-0.06	-0.12	-0.33
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.05	-0.09	-0.24
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.30	-0.47	-0.98	-2.67
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.55	-0.88	-1.81	-4.93
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	73.10	111.81	251.48	708.23
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	35.89	54.84	123.55	348.17
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.06	-0.12	-0.32
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.05	-0.13
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.11	-0.31
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	9.48	14.51	32.61	91.80
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.33	-0.52	-1.08	-2.93
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	9.15	13.98	31.51	88.82
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.41	-0.66	-1.36	-3.71
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.11	0.15	0.39	1.15
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	4.23	6.44	14.60	41.24
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.09	0.12	0.33	0.99
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	4.41	6.71	15.22	42.98
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	4.24	6.46	14.63	41.32

NAAOS		General	Emi	Emission Changes by Alternative (tons per year				
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02	
CO (1971 8- nour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.18	-0.38	-1.04	
Ozone (2008 3-hour)	Maintenance, Marginal	10	0	-0.01	-0.04	0.01	0.15	
Ozone (2015 3-hour)	Maintenance, Marginal	10	0	-0.09	-0.16	-0.27	-0.65	
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.09	
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	14.87	22.76	51.12	143.88	
5O₂ (1971 24- nour/Annual)	Maintenance, Primary	100	0	0.04	0.06	0.14	0.38	
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.96	1.47	3.30	9.30	
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.11	0.15	0.39	1.15	
5O₂ (1971 24- nour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.02	-0.02	
Ozone (2008 3-hour)	Nonattainment, Severe 15	25	0	-0.63	-1.07	-1.95	-5.00	
Ozone (2015 3-hour)	Nonattainment, Moderate	100	0	-0.60	-1.02	-1.86	-4.76	
5O₂ (1971 24- nour/Annual)	Maintenance, Primary	100	0	-0.10	-0.16	-0.33	-0.89	
PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	28.40	43.46	97.63	274.80	
Ozone (2015 3-hour)	Nonattainment, Moderate	100	0	15.88	24.25	54.69	154.18	
CO (1971 8- nour)	Maintenance, Serious	100	0	5.07	7.72	17.50	49.45	
Ozone (2008 3-hour)	Nonattainment, Severe 15	25	0	5.15	7.83	17.82	50.39	
CO (1971 8- nour)	Maintenance, Not Classified	100	0	7.09	10.84	24.43	68.87	
Ozone (2015 3-hour)	Nonattainment, Marginal	100	0	43.35	66.30	149.15	420.09	
5O ₂ (2010 1- nour)	Nonattainment,	100	0	7.38	11.29	25.36	71.40	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	43.35	66.30	149.15	420.07	
PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
	(Standard) M10 (1987 4-hour) 20 (1971 8- 20 (1971 8- 20 (2008 2-hour) M10 (1987 4-hour) M2 (1971 24- 20 (1971 24- 2	Pollutant (Standard) M10 (1987 A-hour) O (1971 8-Dour) Zone (2008 Maintenance, Marginal M10 (1987 Maintenance, Marginal M10 (1987 Maintenance, Moderate M10 (1987 Maintenance, Primary M10 (1987 Maintenance, Moderate M10 (1987 Maintenance, Moderate M10 (1987 Maintenance, Primary Moderate Dour/Annual) Zone (2008 Nonattainment, Moderate Dour/Annual) M10 (1971 24-Dour/Annual) M10 (1971 25-Dour/Annual) M10 (1971 8-Dour/Annual) M10 (1971 8-Dour/Annual) M10 (1971 8-Dour) M10 (1971 8-Dour	Pollutant (Standard) Classificationa	NAACS Pollutant Status, Severity Classification Conformity Threshold Nonattainment, Moderate 100 0 0 0 0 0 0 0 0	Note	No. Pollutant Status, Severity Conformity No. Threshold No. Pollutant No. No	No. PCILT3 PCILT5 PCILT5 PCILT5 PCILT5 PCILT5	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.01	-0.01	-0.02	-0.05
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.80	1.22	2.75	7.76
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	14.88	22.78	51.15	143.98
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.96	1.47	3.29	9.27
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	2.94	4.49	10.13	28.55
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.04	4.65	10.44	29.40
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	5.93	9.07	20.40	57.48
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.06	-0.13	-0.36
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.05	0.10	0.29
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.32	0.49	1.10	3.09
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.31	0.48	1.08	3.03
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.11
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.37	0.57	1.28	3.59

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.15	-0.30	-0.81
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.07
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.05
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.59	0.90	2.02	5.68
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.29	-0.46	-0.95	-2.58
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.29	-0.46	-0.95	-2.58
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	16.53	25.30	56.84	160.01
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.90	1.38	3.09	8.70
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.90	1.38	3.09	8.70
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.20	-0.32	-0.65	-1.76
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.32	-0.65	-1.77
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	-0.02
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.06	0.13	0.38
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.07	0.10	0.23	0.65
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.07	0.11	0.24	0.67
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	222.67	340.75	765.64	2,155.41
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	222.60	340.64	765.39	2,154.69

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	r year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	29.28	44.83	100.67	283.33	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.06	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.06	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	7.16	10.97	24.63	69.31	
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.07	-0.15	-0.41	
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.07	-0.15	-0.41	
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.12	-0.32	
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.12	-0.32	
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.14	-0.38	
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.95	1.46	3.28	9.24	
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.85	1.30	2.92	8.21	
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.11	-0.17	-0.36	-0.98	
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.02	-0.04	-0.11	
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.02	0.04	0.10	
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.04	-0.12	
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.10	-0.27	
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	11.82	18.09	40.64	114.40	
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.04	-0.11	
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.40	0.61	1.38	3.89	
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.89	1.37	3.07	8.64	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.51	0.78	1.75	4.93
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	68.28	104.51	234.71	660.60
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	68.28	104.51	234.71	660.60
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.01
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.02
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.16	-0.25	-0.51	-1.40
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.23	-0.47	-1.26
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	14.82	22.68	50.95	143.43
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.07	0.11	0.25	0.73
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.06
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	14.84	22.72	51.03	143.64
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.07

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.04
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.09	-0.14	-0.29	-0.79
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.29	-0.79
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.13	-0.37
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.41	-0.66	-1.37	-3.71
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.41	-0.66	-1.36	-3.71
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	31.99	48.96	109.96	309.48
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.22
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	22.31	34.14	76.68	215.83
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.17	0.25	0.57	1.61
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.07	-0.19
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.44	0.68	1.53	4.31
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.02	0.04	0.12
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	68.14	104.30	234.27	659.41
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	68.14	104.30	234.27	659.41
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	65.39	99.87	225.19	634.79
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	65.39	99.87	225.19	634.79
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	65.41	99.91	225.27	635.01
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	65.41	99.91	225.27	635.03

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	65.41	99.91	225.26	635.01
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	65.41	99.91	225.26	635.01
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.07	-0.15	-0.41
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.19	-0.30	-0.63	-1.71
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.17
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	30.20	46.23	103.83	292.26
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	55.96	85.66	192.36	541.42
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.07	-0.18
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.04	-0.10
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.05	-0.11	-0.29
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.87	-1.39	-2.86	-7.79
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.14	-0.30	-0.81
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	1.49	2.29	5.13	14.45
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.17
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.88	2.86	6.50	18.36
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	1.82	2.77	6.30	17.81
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.06	-0.12	-0.32
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.27	-0.43	-0.89	-2.42
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.20	-0.41	-1.11
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.38	-0.79	-2.14
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	27.33	41.78	94.02	264.82
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	27.35	41.82	94.08	265.00
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.05	-0.13
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.05	-0.13
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.13	-0.34
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.05	0.14
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.05
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.03
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.05
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.08	-0.23
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.25	0.38	0.86	2.42
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.16

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.01
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.35	0.53	1.19	3.34
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.06	-0.15
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.06	-0.16
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-0.25	-0.52	-1.41
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.96	1.46	3.29	9.25
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.21	-0.56
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	1.08	1.57	3.91	11.43
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.04	-0.11	0.45	2.03
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.25	0.16	1.24
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.03	-0.13	0.42	1.95
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	24.22	37.04	83.29	234.52
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.05	-0.13
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.05	-0.13
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.04	-0.07	-0.20
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.03	-0.09

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.07
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.01
Peoria, IL	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.06	0.15	0.42
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.08
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	10.00	15.29	34.39	96.84
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.43	2.18	4.95	14.00
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	26.19	40.05	90.12	253.86
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	27.31	41.72	94.03	265.03
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	90.46	138.39	311.11	876.01
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.85	-1.35	-2.80	-7.61
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.87	-1.39	-2.87	-7.82
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.88	-1.41	-2.91	-7.91
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.20	0.30	0.68	1.91
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.07
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.06	-0.13	-0.36
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.07	0.17	0.48
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.12	0.19	0.43	1.24
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	3.88	5.91	13.38	37.78

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	3.73	5.68	12.86	36.31
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.04
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.23	-0.44	-1.16
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.12
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.05	-0.11	-0.29
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	19.22	29.41	66.07	185.99
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.36	-0.57	-1.18	-3.21
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	27.94	42.76	96.03	270.27
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.06	-0.12	-0.32
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.16	-0.43
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.04
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.11	-0.17	-0.35	-0.95
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.11	-0.17	-0.35	-0.95
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.12	-0.20	-0.40	-1.10
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	65.42	99.93	225.31	635.14
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	5.95	9.11	20.47	57.61

	NAAOS		0	Emission Changes by Alternative (tons per year) ^c				· year) ^c
Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.11	0.17	0.39	1.09
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	102.11	156.29	351.05	988.13
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	101.93	156.00	350.44	986.48
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	101.93	156.00	350.44	986.48
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.54	5.40	12.22	34.47
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	101.94	156.01	350.48	986.59
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.16	-0.42
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	24.51	37.51	84.25	237.15
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	24.20	37.02	83.23	234.37
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	24.34	37.24	83.69	235.60
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	24.34	37.24	83.68	235.60
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	4.13	6.30	14.25	40.24
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	68.18	104.36	234.40	659.76
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.68	-1.09	-2.26	-6.15
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.68	-1.09	-2.26	-6.14
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.68	-1.09	-2.25	-6.13
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	100.99	154.50	347.35	978.06
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	100.99	154.50	347.35	978.08
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	100.99	154.49	347.34	978.04
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	101.07	154.62	347.61	978.77
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	172.77	264.40	593.99	1,672.08
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	172.77	264.40	593.99	1,672.08

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	172.77	264.40	593.99	1,672.08	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	172.77	264.40	593.99	1,672.08	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	172.77	264.40	593.99	1,672.08	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	7.79	11.93	26.78	75.38	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	7.79	11.93	26.78	75.38	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.83	2.80	6.30	17.72	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.09	-0.18	-0.50	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.40	-0.65	-1.28	-3.43	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.05	-0.12	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.02	-0.04	-0.11	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	19.22	29.41	66.07	185.99	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.03	0.05	0.11	0.30	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.19	-0.51	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.09	-0.19	-0.51	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.08	-0.21	
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	23.90	36.58	82.16	231.24	
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.03	-0.09	
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.01	
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	55.82	85.44	191.91	540.19	
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	111.96	171.35	384.94	1,083.60	
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	55.72	85.25	191.60	539.44	
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	3.04	4.65	10.45	29.41	
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	3.24	4.96	11.14	31.35	
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.21	-0.56	
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.05	
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.15	-0.31	-0.83	
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.09	0.14	0.34	0.98	
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03	
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.05	
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.18	
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.03	0.08	
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	19.33	29.59	66.45	187.02	
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.05	-0.14	
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.96	1.47	3.30	9.30	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.24	-0.49	-1.33	
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.04	-0.10	
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00	
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.14	1.74	3.91	11.01	
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	13.87	21.24	47.70	134.24	
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	19.26	29.48	66.23	186.45	
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.09	-0.19	-0.51	
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	68.42	104.72	235.22	662.10	
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	68.42	104.72	235.22	662.10	
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01	0.04	
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.02	0.05	0.14	
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00	
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.04	-0.10	
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.05	
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	11.54	17.66	39.67	111.65	
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	11.54	17.66	39.67	111.64	
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	11.54	17.66	39.66	111.64	
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.22	-0.45	-1.21	
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-1.06	-1.70	-3.51	-9.55	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	· year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.06	-1.70	-3.51	-9.56
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.05	-0.08	-0.16	-0.44
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	7.40	11.33	25.45	71.64
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.12
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	27.29	41.78	93.82	264.05
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.16	-0.32	-0.88
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.14	-0.38
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.17
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.06
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.11	-0.30
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.07	-0.20
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.11	-0.31

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-4. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Sulfur Oxides (SO₂), 2050

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.09	-0.29	-0.91
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.83	2.65	13.93	52.39
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.22	-0.65	-2.10
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	0.01	0.07
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	0.08	0.41	1.53
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.30	0.86	4.68	17.71
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	0.09	0.44	1.66
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.24	0.89	4.46	16.60
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.13	-0.39	-1.23
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.15	-0.45	-1.44
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-7.75	30.44	150.41	558.75
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.10
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	0.00	0.05	0.25
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.02	0.12	0.45
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.27	-0.82	-2.63
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	0.27	1.37	5.08
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.05	0.21	1.02	3.78
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.14	-1.41	-4.27	-13.72

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-1.07	-3.24	-10.41
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.10
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	0.41	2.25	8.55
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	0.04	0.18	0.67
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.42	0.70	4.78	18.78
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.42	0.70	4.74	18.66
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-3.90	15.04	74.74	277.96
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.03	0.14	0.51
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.06
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.17	-0.53
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.43	17.38	85.91	319.16
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-4.43	17.40	85.96	319.34
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.34	0.88	4.99	19.04
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.09	-0.28	-0.91
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.17	-0.51	-1.61
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.97	3.82	18.90	70.21
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	0.22	1.08	4.01
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.14	-0.44
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.10

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.10
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.07
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.71	2.68	13.42	49.97
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.05	-0.14	-0.46
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.06	-0.14	-0.42
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.37	-1.13	-3.64
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.07	-0.69	-2.10	-6.76
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.49	38.77	194.89	726.64
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-5.34	18.52	94.86	355.06
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.14	-0.44
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06	-0.18
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.13	-0.42
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.33	5.10	25.39	94.46
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.41	-1.25	-4.01
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.38	4.67	24.10	90.36
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.06	-0.54	-1.62	-5.18
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.07	0.09	0.67
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.71	1.96	10.83	41.13
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.07	-0.12	-0.03	0.34
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.74	2.04	11.28	42.86
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.71	1.98	10.87	41.26

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.15	-0.45	-1.43
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.10	-0.27	-0.44	-0.94
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.08	-0.29	-0.63	-1.70
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.06	8.07	39.94	148.41
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	0.02	0.11	0.39
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	0.52	2.58	9.60
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.07	0.09	0.66
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.11	-0.19	-0.44
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.33	-1.45	-3.44	-9.81
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.32	-1.42	-3.34	-9.49
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.12	-0.38	-1.21
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-3.95	15.39	76.23	283.33
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.41	8.07	41.78	156.73
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.86	2.32	12.93	49.20
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.92	2.24	12.96	49.66
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.07	3.61	18.67	70.03
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-6.25	22.92	115.46	430.70
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.03	3.98	19.78	73.55
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.25	22.91	115.45	430.67
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Emission Changes by Alternative (tons per year) ^c			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.02	-0.07
Douglas (Cochise County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	0.42	2.12	7.93
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.06	8.09	39.99	148.55
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.13	0.52	2.57	9.56
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.44	1.51	7.77	29.08
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.42	1.65	8.15	30.30
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.86	3.11	15.75	58.82
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.16	-0.52
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.08	0.30
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.05	0.16	0.83	3.12
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.05	0.15	0.80	3.02
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.22
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	0.20	0.99	3.70

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	-0.12
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.14	-0.40	-1.24
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.09
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.08
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	0.32	1.58	5.85
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.36	-1.10	-3.53
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.04	-0.36	-1.10	-3.54
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.31	8.93	44.33	164.85
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	0.49	2.41	8.97
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.12	0.49	2.41	8.97
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.26	-0.77	-2.45
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.25	-0.76	-2.43
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	-0.02
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.02	0.10	0.38
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.03	0.18	0.66
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.04	0.18	0.69
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-31.22	120.03	596.72	2,219.57
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-31.20	120.02	596.57	2,218.94

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.05	15.93	78.70	292.35
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.03	-0.08
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03	-0.08
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.99	3.89	19.25	71.51
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.17	-0.55
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.17	-0.55
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.14	-0.45
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.14	-0.45
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.05	-0.16	-0.53
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	0.51	2.56	9.51
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.12	0.45	2.26	8.43
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.14	-0.42	-1.34
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	-0.01	-0.04	-0.14
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.01	0.03	0.11
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05	-0.17
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.12	-0.39
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.64	6.41	31.74	117.96
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05	-0.16
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	0.22	1.08	4.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	0.48	2.39	8.89

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	0.26	1.34	5.02
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-9.45	37.12	183.47	681.61
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-9.45	37.12	183.47	681.61
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.05
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.01
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.01
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.20	-0.59	-1.91
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.22	-0.60	-1.88
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.16
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.07	8.00	39.73	147.74
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	0.01	0.14	0.62
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.08
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.07	8.03	39.82	148.05
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.10

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06	
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.11	-0.34	-1.09	
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.11	-0.34	-1.09	
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.16	-0.52	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.54	-1.62	-5.19	
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.54	-1.62	-5.18	
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-4.43	17.40	85.96	319.34	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.03	-0.09	-0.30	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.10	12.11	59.91	222.61	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	0.09	0.44	1.66	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.09	-0.28	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	0.23	1.18	4.40	
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.02	0.09	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-9.47	36.96	182.98	680.01	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-9.47	36.96	182.98	680.01	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-9.90	33.28	172.08	645.35	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-9.90	33.28	172.08	645.35	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-9.90	33.29	172.14	645.58	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-9.90	33.29	172.15	645.59	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-9.90	33.29	172.14	645.57
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-9.90	33.29	172.14	645.57
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.06	-0.17	-0.55
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.24	-0.73	-2.34
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.07	-0.23
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.20	16.38	81.10	301.39
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.75	30.43	150.37	558.63
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.08	-0.25
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04	-0.14
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.04	-0.12	-0.39
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.11	-1.09	-3.33	-10.69
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.11	-0.34	-1.11
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.21	0.81	4.01	14.90
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.07	-0.24
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.32	0.86	4.80	18.27
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.33	0.78	4.56	17.50
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.04

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.14	-0.44
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.34	-1.03	-3.30
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.15	-0.47	-1.51
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.30	-0.91	-2.92
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.95	14.40	72.70	271.31
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.95	14.43	72.78	271.57
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06	-0.19
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06	-0.20
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.17	-0.53
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.00	0.03	0.13
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.08
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.04
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.07
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.10	-0.33
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	0.14	0.67	2.49
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.07	-0.22

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	0.19	0.93	3.45
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.07	-0.21
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.07	-0.21
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.20	-0.60	-1.93
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	0.52	2.57	9.54
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.24	-0.76
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.51	-0.38	1.37	7.71
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.66	-1.74	-2.69	-5.29
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.66	-1.82	-2.98	-6.26
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.66	-1.75	-2.72	-5.38
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.44	12.92	64.68	240.93
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06	-0.19
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06	-0.19
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.09	-0.28
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04	-0.12

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	-0.10
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.01
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	0.01	0.09	0.38
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.11
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.44	5.30	26.64	99.35
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.26	0.63	3.61	13.80
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.80	13.78	69.65	259.99
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-4.09	14.01	72.06	269.93
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-12.83	48.35	241.77	900.37
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.11	-1.07	-3.25	-10.44
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.11	-1.10	-3.33	-10.71
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-1.11	-3.37	-10.84
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	0.11	0.53	1.97
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.09
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.05	-0.16	-0.52
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.02	0.13	0.48
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	0.03	0.28	1.14
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.64	1.83	9.99	37.83

	NAAQS		General	Emission Changes by Alternative (tons per year			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.61	1.78	9.62	36.41
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.05
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.26	-0.66	-1.97
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.17
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.04	-0.12	-0.40
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-2.69	10.37	51.51	191.56
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.45	-1.36	-4.38
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.87	15.19	75.07	278.88
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.07	-0.18	-0.54
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.19	-0.61
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.06
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.13	-0.40	-1.30
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.13	-0.40	-1.30
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.15	-0.46	-1.49
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-9.90	33.31	172.20	645.75
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.83	3.23	15.99	59.42

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	0.06	0.30	1.12
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-14.20	55.35	274.13	1,018.84
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-14.22	55.12	273.43	1,016.59
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-14.22	55.12	273.43	1,016.59
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.57	1.72	9.18	34.68
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-14.22	55.14	273.47	1,016.72
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.18	-0.59
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.40	13.30	65.81	244.57
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.45	12.90	64.60	240.67
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.43	13.08	65.16	242.46
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-3.43	13.08	65.16	242.46
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.68	1.97	10.66	40.35
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-9.47	37.01	183.15	680.56
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.09	-0.86	-2.62	-8.40
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.09	-0.86	-2.61	-8.39
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.86	-2.61	-8.39
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-14.35	53.93	269.83	1,005.03
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-14.35	53.93	269.84	1,005.05
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-14.35	53.93	269.82	1,005.01
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-14.34	54.03	270.12	1,005.97
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-24.13	93.37	463.36	1,722.87
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-24.13	93.37	463.36	1,722.87

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-24.13	93.37	463.36	1,722.87	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-24.13	93.37	463.36	1,722.87	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-24.13	93.37	463.36	1,722.87	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.08	4.24	20.94	77.78	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.08	4.24	20.94	77.78	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.25	0.99	4.92	18.28	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.06	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.07	-0.21	-0.69	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.10	-0.64	-1.75	-5.36	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.17	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.05	-0.16	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.69	10.37	51.51	191.56	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.02	0.08	0.30	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.23	-0.74	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.08	-0.23	-0.73	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.09	-0.29
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.31	12.99	64.23	238.60
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04	-0.12
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.77	30.25	149.84	556.93
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-15.63	60.52	300.31	1,116.57
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-7.86	29.92	149.13	555.01
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.42	1.65	8.15	30.31
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.45	1.75	8.68	32.30
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.09	-0.26	-0.81
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.07
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.12	-0.36	-1.14
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.02	0.13	0.69
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02	-0.05
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	-0.10
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.08	-0.26
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.02	0.09
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-2.68	10.51	51.95	192.97
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06	-0.19
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.13	0.52	2.58	9.60

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.19	-0.58	-1.86
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	-0.13
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	0.61	3.04	11.32
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.92	7.54	37.28	138.50
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.70	10.39	51.64	192.04
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.08	-0.23	-0.73
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-9.51	37.10	183.70	682.71
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-9.51	37.10	183.70	682.71
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01	0.03
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	0.00	0.07
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04	-0.13
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.07
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.60	6.28	31.01	115.21
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.60	6.27	31.01	115.19
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.60	6.27	31.00	115.18
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.17	-0.52	-1.66
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.14	-1.33	-4.05	-13.03

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.14	-1.34	-4.06	-13.04
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.06	-0.19	-0.62
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.03	4.02	19.89	73.89
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.16
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.78	14.84	73.35	272.46
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.12	-0.37	-1.20
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.16	-0.53
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08	-0.24
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.08
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.13	-0.41
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.09	-0.28
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.14	-0.44

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-5. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Nitrogen Oxides (NO_x), 2035

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.46	-0.72	-1.38	-3.64
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	13.54	20.12	48.47	140.01
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.04
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.18	-1.84	-3.64	-9.68
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.11	0.15	0.42	1.25
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.30	0.45	1.10	3.21
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	4.64	6.87	16.77	48.68
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.38	0.57	1.35	3.88
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	5.04	7.54	17.73	50.76
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.65	-1.02	-1.95	-5.13
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.80	-1.25	-2.42	-6.39
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	13.72	20.53	48.07	137.43
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.11	-0.23	-0.63
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.15	0.21	0.59	1.79
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.07	0.10	0.24	0.68
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.91	-2.94	-6.04	-16.38
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	19.56	29.27	68.54	195.96
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	3.18	4.76	11.14	31.85
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.11
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-8.01	-12.43	-24.71	-65.96

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.63	-8.76	-17.18	-45.57
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.11	-0.23	-0.62
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.25	-0.41	-0.58	-1.24
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.02	0.07
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-3.98	-6.18	-12.33	-32.98
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-4.01	-6.22	-12.42	-33.23
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	31.71	47.38	111.58	319.71
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	0.11	0.27	0.79
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.07	-0.14	-0.37
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.06	0.07	0.34	1.17
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	7.24	10.83	25.42	72.75
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	7.37	11.03	25.83	73.84
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.30	1.85	5.36	16.42
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.46	-0.72	-1.38	-3.64
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01	0.03
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.23	-1.89	-3.87	-10.47
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	7.62	11.41	26.71	76.35
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.14	0.21	0.50	1.42
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.01	0.03	0.10
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.04	-0.12
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.19	0.27	0.77	2.36
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.12	-0.24	-0.65

NAAOS		General Emission Changes by Alternative (ton					ns per year) ^c	
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.12	-0.24	-0.65	
SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.08	-0.16	-0.44	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	2.44	3.62	8.73	25.24	
SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.33	-0.51	-1.05	-2.84	
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.06	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	6.50	9.71	22.95	65.86	
CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.64	-4.07	-8.38	-22.71	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-4.83	-7.44	-15.28	-41.38	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	35.69	52.84	129.15	375.03	
Ozone (2008 8-hour)	Maintenance, Serious	10	0	12.57	18.24	48.21	143.71	
Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.19	0.27	0.77	2.36	
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.17	-0.35	-0.95	
PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.20	0.29	0.82	2.48	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.30	0.41	1.30	4.06	
Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-2.44	-3.78	-7.55	-20.21	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-2.23	-3.51	-6.54	-16.89	
PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.80	-5.86	-12.03	-32.57	
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.52	-2.34	-4.80	-12.98	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.45	-2.36	-3.65	-8.45	
PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.96	-3.03	-6.20	-16.76	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.64	-1.16	-0.76	-0.08	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.31	-2.14	-3.22	-7.28	
	(Standard) Ozone (2015 8-hour) SO ₂ (2010 1-hour) PM2.5 (2006 24-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2006 24-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) Ozone (2008 8-hour) PM10 (1987 24-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) PM2.5 (2012 Annual) Ozone (2008 8-hour)	Pollutant (Standard)Status, Severity ClassificationaOzone (2015 8-hour)Nonattainment, MarginalSO2 (2010 1- hour)Maintenance,PM2.5 (2006 24-hour)Maintenance, Former Subpart 1SO2 (2010 1- hour)Maintenance,SO2 (1971 24- hour/Annual)Maintenance, PrimaryPM2.5 (2006 24-hour)Maintenance, Former Subpart 1CO (1971 8- hour)Maintenance, Not ClassifiedOzone (2008 8-hour)Maintenance, MarginalOzone (2008 8-hour)Maintenance, SeriousOzone (2008 8-hour)Maintenance, ModerateCO (1971 8- hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, MarginalOzone (2008 8-hour)Maintenance, MarginalPM10 (1987 24-hour)Maintenance, MarginalPM10 (1987 24-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, ModeratePM2.5 (2012 Annual)Maintenance, ModerateOzone (2008 8-hour)Maintenance, ModeratePM2.5 (2012 Annual)Maintenance, Maintenance, ModerateOzone (2008 8-hour)Maintenance, Maintenance, ModerateOzone (2008 8-hour)Maintenance, Maintenance, ModerateOzone (2008 8-hour)Maintenance, Maintena	Pollutant (Standard)	NAGUS Pollutant (Standard) Classification Classi	NALLS Pollutant (Standard) Classification Conformity Threshold No- Action PC1LT3	Pollutant (Standard)	Pollutant (Standard)	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.55	-0.87	-1.59	-4.06
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-2.63	-4.08	-8.10	-21.62
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-2.43	-3.78	-7.50	-20.02
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.16	-0.32	-0.87
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	10.97	16.41	38.50	110.14
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.07	0.15	0.44
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.59	0.88	2.07	5.92
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.52	-2.35	-4.81	-13.01
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.25	-1.92	-3.94	-10.66
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	1.82	2.09	11.00	37.96
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	2.06	2.46	11.76	40.01
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.88	-1.36	-2.79	-7.55
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	24.74	37.00	86.91	248.78
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	15.76	23.26	57.55	167.83
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	13.03	19.25	47.44	138.15
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	12.94	19.04	47.67	139.56
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.32	-0.62	-0.11	1.11
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	8.40	12.19	32.18	95.89
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	2.09	3.11	7.45	21.47
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	8.38	12.17	32.13	95.77
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Ft. Collins-Loveland, CO Detroit, MI Detroit, MI Detroit, MI Detroit-Ann Arbor, MI Doña Ana County;	8-hour) CO (1971 8-hour) Ozone (2015 8-hour) SO ₂ (2010 1-hour) PM2.5 (2006 24-hour) PM10 (1987	Severe 15 Maintenance, Not Classified Nonattainment, Marginal Nonattainment, Maintenance, Former Subpart 1 Nonattainment,	100 100 100 100	0 0 0	-0.32 8.40 2.09 8.38	-0.62 12.19 3.11 12.17	-0.11 32.18 7.45 32.13	1.11 95.89 21.47 95.77

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	-0.01	
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.05	-0.07	-0.15	-0.41	
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	0.00	0.00	
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.06	-0.15	
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.57	0.84	2.04	5.90	
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	11.08	16.58	38.83	111.03	
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.56	0.83	1.96	5.63	
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	2.01	2.96	7.40	21.67	
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.79	4.17	9.80	28.06	
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.28	6.34	15.47	44.91	
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.36	-0.56	-1.15	-3.11	
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.04	0.09	0.25	
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.76	1.13	2.68	7.70	
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.71	1.05	2.51	7.24	
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.09	
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.19	-0.52	
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.08	
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.31	-0.59	-1.55	
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.15	
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.52	2.27	5.32	15.23	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.12	-0.25	-0.66
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.04	-1.60	-3.27	-8.84
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.19
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.11	-0.22	-0.59
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.17	-0.46
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	1.00	1.49	3.49	9.99
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.52	-3.89	-7.96	-21.55
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-2.52	-3.89	-7.97	-21.57
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	19.66	29.38	69.13	197.99
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.68	1.01	2.38	6.82
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.68	1.01	2.38	6.82
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.44	-2.25	-4.43	-11.79
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.64	-2.54	-5.16	-13.91
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.02	-0.03	-0.05	-0.15
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.09	-0.25
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.05	-0.15
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.51	0.76	1.79	5.12
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.01	0.04	0.14
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.03	0.05	0.11	0.32
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	67.00	99.66	239.22	690.22
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	66.69	99.21	238.00	686.57

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	6.29	9.42	22.04	63.03
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.06	-0.09	-0.19	-0.51
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.06	-0.09	-0.18	-0.47
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	7.98	11.95	27.98	80.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.40	-0.62	-1.27	-3.45
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.40	-0.62	-1.27	-3.45
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.48	-1.00	-2.70
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.31	-0.48	-1.00	-2.70
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.38	-0.59	-1.21	-3.27
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.52	0.78	1.86	5.35
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	9.59	14.34	33.64	96.24
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.03
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.79	-1.23	-2.44	-6.53
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.09	-0.14	-0.29	-0.78
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.02	0.05	0.16
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.07	-0.11	-0.20	-0.51
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.42	-0.86	-2.34
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	6.66	9.95	23.41	67.04
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.04
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.10	-0.15	-0.30	-0.81
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.14	0.20	0.48	1.38
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.62	0.93	2.21	6.35

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	6.03	9.01	21.19	60.67
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.17	-0.46
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.10
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	25.54	38.21	89.53	256.05
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	25.54	38.21	89.53	256.05
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.10	-0.28
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.18
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.10	-0.24
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.10	-0.24
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.11	-0.28
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.74	-1.17	-2.14	-5.46
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.88	-1.40	-2.52	-6.41
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.17	-0.36	-0.97
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	10.49	15.67	37.02	106.20
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.36	-0.56	-1.13	-3.06
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.10	-0.21	-0.57
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	10.71	16.00	37.68	107.95
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.08	-0.22
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.22	-0.59

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.06	-0.13	-0.35
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.47	-0.75	-1.38	-3.55
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.47	-0.75	-1.38	-3.55
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.36	-0.56	-1.15	-3.11
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.81	-5.87	-12.05	-32.62
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.80	-5.86	-12.03	-32.57
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.09	-0.22
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	7.37	11.02	25.81	73.81
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.22	-0.34	-0.70	-1.90
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	12.35	18.47	43.37	124.12
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.38	0.57	1.35	3.88
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.23	-0.35	-0.72	-1.96
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	11.86	17.75	41.61	119.04
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.14	-0.29	-0.77
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	24.73	36.94	87.10	249.68
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	24.73	36.94	87.10	249.68
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.18	-1.02	10.08	42.12
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.18	-1.02	10.08	42.12
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.21	-0.97	10.20	42.47
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.22	-0.94	10.25	42.58

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.21	-0.97	10.19	42.43
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.21	-0.97	10.19	42.43
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.25	-0.39	-0.73	-1.89
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.69	-2.61	-5.35	-14.51
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-0.24	-0.50	-1.34
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	12.28	18.35	43.20	123.74
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	13.77	20.60	48.26	138.02
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.18	-0.28	-0.57	-1.55
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.10	-0.15	-0.32	-0.86
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.29	-0.44	-0.91	-2.46
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-7.71	-11.88	-24.42	-66.20
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.64	-1.00	-1.98	-5.29
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.10	-0.28
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.10	-0.28
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	2.37	3.55	8.32	23.80
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-0.25	-0.52	-1.42
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.50	-0.85	-1.09	-2.17
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.78	-1.28	-1.87	-4.13
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.08	-0.23
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.07	-0.20
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.04	-0.08	-0.22

	NAAQS		General	Em	ission Change	Changes by Alternative (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.26	-0.41	-0.81	-2.17
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.39	-3.69	-7.59	-20.57
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.10	-1.69	-3.48	-9.44
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.12	-3.28	-6.73	-18.26
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.89	8.55	22.54	67.14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	6.09	8.86	23.19	68.90
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.04	-0.06
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.04	-0.06
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.48	-0.74	-1.52	-4.10
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.10	0.35
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.21
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.08	-0.16	-0.44
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.03	-0.09
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.03	-0.09
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.10	-0.28
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.09	-0.26
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.08	-0.16	-0.44
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.19	-0.30	-0.59	-1.56
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.36	0.54	1.27	3.64
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.24	-0.49	-1.32

	NAAQS		General Emission Changes by Alternative (tor					ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.05	-0.12	
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.99	2.98	6.98	19.97	
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.15	-0.24	-0.49	-1.32	
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.15	-0.24	-0.49	-1.32	
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.12	-0.33	
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.40	-2.16	-4.43	-12.01	
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.81	1.21	2.84	8.13	
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.56	-0.86	-1.76	-4.77	
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.90	-7.88	-13.10	-31.75	
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-14.09	-22.08	-42.02	-109.80	
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-14.79	-23.15	-44.31	-116.12	
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-14.05	-22.03	-41.88	-109.39	
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.12	-0.32	
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	3.05	4.43	11.70	34.88	
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.21	-0.42	-1.15	
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.21	-0.42	-1.15	
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.07	-0.18	
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.15	-0.26	-0.66	
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.09	-0.13	-0.27	-0.74	

	NAAOC		Canaval	Em	ission Change	es by Alterna	tive (tons per	· year) ^c
Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.07	-0.10	-0.20	-0.55
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.01	0.01	0.03	0.08
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.20	-0.39	-1.03
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.09	-0.17	-0.45
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	14.11	21.04	50.02	143.84
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.04	1.48	4.30	13.18
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	17.49	25.91	63.23	183.50
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	15.73	23.07	58.64	172.61
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	58.37	86.88	208.04	599.75
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-7.54	-11.63	-23.91	-64.81
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-7.73	-11.92	-24.50	-66.42
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-7.81	-12.05	-24.75	-67.08
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.39	0.59	1.38	3.95
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.10	-0.21	-0.56
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.33	-0.51	-1.02	-2.72
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.90	5.84	13.69	39.17
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.05	0.05	0.31	1.08
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	18.19	27.07	64.88	187.12

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	16.76	24.94	59.77	172.35
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.01	-0.03
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.06	-0.12	-0.32
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.92	-2.98	-5.98	-16.06
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.18	-0.36	-0.98
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.28	-0.44	-0.90	-2.44
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.86	1.24	3.36	10.09
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.05	-0.14
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.15	-4.86	-9.97	-27.03
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	10.61	15.88	37.19	106.32
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.27	-0.44	-0.75	-1.83
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	-0.66	-1.35	-3.67
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.04	-0.06	-0.13	-0.35
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.94	-1.45	-2.98	-8.07
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.94	-1.45	-2.98	-8.07
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.08	-1.67	-3.42	-9.28
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.34	-0.77	10.61	43.56
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.03	0.10
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	8.03	12.01	28.16	80.54

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	er year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.25	6.36	14.89	42.59	
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	25.47	38.02	90.01	258.42	
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	24.05	35.82	85.58	246.50	
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	24.05	35.82	85.58	246.50	
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.33	7.86	19.55	57.10	
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	24.16	35.98	85.92	247.42	
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.42	-0.64	-1.33	-3.59	
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	5.68	8.48	20.03	57.45	
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	2.90	4.19	11.21	33.56	
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.16	6.13	15.21	44.39	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	4.16	6.13	15.21	44.39	
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.72	-1.23	-1.35	-2.23	
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	25.14	37.57	88.40	253.21	
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-5.88	-9.08	-18.56	-50.19	
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-5.87	-9.07	-18.53	-50.11	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.87	-9.06	-18.52	-50.06	
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	15.28	22.30	57.68	170.74	
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	15.29	22.33	57.73	170.87	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	15.26	22.27	57.62	170.57	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	15.99	23.40	59.94	176.85	
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	39.09	58.17	139.39	401.92	
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	39.09	58.17	139.39	401.92	

	NAAQS		General	Em	tive (tons per	er year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	39.09	58.17	139.39	401.92
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	39.09	58.17	139.39	401.92
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	39.09	58.17	139.39	401.92
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.32	1.98	4.65	13.31
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	1.32	1.98	4.65	13.31
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.10	-0.26
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.30	0.45	1.07	3.08
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.12	-0.33
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.49	-0.76	-1.55	-4.21
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.90	-7.57	-15.40	-41.53
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.34	-0.92
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.08	0.20	0.57
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.10	-0.15	-0.31	-0.83
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.13	-0.34
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.08	-0.17	-0.47
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.07	-0.18
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.86	1.24	3.36	10.09
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.50	0.74	1.74	4.99
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.85	-1.74	-4.70
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.55	-0.85	-1.72	-4.66

	NAAQS		General	Em	tive (tons per	er year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.21	-0.32	-0.65	-1.75
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	14.85	22.21	52.03	148.79
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.03	0.11	0.36
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.05	-0.13
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	12.57	18.76	44.51	127.89
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	25.06	37.30	89.35	257.62
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	10.46	15.44	38.26	111.65
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	4.46	6.67	15.65	44.80
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	2.18	3.26	7.71	22.11
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.61	-0.94	-1.91	-5.16
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.06	-0.12	-0.32
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.13	0.20	0.47	1.35
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.78	-1.21	-2.44	-6.58
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.53	-0.83	-1.55	-3.98
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.08	-0.21
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.02	-0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.28	-0.58	-1.57
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.06	0.13	0.37
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.06
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	1.88	2.82	6.59	18.85
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.22	-0.45	-1.21
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.60	0.89	2.09	5.97

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.32	-2.03	-4.17	-11.31
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.15	-0.31	-0.83
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.03	0.04	0.10	0.29
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.03	0.04	0.10	0.29
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	8.05	12.05	28.24	80.78
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.10
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	6.45	9.65	22.62	64.69
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.34	6.45	15.56	44.98
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.51	-0.79	-1.59	-4.29
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	24.49	36.59	86.28	247.33
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	24.49	36.59	86.28	247.35
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.07	0.11	0.27	0.78
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.54	0.79	1.96	5.72
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-0.14	-0.28	-0.77
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.05	-0.08	-0.16	-0.44
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	6.32	9.45	22.13	63.27
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	6.32	9.46	22.15	63.33
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	6.32	9.46	22.16	63.35
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.20	-1.86	-3.82	-10.34
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-9.24	-14.25	-29.20	-79.05

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				PC3LT5 PC6LT8 -29.36 -79.49 -1.37 -3.71 8.17 23.40 -0.36 -0.98 -0.09 -0.23 -0.05 -0.13 59.17 169.18 -2.77 -7.51 -1.18 -3.19 -0.53 -1.44			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-9.28	-14.32	-29.36	-79.49			
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.43	-0.67	-1.37	-3.71			
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.32	3.47	8.17	23.40			
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.18	-0.36	-0.98			
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.09	-0.23			
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.05	-0.13			
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	16.89	25.27	59.17	169.18			
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.87	-1.35	-2.77	-7.51			
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.37	-0.57	-1.18	-3.19			
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.26	-0.53	-1.44			
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.09	-0.18	-0.49			
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.02	0.07			
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.20	-0.30	-0.62	-1.69			
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.48	-0.98	-2.65			

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO $_2$ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO $_2$ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-6. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Nitrogen Oxides (NO_x), 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.30	-1.16	-2.48	-8.06
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.96	-0.32	31.04	134.65
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.07
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.65	-2.69	-6.00	-19.81
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.12	-0.17	0.03	0.54
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.17	-0.08	0.60	2.80
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-2.38	-0.90	9.67	43.76
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	0.08	0.99	4.08
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.59	1.34	13.33	54.47
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.45	-1.68	-3.55	-11.51
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.50	-1.95	-4.22	-13.78
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.02	4.37	37.13	150.32
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.14	-0.34	-1.15
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.19	-0.29	-0.01	0.64
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	0.00	0.16	0.68
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.68	-3.50	-8.67	-29.50
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.75	6.18	52.87	214.15
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.94	1.00	8.59	34.79
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.07	-0.23
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-4.16	-17.64	-39.94	-132.41

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.29	-13.24	-29.09	-95.55	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.13	-0.33	-1.12	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.50	-1.44	-2.38	-7.01	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.02	-0.02	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-1.99	-8.58	-19.63	-65.28	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-1.99	-8.63	-19.75	-65.70	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-10.26	7.85	83.09	340.76	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.01	0.17	0.74	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.08	-0.19	-0.66	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.27	-0.58	-0.56	-1.11	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.21	2.10	19.33	78.66	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.16	2.34	19.94	80.74	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.91	-3.14	-0.77	3.79	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.30	-1.16	-2.48	-8.06	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02	-0.05	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-2.31	-5.64	-19.12	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.24	2.42	20.62	83.50	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	0.04	0.38	1.54	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.01	0.01	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.06	-0.22	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.26	-0.43	-0.07	0.64	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.14	-0.35	-1.18	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.14	-0.35	-1.18
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.09	-0.23	-0.80
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.09	-0.10	5.53	24.11
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.12	-0.62	-1.53	-5.20
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.10	-0.33
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.23	1.32	16.70	69.05
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.94	-4.83	-11.98	-40.77
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.78	-8.97	-22.11	-75.10
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-18.48	-7.27	74.00	335.76
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-11.82	-14.89	11.12	81.73
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.26	-0.43	-0.07	0.64
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.24	-0.56	-1.88
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.40	-0.02	0.83
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.57	-1.03	-0.56	-0.09
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-1.20	-5.22	-11.98	-39.87
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.84	-6.50	-13.05	-41.61
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1.41	-7.12	-17.54	-59.57
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.57	-2.83	-6.95	-23.59
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.34	-6.88	-11.69	-34.86
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.76	-3.71	-9.05	-30.66
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-2.70	-6.90	-9.84	-26.82
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.28	-6.60	-11.03	-32.66

NAAOS		General	Em	ission Change	es by Alternat	tive (tons per	r year) ^c
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.06	-0.17
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.51	-1.75	-3.42	-10.80
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.37	-5.79	-13.10	-43.43
Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-1.27	-5.37	-12.15	-40.25
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.22	-0.50	-1.68
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.32	3.25	29.41	119.52
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	0.01	0.11	0.47
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	0.18	1.60	6.49
PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.57	-2.84	-6.97	-23.63
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.46	-2.31	-5.69	-19.32
Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-9.56	-20.36	-20.44	-42.09
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-9.47	-19.92	-19.36	-38.40
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.31	-1.61	-3.98	-13.56
PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-7.68	6.89	65.76	268.16
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-9.19	-5.60	29.77	141.13
CO (1971 8- hour)	Maintenance, Serious	100	0	-7.32	-3.99	25.38	118.54
Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-8.36	-6.49	22.16	110.31
CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.90	-4.74	-6.51	-17.36
Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-7.84	-9.81	7.60	55.03
SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.85	0.12	5.00	21.30
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-7.85	-9.85	7.52	54.76
PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
	(Standard) PM10 (1987 24-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2015 8-hour) PM10 (1987 24-hour) SO ₂ (1971 24-hour/Annual) Ozone (2008 8-hour) Ozone (2015 8-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2012 Annual) Ozone (2015 8-hour) CO (1971 8-hour) CO (1971 8-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) CO (1971 8-hour) PM2.5 (2006 24-hour) PM2.5 (2006 24-hour) PM10 (1987	Pollutant (Standard) PM10 (1987 24-hour) CO (1971 8-hour) Ozone (2008 Maintenance, Marginal Ozone (2015 Maintenance, Moderate PM10 (1987 24-hour) Maintenance, Marginal Ozone (2015 Maintenance, Moderate PM10 (1987 Maintenance, Moderate PM10 (1987 Maintenance, Moderate PM10 (1987 Maintenance, Moderate SO2 (1971 24-hour/Annual) PM10 (1987 Maintenance, Moderate PM10 (1987 Maintenance, Moderate PM10 (1987 Maintenance, Moderate PM10 (1987 Maintenance, Moderate SO2 (1971 24-hour/Annual) Ozone (2008 Nonattainment, Severe 15 Ozone (2015 Nonattainment, Moderate SO2 (1971 24-hour/Annual) PM2.5 (2012 Maintenance, Primary PM2.5 (2012 Maintenance, Moderate CO (1971 8-hour) Ozone (2015 Nonattainment, Moderate CO (1971 8-hour) Ozone (2015 Nonattainment, Moderate CO (1971 8-hour) Ozone (2008 Nonattainment, Moderate CO (1971 8-hour) Ozone (2015 Nonattainment, Severe 15 CO (1971 8-hour) Ozone (2015 Nonattainment, Severe 15 CO (1971 8-hour) Maintenance, Not Classified Ozone (2015 Nonattainment, Marginal SO2 (2010 1-hour) PM2.5 (2006 Maintenance, Former Subpart 1 PM10 (1987 Nonattainment,hour)	Pollutant (Standard)	NAGY Pollutant (Standard) Status, Severity Classification Conformity Threshold Nonattainment, Moderate 100 0 0 0 0 0 0 0 0	No. Pollutant (Standard) Status, Severity (Classification ³ No. Pollutant (24-hour) Nonattainment, Moderate 100 0 -0.02	Pollutant (Standard)	Pollutant (Standard)

	NAAQS General Em					Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	-0.01			
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.02	-0.09	-0.22	-0.75			
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.05	-0.14			
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.08	-0.27			
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	-0.11	1.14	5.17			
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.27	3.47	29.92	121.23			
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.02			
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.19	0.13	1.47	6.04			
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.30	-1.01	3.42	17.07			
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.87	0.76	7.39	30.17			
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.20	-0.83	8.93	40.39			
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.69	-1.72	-5.86			
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.01	0.07	0.28			
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.28	0.09	1.80	7.57			
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.30	-0.05	1.46	6.42			
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.18			
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.13	-0.33	-1.12			
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.17			
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.54	-1.14	-3.69			
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.08	-0.27			
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.46	0.45	4.06	16.52			

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.16	-0.37	-1.26
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.41	-2.02	-4.92	-16.65
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.11	-0.38
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.13	-0.31	-1.06
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.11	-0.27	-0.91
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.29	0.31	2.69	10.89
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.95	-4.72	-11.56	-39.19
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.95	-4.72	-11.57	-39.23
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-6.25	5.13	51.83	212.04
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.21	0.19	1.80	7.34
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.21	0.19	1.80	7.34
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.80	-3.29	-7.34	-24.21
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.69	-3.24	-7.75	-26.10
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.03	-0.08	-0.26
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.13	-0.42
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.03	-0.08	-0.26
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.16	0.14	1.36	5.53
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.04	-0.03	-0.02
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.00	0.08	0.33
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-28.34	1.12	156.85	674.27
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-28.02	1.57	156.67	672.47

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.84	2.00	17.03	68.94
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.11	-0.27	-0.91
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.11	-0.27	-0.92
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.35	2.52	21.58	87.42
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.14	-0.74	-1.82	-6.20
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.73	-1.82	-6.19
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.12	-0.60	-1.49	-5.07
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.12	-0.60	-1.49	-5.07
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.14	-0.70	-1.74	-5.92
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.20	0.05	1.27	5.39
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.90	2.84	25.69	104.43
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.07
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.40	-1.73	-3.93	-13.04
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.04	-0.18	-0.43	-1.46
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	0.00	0.05	0.21
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.06	-0.20	-0.40	-1.28
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.52	-1.29	-4.38
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-2.11	1.75	17.57	71.85
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.07
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.21	-0.48	-1.59
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	0.03	0.36	1.46
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.23	0.08	1.54	6.46

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.89	1.62	15.95	65.17
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.11	-0.26	-0.90
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.08	-0.26
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-7.58	7.92	68.89	279.35
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-7.58	7.92	68.89	279.35
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.15	-0.51
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.32
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.15	-0.28	-0.86
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.15	-0.28	-0.86
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.05	-0.17	-0.31	-0.98
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.69	-2.34	-4.56	-14.37
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.85	-2.87	-5.52	-17.34
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.21	-0.52	-1.78
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.57	2.20	27.01	111.59
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.15	-0.71	-1.69	-5.71
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.12	-0.30	-1.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.46	2.66	28.07	115.10
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.11	-0.37
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.13	-0.32	-1.08

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.19	-0.63
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.41	-1.42	-2.82	-8.95
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.41	-1.42	-2.82	-8.94
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.69	-1.72	-5.86
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.42	-7.13	-17.57	-59.67
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.41	-7.12	-17.54	-59.57
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.10	-0.19	-0.59
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-2.16	2.33	19.92	80.68
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.08	-0.40	-1.00	-3.41
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.80	3.52	32.93	134.11
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.13	0.08	0.99	4.08
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.42	-1.04	-3.54
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.57	3.56	31.84	129.33
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.17	-0.41	-1.41
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-8.13	5.86	64.55	265.29
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-8.13	5.86	64.55	265.29
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-18.54	-42.92	-51.75	-126.10
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-18.54	-42.92	-51.75	-126.11
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-18.55	-42.90	-51.64	-125.70
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-18.54	-42.87	-51.58	-125.49

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-18.55	-42.91	-51.66	-125.77
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-18.55	-42.91	-51.66	-125.77
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.19	-0.69	-1.41	-4.53
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.61	-3.10	-7.68	-26.11
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.30	-0.73	-2.48
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.94	3.11	32.26	132.16
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.09	4.25	37.09	150.42
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.34	-0.84	-2.85
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.19	-0.47	-1.59
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.10	-0.52	-1.30	-4.42
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-2.79	-14.20	-35.18	-119.66
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.34	-1.42	-3.22	-10.66
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.15	-0.50
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.15	-0.50
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.71	0.72	6.38	25.91
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.32	-0.78	-2.66
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.17	-3.21	-5.06	-14.55
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.45	-4.15	-6.84	-20.13
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.06	-0.14	-0.49
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.13	-0.44
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.14	-0.47

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.56	-1.29	-4.29
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.86	-4.38	-10.87	-37.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.39	-2.01	-4.98	-16.95
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.76	-3.88	-9.63	-32.77
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.47	-6.82	5.38	38.65
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.41	-6.47	6.30	41.81
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.22	-0.33	-0.92
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.23	-0.34	-0.95
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-0.92	-2.25	-7.62
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.19	-0.17	-0.32
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.19	-0.63
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.06
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.10	-0.25	-0.83
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.05	-0.16
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.05	-0.16
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.15	-0.52
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.06	-0.14	-0.49
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.10	-0.24	-0.82
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.46	-1.01	-3.32
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.11	0.11	0.97	3.95
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.29	-0.71	-2.42

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.03	-0.07	-0.23	
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.59	0.62	5.38	21.81	
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.05	-0.28	-0.69	-2.35	
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.05	-0.28	-0.69	-2.35	
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.17	-0.59	
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.50	-2.56	-6.35	-21.60	
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.24	0.25	2.18	8.85	
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.20	-1.02	-2.52	-8.57	
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-6.48	-19.92	-35.50	-108.06	
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-10.20	-37.73	-78.39	-252.83	
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-10.30	-38.66	-81.15	-262.61	
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.21	-37.73	-78.30	-252.44	
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.08	-0.20	-0.68	
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.88	-3.68	2.55	19.32	
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.25	-0.61	-2.07	
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.25	-0.61	-2.07	
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.09	-0.18	-0.55	
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.35	-0.64	-2.00	
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.16	-0.39	-1.32	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.14	-0.32	-1.08
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.02	0.07
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.31	-0.68	-2.22
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.15	-0.31	-1.02
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.26	1.87	35.02	146.87
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.55	-2.56	-0.67	2.89
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-8.91	-3.20	36.71	165.68
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-11.46	-10.89	23.32	125.31
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-23.95	2.70	138.74	592.56
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-2.71	-13.86	-34.37	-116.92
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-2.79	-14.23	-35.25	-119.90
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.83	-14.41	-35.66	-121.24
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	0.12	1.05	4.28
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.12	-0.29	-0.98
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.16	-0.71	-1.64	-5.47
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.18	1.16	10.46	42.52
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.28	-0.61	-0.63	-1.32
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-7.57	0.60	42.94	183.94

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.95	0.61	39.63	169.63
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.01	-0.05
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.07	-0.17	-0.58
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.90	-4.02	-9.35	-31.26
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.23	-0.55	-1.88
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.10	-0.53	-1.31	-4.45
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.92	-1.28	0.44	4.81
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.32
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.14	-5.80	-14.33	-48.72
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.11	3.38	28.72	116.28
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.34	-1.06	-1.92	-5.87
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-0.81	-2.01	-6.85
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.08	-0.20	-0.69
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.34	-1.72	-4.26	-14.47
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.34	-1.72	-4.26	-14.47
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.39	-1.98	-4.90	-16.65
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-18.50	-42.66	-51.06	-123.71
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01	0.07
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.40	2.45	21.60	87.67

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.25	1.35	11.50	46.57
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.94	4.68	64.79	268.96
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-9.59	1.77	57.97	246.13
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-9.59	1.77	57.97	246.14
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.26	-2.25	9.60	46.54
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-9.55	1.94	58.39	247.57
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.78	-1.94	-6.60
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.92	1.20	14.63	60.42
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-2.95	-4.03	1.68	16.38
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.48	-1.60	7.71	36.89
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-2.48	-1.60	7.71	36.88
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.06	-5.50	-8.33	-23.48
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-7.97	6.66	66.52	271.95
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-2.27	-11.14	-27.15	-91.91
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-2.27	-11.12	-27.10	-91.76
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.27	-11.12	-27.10	-91.75
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-12.56	-13.90	18.60	111.75
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-12.56	-13.87	18.67	111.98
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-12.57	-13.94	18.51	111.44
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.31	-12.63	21.73	122.38
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-16.19	1.44	92.42	395.54
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-16.19	1.44	92.42	395.54

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-16.19	1.44	92.42	395.54	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-16.19	1.44	92.42	395.55	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-16.19	1.44	92.42	395.55	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.41	0.39	3.56	14.48	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.41	0.39	3.56	14.48	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.06	-0.13	-0.45	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	0.07	0.79	3.25	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.08	-0.20	-0.69	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.18	-0.91	-2.24	-7.61	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-2.02	-9.62	-23.10	-77.90	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.22	-0.53	-1.78	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.03	0.10	0.52	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.04	-0.20	-0.48	-1.62	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.18	-0.62	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.11	-0.26	-0.89	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.10	-0.34	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.92	-1.28	0.45	4.81	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.16	0.14	1.34	5.48	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-1.08	-2.62	-8.84	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.22	-1.07	-2.60	-8.77	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	PC6LT8 16 -3.24 18 162.44 16 -0.21 17 -0.25 14 131.67 12 254.05 14 93.17 15 48.45 19 23.14 12 -9.81 10 -0.67 16 1.47 18 -12.38 18 -10.11 14 -0.45 17 -0.74			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	-0.39	-0.96	-3.24			
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.39	4.64	40.08	162.44			
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.14	-0.12	-0.21			
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.03	-0.07	-0.25			
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.57	1.95	31.54	131.67			
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.34	1.04	59.42	254.05			
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-6.19	-3.92	19.54	93.17			
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.36	1.29	11.90	48.45			
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.75	0.43	5.59	23.14			
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-1.22	-2.92	-9.81			
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.09	-0.20	-0.67			
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	0.04	0.36	1.47			
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.33	-1.54	-3.68	-12.38			
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.45	-1.59	-3.18	-10.11			
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.06	-0.14	-0.45			
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.07	-0.19	-0.27	-0.74			
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.34	-0.85	-2.91			
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.01	0.10	0.41			
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.11			
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.55	0.59	5.09	20.60			
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.26	-0.64	-2.18			
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.18	0.19	1.62	6.54			

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.48	-2.47	-6.12	-20.84
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.18	-0.44	-1.50
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	0.01	0.08	0.32
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.01	0.01	0.08	0.32
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.42	2.44	21.65	87.92
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.07	-0.24
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.91	1.98	17.32	70.25
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.95	-0.18	9.86	42.97
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-1.02	-2.42	-8.15
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-8.09	5.68	63.71	262.06
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-8.09	5.68	63.72	262.09
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.02	0.15	0.69
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.31	-0.18	1.02	4.83
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02	-0.05
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.17	-0.42	-1.42
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.02	-0.09	-0.23	-0.78
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.85	2.00	17.08	69.18
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.86	1.98	17.07	69.17
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.87	1.98	17.07	69.16
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	-2.20	-5.46	-18.57
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-3.46	-17.25	-42.33	-143.60

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.45	-17.27	-42.46	-144.12
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.16	-0.82	-2.03	-6.92
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.74	0.59	6.11	25.01
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.22	-0.53	-1.81
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.12	-0.39
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.32
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.95	5.38	45.71	185.06
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.31	-1.60	-3.96	-13.49
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.70	-1.74	-5.90
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.32	-0.80	-2.74
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.11	-0.28	-0.94
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.19	-0.48	-0.66	-1.79
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.38	-0.93	-3.17
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.11	-0.58	-1.45	-4.92

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-7. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Volatile Organic Compounds (VOCs), 2035

	NAAGS		6	Em	ission Change	es by Alterna	tive (tons per	vear) ^c
Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.77	-12.28	-25.30	-68.59
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-39.77	-63.00	-129.67	-351.55
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.07	-0.19
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.79	-16.90	-34.91	-94.70
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.53	-0.82	-1.70	-4.61
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.04	-1.64	-3.39	-9.19
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-13.82	-21.75	-44.86	-121.65
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.42	-0.66	-1.36	-3.68
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.97	-6.32	-12.99	-35.20
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.66	-10.42	-21.55	-58.45
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-7.13	-11.13	-23.02	-62.44
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.97	-3.16	-6.47	-17.54
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.59	-0.93	-1.91	-5.19
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.38	-2.15	-4.45	-12.08
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.29	-0.78
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-7.82	-12.01	-24.98	-67.80
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.34	-8.58	-17.58	-47.63
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-2.02	-3.24	-6.65	-18.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.14	-0.38
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-55.32	-86.00	-178.15	-483.32

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-44.96	-70.06	-145.02	-393.41	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.35	-0.54	-1.12	-3.05	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.80	-7.47	-15.47	-41.96	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.14	-0.29	-0.78	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-20.83	-32.08	-66.67	-180.94	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-20.93	-32.23	-66.99	-181.82	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-29.84	-47.51	-97.63	-264.64	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.18	-0.28	-0.59	-1.59	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.23	-0.36	-0.75	-2.03	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.39	-3.72	-7.71	-20.91	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.97	-12.76	-26.18	-70.94	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.11	-4.99	-10.23	-27.72	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-16.44	-25.73	-53.18	-144.23	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.76	-12.28	-25.29	-68.56	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.18	-0.37	-1.00	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.33	-21.05	-43.37	-117.60	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.44	-2.31	-4.73	-12.83	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.31	-0.83	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.15	-0.31	-0.83	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.17	-0.45	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.41	-3.77	-7.80	-21.14	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.85	-1.75	-4.76	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.85	-1.75	-4.76
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.26	-0.40	-0.83	-2.26
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.58	-10.41	-21.44	-58.12
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.03	-1.56	-3.27	-8.88
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.05	-0.09	-0.18	-0.48
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.74	-9.09	-18.71	-50.73
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-11.84	-18.27	-37.95	-102.98
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-23.71	-36.68	-76.11	-206.52
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-64.78	-100.52	-208.37	-565.36
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-107.05	-168.38	-347.42	-942.15
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.41	-3.77	-7.80	-21.14
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.84	-1.32	-2.72	-7.38
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.27	-3.55	-7.34	-19.90
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.37	-16.45	-33.85	-91.77
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-10.51	-16.03	-33.43	-90.76
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-25.36	-39.64	-81.96	-222.33
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-18.48	-28.58	-59.31	-160.93
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-17.87	-28.26	-58.20	-157.80
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-33.13	-52.00	-107.36	-291.17
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-20.60	-32.51	-67.00	-181.66
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-34.51	-54.17	-111.86	-303.36
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-32.15	-50.47	-104.21	-282.61
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.12	-0.19	-0.39	-1.06
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.16	-19.24	-39.61	-107.39
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-20.33	-31.72	-65.62	-178.02
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-18.05	-28.12	-58.21	-157.91
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.12	-1.76	-3.62	-9.83
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.74	-4.36	-8.97	-24.31
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.15	-0.31	-0.83
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.70	-1.12	-2.29	-6.21
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-17.91	-28.32	-58.32	-158.13
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-14.58	-23.07	-47.50	-128.79
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-75.44	-117.21	-242.85	-658.89
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-74.57	-115.88	-240.09	-651.40
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.59	-7.12	-14.75	-40.02
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-7.81	-12.36	-25.44	-68.98
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-89.98	-142.54	-293.39	-795.42
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-72.00	-114.12	-234.84	-636.67
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-88.43	-140.06	-288.31	-781.64
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-17.07	-26.55	-55.00	-149.21
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-43.21	-67.05	-138.98	-377.10
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.66	-4.17	-8.61	-23.36
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-43.34	-67.24	-139.39	-378.22
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01	-0.02
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.19	-0.29	-0.61	-1.65
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.15	-0.32	-0.87
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.12	-0.18	-0.38	-1.03
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.27	-3.59	-7.40	-20.05
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.60	-2.56	-5.26	-14.25
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.06
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.75	-1.19	-2.45	-6.63
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-5.72	-8.88	-18.41	-49.95
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.89	-1.40	-2.89	-7.84
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.89	-7.45	-15.54	-42.19
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.50	-2.31	-4.81	-13.05
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.11	-0.22	-0.59
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.67	-1.06	-2.18	-5.92
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.88	-1.38	-2.84	-7.71
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.21	-0.34	-0.69	-1.87
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.28	-2.04	-4.20	-11.37
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.20	-0.32	-0.66	-1.79
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.04	-4.80	-9.88	-26.80
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.09	-0.20	-0.53
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.05	-1.68	-3.45	-9.34

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.54	-0.84	-1.75	-4.73
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.47	-6.87	-14.29	-38.78
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.12	-0.26	-0.70
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.23	-0.34	-0.71	-1.94
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.42	-0.88	-2.38
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.23	-0.47	-1.27
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-14.40	-22.40	-46.39	-125.86
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-14.42	-22.42	-46.45	-126.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-15.38	-24.49	-50.32	-136.40
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.57	-0.91	-1.87	-5.07
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.74	-1.18	-2.42	-6.57
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-9.09	-14.07	-29.20	-79.23
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.19	-15.86	-32.84	-89.09
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.07	-0.10	-0.21	-0.57
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.36	-0.97
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.10	-0.21	-0.57
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.57	-0.92	-1.88	-5.10
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.25	-0.40	-0.83	-2.24
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.07	-0.15	-0.40
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-139.34	-220.01	-453.35	-1,229.23
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-136.39	-215.37	-443.79	-1,203.30

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.46	-3.95	-8.10	-21.95
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.27	-0.41	-0.85	-2.32
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.23	-1.96	-4.02	-10.90
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.05	-6.51	-13.34	-36.14
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-2.91	-4.56	-9.42	-25.55
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.91	-4.55	-9.41	-25.52
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.87	-2.92	-6.05	-16.40
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-1.87	-2.92	-6.05	-16.40
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-2.79	-4.37	-9.04	-24.51
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.03	-1.63	-3.36	-9.12
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-7.54	-12.07	-24.75	-67.07
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.08	-0.22
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.05	-7.84	-16.25	-44.10
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.58	-0.90	-1.87	-5.07
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.24	-0.38	-0.79	-2.13
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.59	-0.91	-1.88	-5.10
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.19	-1.83	-3.81	-10.34
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-6.07	-9.68	-19.88	-53.88
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.05	-0.11	-0.29
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.82	-1.28	-2.64	-7.15
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.19	-0.31	-0.63	-1.71
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.38	-2.19	-4.50	-12.20

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-4.67	-7.45	-15.31	-41.49	
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.42	-0.86	-2.34	
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.12	-0.24	-0.66	
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-4.84	-7.72	-15.85	-42.96	
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-4.84	-7.72	-15.85	-42.96	
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.28	-0.59	-1.59	
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.18	-0.38	-1.02	
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.42	-0.87	-2.36	
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.42	-0.87	-2.36	
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.48	-1.00	-2.71	
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-9.34	-14.60	-30.19	-81.89	
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-10.60	-16.54	-34.22	-92.83	
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.44	-0.68	-1.41	-3.82	
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-7.97	-12.59	-25.95	-70.36	
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.70	-2.62	-5.45	-14.80	
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.29	-0.44	-0.92	-2.51	
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.66	-8.96	-18.44	-50.01	
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.22	-0.60	
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.11	-0.30	
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-0.38	-0.78	-2.11	
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.37	-0.58	-1.20	-3.26	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.33	-0.52	-1.08	-2.92	
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-5.90	-9.23	-19.08	-51.76	
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.90	-9.23	-19.08	-51.75	
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01	
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.50	-2.31	-4.81	-13.05	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-18.51	-28.62	-59.40	-161.19	
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-18.48	-28.58	-59.31	-160.93	
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.29	-0.44	-0.92	-2.49	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-3.25	-5.22	-10.70	-28.99	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.71	-2.69	-5.55	-15.05	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.12	-4.94	-10.18	-27.59	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.42	-0.66	-1.36	-3.68	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.16	-0.42	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.23	-1.91	-3.95	-10.71	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.97	-12.76	-26.16	-70.89	
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.49	-0.77	-1.59	-4.32	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-9.82	-15.38	-31.77	-86.18	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-9.82	-15.37	-31.77	-86.17	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-109.44	-167.68	-349.09	-947.66	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-109.44	-167.68	-349.10	-947.68	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-109.65	-168.03	-349.82	-949.62	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-109.60	-167.95	-349.65	-949.16	

	NAAQS		General	eral Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-109.66	-168.04	-349.83	-949.66	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-109.66	-168.04	-349.83	-949.66	
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-3.30	-5.18	-10.69	-29.00	
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-4.73	-7.12	-14.91	-40.51	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.02	-1.58	-3.28	-8.90	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-8.31	-13.20	-27.14	-73.57	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.56	-5.69	-11.67	-31.63	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.62	-0.94	-1.96	-5.32	
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.35	-0.53	-1.11	-3.02	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.02	-1.56	-3.26	-8.85	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-34.31	-52.90	-109.89	-298.23	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.19	-6.50	-13.49	-36.59	
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.26	-0.41	-0.84	-2.28	
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.26	-0.41	-0.84	-2.28	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.44	-3.92	-8.03	-21.75	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.72	-1.11	-2.30	-6.26	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.15	-15.72	-32.61	-88.49	
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-14.61	-22.73	-47.08	-127.74	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.15	-0.32	-0.86	
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.13	-0.28	-0.76	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.14	-0.30	-0.82	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.35	-2.08	-4.33	-11.76
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-13.12	-20.40	-42.26	-114.65
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-6.84	-10.68	-22.10	-59.94
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-11.64	-18.09	-37.48	-101.69
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-33.75	-52.58	-108.84	-295.28
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-33.40	-52.05	-107.74	-292.26
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.42	-5.46	-11.21	-30.37
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.52	-5.61	-11.52	-31.23
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.19	-3.38	-7.02	-19.05
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.44	-0.67	-1.39	-3.78
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.12	-0.19	-0.40	-1.09
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.20	-0.41	-1.10
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.08
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.24	-0.38	-0.78	-2.13
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.11	-0.17	-0.35	-0.94
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.11	-0.17	-0.34	-0.93
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-0.25	-0.51	-1.39
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.24	-0.38	-0.78	-2.11
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.41	-0.64	-1.33	-3.60
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.44	-2.23	-4.63	-12.56
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.49	-0.78	-1.61	-4.35
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.53	-0.80	-1.67	-4.54

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.08	-0.17	-0.47
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.33	-2.13	-4.36	-11.83
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.70	-1.08	-2.25	-6.10
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.70	-1.09	-2.26	-6.12
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.42	-0.88	-2.38
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.13	-15.87	-32.79	-88.93
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.46	-0.74	-1.51	-4.09
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-12.71	-20.26	-41.61	-112.78
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-123.85	-195.47	-402.84	-1,092.31
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-188.69	-296.81	-612.40	-1,660.72
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-194.44	-305.91	-631.12	-1,711.49
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-194.79	-306.61	-632.46	-1,715.09
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.21	-0.43	-1.17
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-21.55	-33.75	-69.74	-189.16
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.74	-1.16	-2.39	-6.49
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.74	-1.16	-2.39	-6.49
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.25	-0.38	-0.80	-2.17
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.91	-1.40	-2.92	-7.92
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.51	-0.79	-1.63	-4.43

	NAAQS		General	Em	ission Change	es by Alterna	0.00 0.00 0.00 0.00 0.00 0.00 0.68 -1.41 0.00 -0.01 0.05 -0.10 1.81 -3.74 1.31 -2.70 21.46 -44.30 18.73 -38.75 37.89 -119.73 39.13 -205.16 34.65 -195.97 31.88 -107.77			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.44	-0.68	-1.41	-3.82		
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02		
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.05	-0.10	-0.26		
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.16	-1.81	-3.74	-10.14		
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.83	-1.31	-2.70	-7.32		
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.67	-21.46	-44.30	-120.14		
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-12.00	-18.73	-38.75	-105.11		
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-37.07	-57.89	-119.73	-324.79		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-63.59	-99.13	-205.16	-556.56		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-60.80	-94.65	-195.97	-531.66		
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-33.64	-51.88	-107.77	-292.47		
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-34.42	-53.07	-110.26	-299.23		
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-34.73	-53.54	-111.22	-301.86		
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.21	-0.33	-0.68	-1.86		
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.17		
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.29	-0.45	-0.93	-2.52		
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.26	-1.91	-3.98	-10.81		
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.71	-2.74	-5.62	-15.23		
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.06	-4.79	-9.90	-26.86		
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-36.46	-57.58	-118.64	-321.67		

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-33.23	-52.48	-108.12	-293.17
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.09	-0.14	-0.29	-0.78
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.15	-0.23	-0.48	-1.30
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.37	-19.24	-39.85	-108.12
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.12	-0.26	-0.70
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.03	-3.23	-6.65	-18.02
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.32	-2.04	-4.23	-11.48
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-4.88	-7.55	-15.66	-42.50
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.15	-0.31	-0.84
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.02	-20.01	-41.62	-112.96
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.98	-1.58	-3.24	-8.77
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-3.86	-6.02	-12.47	-33.82
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.01	-4.71	-9.72	-26.37
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.24	-0.38	-0.78	-2.12
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-3.78	-5.81	-12.09	-32.81
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-3.78	-5.81	-12.09	-32.81
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-4.23	-6.48	-13.49	-36.61
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-109.25	-167.42	-348.54	-946.16
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.15	-0.32	-0.85
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.35	-10.18	-20.86	-56.53

	NAAQS		General	Em	ission Change	es by Alterna	4.91 -10.06 -27.26 24.51 -50.66 -137.40 38.16 -78.94 -214.14 38.15 -78.93 -214.12 17.64 -36.64 -99.45 37.28 -77.12 -209.19 2.99 -6.20 -16.84				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.06	-4.91	-10.06	-27.26			
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-15.66	-24.51	-50.66	-137.40			
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-24.45	-38.16	-78.94	-214.14			
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-24.45	-38.15	-78.93	-214.12			
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-11.44	-17.64	-36.64	-99.45			
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-23.88	-37.28	-77.12	-209.19			
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.93	-2.99	-6.20	-16.84			
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.73	-5.88	-12.12	-32.88			
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-22.33	-34.95	-72.23	-195.91			
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-13.17	-20.61	-42.60	-115.54			
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-13.18	-20.61	-42.61	-115.58			
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-21.30	-33.21	-68.73	-186.44			
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-8.41	-13.23	-27.29	-74.01			
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-36.22	-56.42	-116.79	-316.85			
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-36.16	-56.33	-116.62	-316.37			
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-35.99	-56.05	-116.04	-314.80			
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-56.88	-87.81	-182.35	-494.85			
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-56.82	-87.72	-182.15	-494.32			
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-56.95	-87.92	-182.58	-495.48			
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-53.80	-83.07	-172.49	-468.10			
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-42.43	-66.08	-136.81	-371.16			
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-42.43	-66.08	-136.81	-371.16			

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-42.44	-66.08	-136.81	-371.16
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-42.43	-66.08	-136.81	-371.15
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-42.43	-66.08	-136.81	-371.15
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.08	-1.73	-3.55	-9.62
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.08	-1.73	-3.55	-9.62
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.19	-0.39	-1.06
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.31	-2.10	-4.30	-11.64
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.14	-0.21	-0.44	-1.19
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.99	-3.05	-6.34	-17.21
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-30.04	-46.74	-96.80	-262.62
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.68	-1.05	-2.19	-5.93
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.29	-0.46	-0.96	-2.59
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.62	-0.96	-1.99	-5.39
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.38	-0.78	-2.12
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.25	-0.39	-0.81	-2.19
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.24	-0.49	-1.33
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.88	-7.55	-15.66	-42.49
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.37	-0.60	-1.22	-3.31
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.15	-4.89	-10.13	-27.47
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.12	-4.84	-10.04	-27.24

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.03	-1.59	-3.31	-8.98
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.80	-7.70	-15.78	-42.77
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.59	-0.92	-1.90	-5.16
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.14	-0.29	-0.79
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.12	-15.87	-32.78	-88.91
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-36.44	-57.22	-118.13	-320.36
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-35.47	-55.60	-114.85	-311.49
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.05	-4.88	-10.01	-27.13
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-3.97	-6.32	-12.99	-35.20
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.90	-4.47	-9.30	-25.23
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.21	-0.32	-0.66	-1.79
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.11	-0.22	-0.60
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.63	-10.41	-21.49	-58.28
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.51	-10.20	-21.07	-57.16
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.20	-0.31	-0.65	-1.76
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.52	-0.79	-1.65	-4.48
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.68	-1.04	-2.17	-5.88
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.15	-0.31	-0.83
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.08	-0.22
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.14	-0.22	-0.46	-1.24
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.62	-0.96	-1.99	-5.41
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.66	-1.06	-2.17	-5.87

	NAAQS		General Emission Changes by Alternative (tons per year				year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-5.86	-9.03	-18.76	-50.91
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.65	-1.02	-2.11	-5.74
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.07	-0.18
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.02	-0.03	-0.07	-0.18
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-13.04	-20.92	-42.88	-116.20
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.27	-0.73
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-8.03	-12.89	-26.42	-71.58
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.02	-10.99	-22.71	-61.60
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.71	-4.19	-8.70	-23.62
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-9.25	-14.46	-29.90	-81.11
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-9.25	-14.45	-29.88	-81.05
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.27	-0.56	-1.52
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.53	-2.40	-4.96	-13.45
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.07	-0.11	-0.23	-0.63
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.58	-0.91	-1.88	-5.09
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.19	-0.30	-0.62	-1.68
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.50	-5.62	-11.52	-31.22
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-4.30	-6.90	-14.13	-38.29
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.60	-7.39	-15.14	-41.03
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.21	-6.42	-13.38	-36.34
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-39.96	-61.47	-127.81	-346.89

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-34.35	-52.46	-109.34	-296.86
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.02	-4.73	-9.78	-26.54
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.03	-1.63	-3.36	-9.10
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.37	-0.56	-1.17	-3.18
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.11	-0.16	-0.33	-0.91
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.29	-0.79
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.94	-1.51	-3.09	-8.36
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.81	-4.26	-8.90	-24.18
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.56	-2.41	-5.00	-13.58
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.54	-2.42	-4.99	-13.54
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.53	-0.83	-1.71	-4.64
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.03	-3.18	-6.57	-17.82
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.25	-1.95	-4.03	-10.93
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.87	-2.92	-6.05	-16.40

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; PM2.5 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-8. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Volatile Organic Compounds (VOCs), 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.84	-13.44	-36.27	-116.12
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-13.63	-66.83	-181.64	-580.99
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.11	-0.37
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.35	-21.40	-55.57	-178.79
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.41	-1.34	-3.28	-10.63
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.45	-1.94	-5.12	-16.43
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-5.94	-25.59	-67.68	-217.25
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.68	-1.85	-5.92
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.05	-6.06	-16.94	-54.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.38	-13.37	-34.62	-111.42
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-3.81	-14.67	-37.74	-121.57
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.32	-2.61	-7.64	-24.22
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.27	-1.13	-2.97	-9.53
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.76	-2.93	-7.53	-24.25
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.18	-0.46	-1.49
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-5.79	-19.29	-47.59	-154.15
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.94	-7.22	-21.02	-66.69
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.34	-2.70	-7.89	-25.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.14	-0.34	-1.09
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-32.55	-119.74	-304.24	-981.66

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-25.17	-94.79	-242.41	-781.50
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-0.80	-2.00	-6.48
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.92	-10.71	-27.21	-87.80
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.20	-0.50	-1.62
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-14.82	-50.14	-124.29	-402.36
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-14.89	-50.39	-124.91	-404.39
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-8.29	-46.34	-128.98	-411.34
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.08	-0.34	-0.89	-2.86
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.14	-0.51	-1.29	-4.16
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.32	-5.00	-12.81	-41.30
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.65	-11.58	-33.34	-105.89
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.51	-4.13	-12.11	-38.38
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-8.20	-32.68	-84.81	-272.90
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.84	-13.44	-36.25	-116.06
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.25	-0.67	-2.16
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.14	-23.55	-63.12	-202.25
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.24	-1.91	-5.57	-17.67
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.14	-0.39	-1.23
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.05	-0.20	-0.52	-1.67
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.14	-0.33	-1.07
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.15	-4.68	-12.22	-39.28
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.27	-1.08	-2.79	-8.99

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.27	-1.08	-2.80	-8.99
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.16	-0.59	-1.48	-4.77
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.43	-11.40	-30.73	-98.39
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.97	-2.96	-7.11	-23.11
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.33	-0.88	-2.83
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.09	-9.90	-26.71	-85.51
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-8.16	-27.98	-69.66	-225.38
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-15.47	-54.43	-136.54	-441.30
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-39.64	-143.31	-362.34	-1,169.88
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-46.78	-199.82	-527.37	-1,693.19
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.15	-4.68	-12.22	-39.28
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.45	-1.78	-4.59	-14.78
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.10	-4.45	-11.61	-37.34
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.43	-17.24	-47.09	-150.53
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-8.67	-27.64	-67.22	-218.19
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-13.14	-51.43	-132.84	-427.69
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-12.25	-42.92	-107.54	-347.63
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.55	-30.86	-83.23	-266.47
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-15.37	-63.59	-166.56	-535.27
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-8.14	-36.75	-98.20	-314.77
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-16.03	-66.29	-173.61	-557.93
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-14.85	-61.58	-161.40	-518.65

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.31	-0.77	-2.48
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.44	-21.13	-57.09	-182.76
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-11.03	-42.17	-108.28	-348.89
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-10.11	-38.06	-97.32	-313.74
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.47	-2.05	-5.43	-17.42
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.82	-4.36	-12.04	-38.43
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.14	-0.39	-1.24
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.92	-2.68	-8.50
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.56	-30.92	-83.39	-267.01
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.34	-25.19	-67.92	-217.47
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-44.95	-164.41	-417.04	-1,345.93
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-44.24	-162.15	-411.54	-1,328.06
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.82	-10.16	-25.67	-82.89
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-2.81	-13.40	-36.19	-115.86
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-31.06	-151.74	-412.14	-1,318.42
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-24.32	-120.54	-328.32	-1,049.91
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-30.82	-149.86	-406.65	-1,301.00
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.01	-36.93	-93.90	-302.96
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-26.52	-95.71	-241.85	-780.91
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.29	-5.20	-13.54	-43.55
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-26.59	-95.97	-242.52	-783.08
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	ons per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01	-0.04	
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.15	-0.48	-1.19	-3.85	
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.26	-0.65	-2.10	
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.24	-0.62	-1.99	
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.84	-4.13	-11.23	-35.91	
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.35	-2.29	-6.53	-20.77	
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.04	-0.14	
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.19	-1.09	-3.03	-9.66	
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.51	-12.71	-32.14	-103.78	
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.35	-1.58	-4.22	-13.53	
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.22	-13.24	-32.03	-104.04	
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.15	-3.86	-9.54	-30.88	
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.09	-0.26	-0.82	
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.35	-1.48	-3.90	-12.52	
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.58	-2.21	-5.68	-18.31	
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.38	-1.05	-3.34	
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.42	-2.37	-6.62	-21.09	
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.36	-1.02	-3.24	
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.25	-5.64	-15.07	-48.31	
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.17	-0.40	-1.30	
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.22	-1.50	-4.28	-13.61	

	NAAQS		General	Emission Changes by Alternative (tons per year)				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.30	-1.13	-2.89	-9.32
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-3.38	-11.26	-27.79	-90.01
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.24	-0.59	-1.91
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.20	-0.62	-1.49	-4.85
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-0.67	-1.69	-5.47
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.22	-0.62	-1.98
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-8.45	-31.13	-79.12	-255.26
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-8.46	-31.16	-79.21	-255.56
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.24	-23.82	-66.34	-211.56
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.86	-2.43	-7.73
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.17	-1.08	-3.07	-9.77
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.90	-20.77	-52.10	-168.40
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.90	-21.89	-55.74	-179.80
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.05	-0.16	-0.40	-1.29
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.27	-0.65	-2.12
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.16	-0.40	-1.29
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.12	-0.81	-2.31	-7.34
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.11	-0.47	-1.24	-3.98
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.08	-0.21	-0.66
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-54.02	-246.52	-660.28	-2,115.92
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-52.69	-240.93	-645.57	-2,068.69

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.40	-3.25	-9.54	-30.25
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.18	-0.63	-1.56	-5.06
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.35	-1.98	-5.52	-17.61
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.70	-5.55	-16.21	-51.38
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-1.42	-5.72	-14.89	-47.90
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.42	-5.71	-14.87	-47.84
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.09	-4.11	-10.52	-33.92
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-1.09	-4.11	-10.52	-33.92
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1.36	-5.50	-14.34	-46.10
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.35	-1.72	-4.68	-14.97
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.53	-10.60	-30.44	-96.70
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.06	-0.14	-0.46
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.13	-11.24	-28.38	-91.66
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.33	-1.23	-3.12	-10.06
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.05	-0.31	-0.89	-2.84
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.38	-1.34	-3.36	-10.87
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.87	-2.96	-7.36	-23.82
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.55	-9.16	-25.72	-81.95
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.07	-0.17	-0.56
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.41	-1.63	-4.23	-13.60
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.29	-0.83	-2.64
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.41	-2.22	-6.15	-19.64

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.22	-7.10	-19.89	-63.38
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.66	-1.66	-5.38
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.22	-0.57	-1.84
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.11	-6.96	-19.73	-62.77
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-1.11	-6.96	-19.73	-62.77
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.40	-1.01	-3.25
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.25	-0.64	-2.07
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.85	-2.09	-6.77
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.85	-2.09	-6.78
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.30	-0.97	-2.38	-7.72
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-4.79	-18.83	-48.70	-156.78
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.75	-21.99	-56.47	-181.96
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.35	-1.14	-2.79	-9.06
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	-0.12
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.07	-14.08	-37.76	-120.99
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.20	-4.08	-10.12	-32.77
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.20	-0.69	-1.70	-5.51
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.08	-9.80	-26.41	-84.57
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.13	-0.37	-1.17
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.18	-0.59
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-0.42	-1.13	-3.63
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-0.82	-2.09	-6.74

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.63	-1.65	-5.29
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-2.94	-11.71	-30.41	-97.84
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.93	-11.71	-30.40	-97.81
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.15	-3.86	-9.54	-30.90
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-12.26	-42.99	-107.71	-348.18
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-12.25	-42.92	-107.54	-347.63
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.66	-1.66	-5.36
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.54	-4.35	-12.74	-40.37
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.80	-3.29	-8.62	-27.71
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.15	-5.42	-14.62	-46.81
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.68	-1.85	-5.92
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.15	-0.39	-1.26
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.74	-2.71	-6.87	-22.17
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.62	-11.20	-32.19	-102.26
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.30	-1.09	-2.76	-8.90
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-4.72	-18.96	-49.30	-158.58
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-4.72	-18.96	-49.29	-158.55
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-85.04	-278.10	-681.91	-2,210.82
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-85.04	-278.11	-681.92	-2,210.86
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-85.07	-278.37	-682.72	-2,213.39
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-85.03	-278.24	-682.39	-2,212.32

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-85.08	-278.40	-682.79	-2,213.63	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-85.08	-278.40	-682.79	-2,213.63	
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-1.49	-6.26	-16.44	-52.80	
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-4.79	-14.19	-33.62	-109.53	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.56	-2.12	-5.45	-17.55	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.58	-13.47	-37.03	-118.29	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.79	-5.16	-14.70	-46.75	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.54	-1.70	-4.11	-13.36	
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.30	-0.96	-2.32	-7.54	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.84	-2.69	-6.54	-21.24	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-23.95	-81.86	-203.55	-658.68	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.59	-9.31	-23.51	-75.93	
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.12	-0.49	-1.29	-4.16	
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.12	-0.49	-1.30	-4.17	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.45	-3.35	-9.72	-30.85	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.53	-1.80	-4.48	-14.49	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.41	-22.84	-57.49	-185.74	
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-8.47	-31.41	-79.97	-257.96	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.31	-0.75	-2.44	
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.28	-0.67	-2.18	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.29	-0.71	-2.31	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.97	-3.28	-8.11	-26.27
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-7.79	-28.56	-72.51	-233.99
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.70	-14.17	-36.40	-117.26
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.90	-25.29	-64.20	-207.17
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-19.05	-71.53	-182.78	-589.31
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-18.54	-70.11	-179.47	-578.51
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.93	-5.58	-15.70	-50.02
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.96	-5.74	-16.15	-51.44
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.56	-5.32	-13.20	-42.71
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.39	-1.29	-3.19	-10.32
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.17	-0.47	-1.49
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.43	-1.05	-3.41
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.09	-0.28
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.17	-0.59	-1.47	-4.77
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.19	-0.51	-1.62
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.19	-0.50	-1.61
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.11	-0.37	-0.93	-3.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.48	-1.27	-4.09
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.19	-0.81	-2.14	-6.86
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.86	-3.15	-7.99	-25.78
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.66	-1.93	-6.12
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.46	-1.44	-3.49	-11.33

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.15	-0.36	-1.17
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.23	-1.77	-5.16	-16.36
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.47	-1.63	-4.06	-13.15
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.47	-1.63	-4.08	-13.19
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.54	-1.40	-4.51
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.94	-19.93	-51.89	-166.88
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.63	-1.82	-5.78
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.35	-19.37	-54.22	-172.80
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-48.62	-220.32	-589.19	-1,888.47
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-82.35	-351.97	-929.04	-2,982.74
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-84.39	-361.77	-955.56	-3,067.62
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-83.35	-360.06	-952.75	-3,057.88
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.42	-1.01	-3.29
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.76	-43.00	-111.69	-359.34
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.44	-1.62	-4.11	-13.27
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.44	-1.62	-4.11	-13.27
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.61	-1.51	-4.87
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.64	-2.21	-5.50	-17.78
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.28	-1.07	-2.73	-8.82

	NAAQS		General	Emission Changes by Alternative (tons per year)			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.26	-0.95	-2.43	-7.83
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.04
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.05	-0.14	-0.46
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.61	-2.38	-6.16	-19.82
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.34	-1.50	-4.00	-12.83
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.30	-26.16	-68.58	-220.37
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.45	-24.78	-63.70	-205.23
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-19.71	-76.11	-195.92	-631.07
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-35.14	-133.18	-341.12	-1,099.49
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-34.69	-129.48	-330.29	-1,065.16
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-23.38	-80.05	-199.15	-644.39
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-23.99	-82.02	-203.95	-659.98
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-24.28	-82.89	-206.06	-666.83
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.31	-0.87	-2.76
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.11	-0.34
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.20	-0.67	-1.67	-5.41
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.15	-3.57	-8.59	-27.93
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.40	-2.51	-7.12	-22.65
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.47	-5.98	-15.59	-50.13
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-13.98	-64.20	-172.18	-551.68

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-12.74	-58.51	-156.91	-502.74
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.02	-0.13	-0.36	-1.15
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.11	-0.37	-0.92	-2.98
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.33	-26.96	-68.50	-221.03
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.17	-0.46	-1.46
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.64	-3.39	-9.35	-29.85
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.90	-3.12	-7.80	-25.21
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.22	-11.27	-28.22	-91.24
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.26	-0.67	-2.17
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-9.62	-32.04	-79.04	-256.05
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.16	-1.31	-3.83	-12.15
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-2.14	-8.10	-20.75	-66.87
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.55	-6.20	-16.11	-51.83
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.15	-0.56	-1.42	-4.58
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-2.84	-9.39	-23.10	-74.85
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-2.84	-9.39	-23.10	-74.85
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-3.25	-10.63	-26.09	-84.57
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-84.70	-277.23	-679.99	-2,204.52
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.15	-0.43	-1.36
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.18	-8.71	-25.22	-80.04

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.49	-4.04	-11.86	-37.58
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.90	-31.31	-81.16	-261.18
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-13.17	-50.51	-129.79	-418.16
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-13.16	-50.50	-129.78	-418.12
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.04	-27.45	-68.23	-220.80
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-12.86	-49.42	-127.05	-409.31
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.33	-4.61	-11.51	-37.23
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.55	-6.81	-18.09	-58.03
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-11.36	-45.16	-117.12	-376.89
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.70	-26.44	-68.45	-220.30
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-6.70	-26.45	-68.47	-220.39
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-11.68	-44.43	-113.92	-367.12
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.42	-14.81	-39.19	-125.78
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-20.34	-76.50	-195.53	-630.40
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-20.31	-76.38	-195.23	-629.43
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-20.29	-76.18	-194.66	-627.61
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-38.58	-133.24	-332.35	-1,075.02
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-38.53	-133.08	-331.98	-1,073.81
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-38.63	-133.42	-332.81	-1,076.50
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-36.45	-126.05	-314.56	-1,017.39
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-24.09	-90.21	-230.33	-742.69
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-24.09	-90.21	-230.33	-742.69

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-24.09	-90.21	-230.33	-742.70
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-24.08	-90.20	-230.32	-742.66
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-24.08	-90.20	-230.32	-742.66
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.23	-1.51	-4.32	-13.74
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.23	-1.51	-4.32	-13.74
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.29	-0.71	-2.31
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-1.82	-5.24	-16.66
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.15
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.42	-1.03	-3.33
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.50	-4.95	-12.18	-39.46
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-17.48	-64.83	-165.11	-532.57
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.41	-1.50	-3.80	-12.28
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.66	-1.77	-5.67
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.37	-1.36	-3.46	-11.16
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.51	-1.30	-4.18
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.62	-1.55	-5.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	-0.30	-0.79	-2.54
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.22	-11.27	-28.22	-91.23
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.09	-0.56	-1.57	-4.99
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.93	-7.03	-17.79	-57.44
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.92	-6.97	-17.65	-56.99

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.68	-2.38	-5.98	-19.33
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.90	-6.62	-19.15	-60.78
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.33	-1.25	-3.20	-10.31
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.06	-0.21	-0.54	-1.74
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.85	-19.74	-51.51	-165.64
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-16.73	-69.61	-182.57	-586.63
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-17.06	-69.27	-180.61	-580.79
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.70	-4.48	-12.73	-40.50
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.04	-6.04	-16.92	-53.93
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.08	-7.06	-17.51	-56.68
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.16	-0.52	-1.28	-4.16
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.09	-0.26	-0.82
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.10	-12.77	-33.41	-107.40
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.28	-13.08	-33.96	-109.25
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.44	-1.11	-3.58
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.37	-1.25	-3.10	-10.02
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.56	-1.80	-4.41	-14.30
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.12	-0.36	-1.15
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.07	-0.17	-0.54
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.03	-0.20	-0.57	-1.82
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.44	-1.49	-3.69	-11.95
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.11	-0.85	-2.50	-7.93

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.16	-14.24	-35.42	-114.63
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.33	-1.32	-3.41	-10.97
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.08	-0.25
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	-0.03	-0.08	-0.25
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.30	-17.70	-51.55	-163.51
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.21	-0.55	-1.76
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.35	-10.49	-30.58	-96.98
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.57	-14.10	-36.51	-117.52
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.78	-6.26	-15.69	-50.70
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-4.82	-18.80	-48.52	-156.23
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-4.81	-18.78	-48.48	-156.08
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.36	-0.93	-2.99
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.80	-3.13	-8.07	-25.98
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.03	-0.12	-0.31	-1.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.32	-1.22	-3.12	-10.05
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.15	-0.49	-1.19	-3.86
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.57	-4.67	-13.69	-43.39
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.75	-5.89	-17.21	-54.56
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.81	-6.35	-18.53	-58.75
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.53	-11.18	-27.14	-88.10
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-28.87	-97.05	-240.10	-777.48

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-27.98	-89.67	-218.41	-708.77
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1.57	-6.25	-16.22	-52.19
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.40	-1.81	-4.87	-15.59
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.34	-1.05	-2.54	-8.24
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.25	-0.61	-1.97
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.07	-0.26	-0.68	-2.18
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.15	-1.24	-3.63	-11.52
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.52	-7.79	-18.75	-60.95
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.17	-3.92	-9.69	-31.37
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.68	-2.98	-7.90	-25.34
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-1.02	-2.71	-8.70
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.06	-4.13	-10.67	-34.36
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.69	-2.67	-6.86	-22.11
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.06	-4.04	-10.35	-33.37

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; PM2.5 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-9. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Carbon Monoxide (CO), 2035

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-32.21	-49.16	-99.87	-266.96
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-133.78	-204.36	-409.83	-1,087.73
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.24	-0.37	-0.75	-2.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-73.61	-112.33	-228.32	-610.42
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-6.57	-10.03	-20.37	-54.44
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.39	-8.24	-16.61	-44.22
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-71.52	-109.21	-220.30	-586.57
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.95	-1.45	-2.81	-7.31
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.52	-6.96	-12.58	-31.37
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-47.16	-71.96	-146.31	-391.21
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-54.29	-82.84	-168.45	-450.44
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	8.95	13.52	31.12	88.40
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.66	-5.58	-11.36	-30.38
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-9.49	-14.50	-29.05	-77.09
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.36	-0.55	-1.02	-2.60
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-92.34	-140.90	-286.68	-766.85
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	17.57	26.54	61.68	175.98
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	3.12	4.71	10.98	31.38
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.62	-0.95	-1.93	-5.16
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-483.93	-738.47	-1,502.26	-4,018.10

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-366.98	-560.00	-1,139.16	-3,046.85
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.51	-5.35	-10.89	-29.12
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-41.42	-63.21	-128.34	-342.91
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.81	-1.24	-2.51	-6.69
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-233.81	-356.80	-725.57	-1,940.31
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-235.05	-358.70	-729.43	-1,950.62
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-51.98	-79.60	-153.94	-400.27
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.03	-1.57	-3.18	-8.46
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-2.08	-3.18	-6.47	-17.30
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-19.08	-29.12	-59.22	-158.35
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.88	-2.93	-4.19	-8.68
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	4.26	6.43	14.86	42.29
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-110.97	-169.37	-343.38	-916.77
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-32.20	-49.13	-99.83	-266.84
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.57	-0.87	-1.76	-4.70
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-61.36	-93.63	-190.50	-509.56
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	4.28	6.46	14.96	42.60
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07	-0.14
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.77	-1.17	-2.38	-6.37
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.67	-1.03	-2.10	-5.60
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-15.49	-23.63	-48.04	-128.44
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-3.74	-5.71	-11.61	-31.04

NAAOS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.74	-5.71	-11.61	-31.05
SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.48	-3.78	-7.69	-20.58
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-26.12	-39.89	-80.35	-213.78
SO ₂ (2010 1- hour)	Maintenance,	100	0	-16.03	-24.47	-49.78	-133.17
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.32	-0.49	-0.99	-2.66
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-16.64	-25.50	-48.94	-126.71
CO (1971 8- hour)	Maintenance, Not Classified	100	0	-128.08	-195.44	-397.65	-1,063.67
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-237.17	-361.91	-736.33	-1,969.61
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-577.31	-881.25	-1,784.88	-4,762.82
Ozone (2008 8-hour)	Maintenance, Serious	10	0	-595.12	-908.29	-1,843.49	-4,924.76
Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-15.48	-23.63	-48.04	-128.43
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.10	-9.31	-18.94	-50.66
PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-14.74	-22.50	-45.73	-122.28
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-34.96	-53.36	-108.14	-288.67
Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-142.66	-217.69	-442.85	-1,184.50
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-184.33	-281.30	-571.84	-1,528.95
PM10 (1987 24-hour)	Maintenance, Serious	100	0	-187.06	-285.44	-580.75	-1,553.47
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-75.42	-115.09	-234.15	-626.31
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-204.06	-311.41	-632.84	-1,691.70
PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-99.07	-151.17	-307.55	-822.62
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-211.91	-323.41	-656.78	-1,755.08
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-196.67	-300.14	-609.90	-1,630.35
	(Standard) Ozone (2015 8-hour) SO ₂ (2010 1-hour) PM2.5 (2006 24-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2006 24-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) CO (1971 8-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) PM10 (1987 24-hour) CO (1971 8-hour) CO (1971 8-hour) COzone (2015 8-hour) PM2.5 (2012 Annual) Ozone (2008 8-hour) PM2.5 (2012 Annual) Ozone (2008 8-hour)	Pollutant (Standard)Status, Severity ClassificationaOzone (2015 8-hour)Nonattainment, MarginalSO2 (2010 1- hour)Maintenance,PM2.5 (2006 24-hour)Maintenance, Former Subpart 1SO2 (2010 1- hour)Maintenance,SO2 (1971 24- hour/Annual)Maintenance, PrimaryPM2.5 (2006 24-hour)Maintenance, Former Subpart 1CO (1971 8- hour)Maintenance, Not ClassifiedOzone (2008 8-hour)Maintenance, MarginalOzone (2015 8-hour)Nonattainment, ModerateOzone (2008 8-hour)Nonattainment, MarginalCO (1971 8- hour)Maintenance, Moderate <= 12.7ppmPM2.5 (2006 24-hour)Maintenance, ModerateOzone (2015 8-hour)Nonattainment, ModerateOzone (2015 8-hour)Maintenance, MarginalPM10 (1987 24-hour)Maintenance, MarginalPM10 (1987 24-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Nonattainment, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, ModeratePM2.5 (2012 Annual)Maintenance, ModeratePM2.5 (2012 Annual)Maintenance, ModeratePM2.5 (2006 Maintenance, MarginalMaintenance, MarginalPM2.5 (2006 Naintenance, MarginalMaintenance, Marginal	Pollutant (Standard)	NAUS Pollutant (Standard) Classification	No. Pollutant (Standard) Classification Conformity No. Pollut3	Navigation Status, Severity (Classifications Conformity (Standard) Status, Severity (Classifications Conformity (Standard) So., (2010 1- Marginal So., (2010 1- Marginal So., (2010 1- Maintenance, Hour) Moderate Hour) Maintenance, Hour) Marginal Hour) Maintenance, Hour) Marginal Hour) Maintenance, Hour) Maintenance, Hour) Marginal Hour) Maintenance, Hour) Moderate Hour)	Pollutant (Standard)

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.21	-1.85	-3.76	-10.05		
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-48.90	-74.63	-151.45	-404.56		
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-158.56	-241.96	-492.10	-1,316.04		
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-147.14	-224.53	-456.65	-1,221.24		
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.85	-8.92	-18.14	-48.52		
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.60	-4.04	-6.15	-13.48		
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.15	-0.28	-0.74		
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.26	0.39	1.07	3.24		
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-75.57	-115.31	-234.60	-627.51		
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-61.57	-93.95	-191.14	-511.27		
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-658.33	-1,004.79	-2,038.77	-5,445.59		
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-646.75	-987.12	-2,002.82	-5,349.42		
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-42.58	-64.98	-132.21	-353.64		
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-17.55	-26.99	-49.14	-123.19		
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-318.49	-486.32	-980.78	-2,611.10		
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-241.10	-368.18	-741.46	-1,972.42		
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-318.60	-486.47	-981.50	-2,613.60		
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-147.19	-224.61	-456.61	-1,220.85		
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-391.60	-597.69	-1,212.34	-3,237.61		
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-16.90	-25.79	-52.15	-139.03		
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-392.64	-599.29	-1,215.60	-3,246.31		
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
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	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.03	-0.04	-0.09	-0.24
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-2.34	-3.57	-7.26	-19.42
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.99	-1.51	-3.07	-8.21
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.86	-1.32	-2.69	-7.18
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.86	-12.00	-24.23	-64.56
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	3.32	4.99	12.22	35.64
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.05	-0.08	-0.16	-0.42
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.42	-2.17	-4.15	-10.71
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-51.76	-79.00	-160.39	-428.56
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.44	-5.26	-10.44	-27.54
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-68.86	-105.09	-213.29	-569.78
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-17.51	-26.72	-54.37	-145.44
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.04	0.11
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.04	-4.64	-9.37	-24.96
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-5.67	-8.65	-17.53	-46.78
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.48	-0.74	-1.50	-4.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.93	-4.48	-9.11	-24.37
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.46	-0.70	-1.43	-3.83
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-14.72	-22.47	-45.70	-122.20
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.86	-1.30	-2.65	-7.10
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.60	0.90	2.49	7.60

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.29	-6.55	-13.32	-35.62
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-52.74	-80.48	-163.73	-437.94
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.05	-1.60	-3.25	-8.69
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.10	-0.27
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.33	-5.09	-10.35	-27.69
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.61	-3.98	-8.10	-21.68
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.55	0.83	1.98	5.74
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-125.48	-191.48	-389.53	-1,041.87
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-125.61	-191.68	-389.93	-1,042.94
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-19.59	-30.14	-54.60	-136.40
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.19	-0.04	0.37
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.12	-0.19	-0.05	0.35
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-90.51	-138.12	-280.86	-751.07
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-87.03	-132.80	-270.14	-722.52
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.96	-1.46	-2.97	-7.93
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.63	-2.49	-5.06	-13.53
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.95	-1.45	-2.96	-7.91
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.08	-0.12	-0.04	0.22
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.39	-2.13	-4.32	-11.54
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.25	-0.38	-0.78	-2.07
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-598.19	-913.54	-1,838.34	-4,888.31
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-581.20	-887.62	-1,785.88	-4,748.36

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	2.84	4.30	9.89	28.10
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	-2.85	-4.36	-8.86	-23.70
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.95	-4.50	-9.15	-24.47
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.26	6.43	15.07	43.14
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-19.50	-29.75	-60.53	-161.92
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-19.47	-29.71	-60.45	-161.70
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-15.23	-23.23	-47.27	-126.45
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-15.23	-23.23	-47.27	-126.45
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-18.45	-28.16	-57.29	-153.25
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.08	-4.72	-9.33	-24.56
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.09	6.09	16.71	50.89
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-0.36	-0.74	-1.97
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-47.30	-72.17	-146.82	-392.69
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-5.06	-7.72	-15.71	-42.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.70	-1.07	-2.17	-5.80
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.76	-8.80	-17.88	-47.78
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-13.18	-20.12	-40.93	-109.48
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-6.27	-9.65	-17.38	-43.27
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.25	-0.39	-0.79	-2.11
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.64	-8.61	-17.52	-46.85
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.39	-0.76	-1.98
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.79	-4.28	-8.36	-21.89

	NAAQS		General	Emission Changes by Alternative (tons per year			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.79	-4.35	-6.15	-12.58
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.57	-3.92	-7.97	-21.31
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.56	-0.85	-1.72	-4.61
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	8.17	12.24	31.33	93.01
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	8.17	12.24	31.33	93.01
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.59	-2.42	-4.93	-13.18
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.02	-1.56	-3.17	-8.47
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.49	-5.33	-10.84	-28.98
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.50	-5.34	-10.85	-29.02
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-4.01	-6.12	-12.45	-33.29
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-66.30	-101.18	-205.43	-548.89
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-81.67	-124.65	-253.09	-676.26
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.46	-8.33	-16.94	-45.31
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.08
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-31.30	-47.84	-95.22	-251.66
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-18.95	-28.92	-58.84	-157.37
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.30	-5.03	-10.24	-27.38
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-18.74	-28.67	-56.24	-147.42
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.15	-0.23	-0.46	-1.23
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.23	-0.60
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.22	-1.86	-3.79	-10.13
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.35	-5.12	-10.41	-27.84

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.98	-3.03	-6.16	-16.47
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-40.69	-62.08	-126.30	-337.81
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-40.68	-62.07	-126.27	-337.74
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.15
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-17.52	-26.74	-54.40	-145.52
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-187.36	-285.90	-581.69	-1,555.97
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-187.06	-285.44	-580.75	-1,553.47
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.61	-3.98	-8.10	-21.65
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	4.08	6.16	14.30	40.80
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-10.70	-16.33	-33.23	-88.90
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-8.38	-12.86	-24.26	-62.16
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.95	-1.45	-2.81	-7.31
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.37	-0.75	-2.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-11.04	-16.85	-34.28	-91.68
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.60	8.37	22.04	66.14
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.43	-6.76	-13.75	-36.78
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-51.33	-78.56	-153.36	-400.97
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-51.31	-78.53	-153.31	-400.83
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-1,355.01	-2,067.95	-4,200.26	- 11,225.13
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-1,355.04	-2,068.00	-4,200.35	- 11,225.38
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-1,354.66	-2,067.42	-4,199.14	- 11,222.08
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-1,353.98	-2,066.38	-4,197.03	- 11,216.43

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-1,354.83	-2,067.68	-4,199.68	- 11,223.53
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-1,354.83	-2,067.68	-4,199.68	- 11,223.53
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-19.61	-29.92	-60.82	-162.62
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-82.32	-125.62	-255.59	-683.67
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-8.05	-12.28	-24.98	-66.82
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-17.34	-26.57	-50.80	-131.22
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.75	7.11	18.14	53.76
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-8.74	-13.34	-27.14	-72.60
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-4.87	-7.43	-15.11	-40.42
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-13.87	-21.16	-43.05	-115.17
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-374.61	-571.64	-1,163.05	-3,111.08
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-39.08	-59.63	-121.30	-324.44
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-1.57	-2.39	-4.86	-13.00
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.57	-2.40	-4.88	-13.04
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.95	1.42	3.78	11.36
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.98	-12.17	-24.77	-66.26
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-97.24	-148.39	-301.65	-806.52
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-124.06	-189.32	-384.82	-1,028.85
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.28	-1.96	-3.99	-10.67
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.14	-1.73	-3.53	-9.44
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.22	-1.86	-3.78	-10.11

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	· year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-15.25	-23.28	-47.29	-126.40
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-115.96	-176.94	-360.01	-963.01
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-53.22	-81.21	-165.24	-442.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-102.92	-157.06	-319.55	-854.76
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-271.94	-415.06	-841.94	-2,248.51
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-263.51	-402.20	-815.79	-2,178.54
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.13	-9.35	-18.96	-50.61
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.30	-9.61	-19.49	-52.05
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-24.34	-37.14	-75.56	-202.11
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.14	-7.84	-15.94	-42.63
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.47	-0.71	-1.45	-3.87
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.20	-1.83	-3.73	-9.98
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.14	-0.22	-0.44	-1.18
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.64	-4.03	-8.20	-21.93
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.55	-0.84	-1.71	-4.58
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.54	-0.83	-1.69	-4.51
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.62	-2.47	-5.03	-13.46
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.45	-2.21	-4.50	-12.04
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.48	-3.79	-7.70	-20.61
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-12.57	-19.19	-39.01	-104.31
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.06	0.25	0.86
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.45	-11.37	-23.14	-61.90

	NAAQS		General Emission Changes by Alternative (tons per ye				year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.70	-1.06	-2.16	-5.78
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.65	2.48	5.89	16.98
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-7.43	-11.34	-23.06	-61.69
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-7.45	-11.37	-23.14	-61.90
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.86	-2.83	-5.76	-15.41
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-67.76	-103.40	-210.38	-562.75
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.58	0.87	2.15	6.32
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-26.91	-41.06	-83.54	-223.47
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-587.77	-896.94	-1,824.27	-4,878.91
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1,064.66	-1,624.67	-3,304.60	-8,838.23
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1,087.74	-1,659.89	-3,376.27	-9,029.98
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1,065.17	-1,625.45	-3,306.19	-8,842.50
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.81	-2.76	-5.62	-15.05
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-141.59	-216.14	-437.42	-1,166.71
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.11	-0.22	-0.59
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.46	-9.86	-20.05	-53.64
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.46	-9.86	-20.05	-53.64
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.65	-4.04	-8.20	-21.91
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-9.67	-14.76	-29.95	-80.01
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	-4.15	-6.34	-12.90	-34.50

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.69	-5.63	-11.45	-30.63
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.15
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.14	-0.22	-0.44	-1.18
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-8.44	-12.88	-26.19	-70.05
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.15	-6.34	-12.88	-34.43
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-75.03	-114.63	-229.55	-608.79
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-91.76	-140.03	-284.53	-760.54
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-267.11	-407.81	-823.87	-2,195.40
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-494.90	-755.43	-1,530.75	-4,085.72
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-469.41	-716.90	-1,442.25	-3,834.52
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-365.57	-557.84	-1,134.99	-3,036.01
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-375.86	-573.55	-1,166.95	-3,121.52
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-380.43	-580.53	-1,181.13	-3,159.45
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.02	0.09
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.33	-0.68	-1.81
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.16	-4.82	-9.81	-26.25
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-18.80	-28.69	-58.37	-156.13
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.85	-1.32	-1.99	-4.33
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-19.65	-29.99	-60.85	-162.54
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-146.11	-223.25	-445.98	-1,181.15

	NAAQS		General	Em	ission Chang	n Changes by Alternative (tons per y				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-133.17	-203.48	-406.53	-1,076.74		
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.17	-0.26	-0.54	-1.43		
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.82	-2.78	-5.65	-15.10		
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-108.05	-164.89	-335.33	-896.78		
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.47	-0.95	-2.55		
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.84	-8.91	-18.13	-48.50		
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-13.75	-20.98	-42.68	-114.16		
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-48.29	-73.70	-149.47	-399.13		
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.77	-1.17	-2.39	-6.39		
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-153.93	-234.90	-477.90	-1,278.32		
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	5.02	7.58	17.48	49.68		
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-31.05	-47.38	-96.37	-257.75		
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-20.70	-31.58	-64.26	-171.88		
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.99	-3.04	-6.18	-16.53		
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-45.90	-70.04	-142.51	-381.20		
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-45.90	-70.04	-142.51	-381.20		
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-52.77	-80.53	-163.84	-438.25		
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1,348.41	-2,057.89	-4,179.75	- 11,170.21		
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.09	-0.19	-0.51		
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.47	2.17	6.36	19.82		

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	3.93	5.94	13.72	39.03
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-90.30	-138.08	-272.95	-718.70
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-168.94	-258.10	-516.95	-1,371.09
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-168.92	-258.06	-516.88	-1,370.90
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-122.57	-187.08	-379.34	-1,012.87
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-163.66	-250.03	-500.54	-1,327.22
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-20.27	-30.93	-62.92	-168.32
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-13.59	-20.83	-40.04	-103.76
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-149.02	-227.49	-460.50	-1,228.47
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-87.95	-134.30	-270.91	-721.31
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-88.00	-134.37	-271.04	-721.68
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-166.75	-254.49	-516.80	-1,380.99
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-31.92	-48.94	-93.12	-239.84
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-297.41	-453.83	-923.32	-2,469.76
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-296.95	-453.13	-921.89	-2,465.93
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-296.66	-452.70	-921.02	-2,463.60
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-582.02	-888.43	-1,799.66	-4,802.61
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-581.27	-887.29	-1,797.34	-4,796.38
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-583.03	-889.96	-1,802.77	-4,810.92
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-546.90	-834.83	-1,690.61	-4,510.91
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-318.79	-486.95	-977.30	-2,594.96
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-318.79	-486.95	-977.30	-2,594.97

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-318.80	-486.96	-977.32	-2,595.01
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-318.78	-486.93	-977.25	-2,594.83
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-318.78	-486.93	-977.25	-2,594.83
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.83	-1.29	-2.89
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.83	-1.29	-2.89
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.75	-2.66	-5.42	-14.50
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.69	-1.06	-2.05	-5.32
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.16
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.84	-2.80	-5.71	-15.26
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-24.15	-36.85	-74.98	-200.55
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-256.46	-391.35	-796.13	-2,129.45
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-5.92	-9.03	-18.38	-49.15
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.33	-2.03	-4.11	-10.97
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-5.38	-8.21	-16.70	-44.68
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.94	-2.96	-6.03	-16.13
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.67	-4.07	-8.28	-22.15
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.06	-1.62	-3.30	-8.82
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-48.28	-73.70	-149.46	-399.10
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.22	-0.35	-0.54	-1.22
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-28.48	-43.46	-88.42	-236.49
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-28.24	-43.09	-87.66	-234.46

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	-32.18 -86.08 25.34 73.35 -14.83 -39.65 -2.22 -5.93 172.72 -456.75 622.39 -1,653.38 686.59 -1,830.62 -1.71 -2.71 -18.44 -48.07 100.67 -269.23			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.37	-15.82	-32.18	-86.08			
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	7.00	10.54	25.34	73.35			
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.78	-7.30	-14.83	-39.65			
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.71	-1.09	-2.22	-5.93			
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-56.73	-86.69	-172.72	-456.75			
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-202.85	-309.83	-622.39	-1,653.38			
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-222.39	-339.51	-686.59	-1,830.62			
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.94	-1.48	-1.71	-2.71			
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.20	-9.49	-18.44	-48.07			
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-32.44	-49.50	-100.67	-269.23			
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.54	-3.87	-7.87	-21.06			
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.05	0.13			
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-41.55	-63.40	-128.96	-344.92			
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-44.76	-68.31	-138.87	-371.31			
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.67	-2.55	-5.18	-13.86			
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.55	-8.47	-17.19	-45.93			
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.87	-13.53	-27.53	-73.64			
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.03	0.11			
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.34	-0.51	-1.05	-2.80			
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	1.09	1.64	3.82	10.92			
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-6.83	-10.42	-21.19	-56.68			
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.46	0.69	1.67	4.84			

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-63.79	-97.34	-198.04	-529.75
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.71	-7.19	-14.62	-39.11
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.03	0.09
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.01	0.01	0.03	0.09
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	2.01	2.98	8.36	25.64
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.59	-0.89	-1.82	-4.87
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	1.43	2.13	5.87	17.91
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-46.25	-70.63	-142.15	-378.05
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-27.17	-41.47	-84.36	-225.63
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-51.80	-79.28	-154.77	-404.66
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-51.70	-79.13	-154.47	-403.86
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.10	-1.68	-3.37	-8.94
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-10.57	-16.14	-32.51	-86.47
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.32	-0.49	-0.98	-2.62
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.60	-7.02	-14.28	-38.21
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-2.51	-3.83	-7.78	-20.82
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	4.79	7.23	16.71	47.57
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	4.23	6.39	15.01	43.05
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.02	6.06	14.36	41.30
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-58.32	-88.99	-181.06	-484.33
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-459.04	-700.49	-1,425.07	-3,811.76

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-459.29	-700.87	-1,425.86	-3,813.90
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-20.90	-31.89	-64.88	-173.56
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.91	-5.98	-11.85	-31.24
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.57	-8.50	-17.29	-46.26
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.58	-2.41	-4.91	-13.14
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.73	-1.11	-2.26	-6.04
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	3.32	5.02	11.54	32.78
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-42.36	-64.65	-131.53	-351.84
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-18.11	-27.64	-56.23	-150.41
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.12	-12.39	-25.21	-67.43
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.78	-4.24	-8.64	-23.10
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-14.84	-22.64	-46.05	-123.14
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-9.53	-14.55	-29.60	-79.18
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-14.93	-22.79	-46.37	-124.03

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: U.S. EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-10. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Carbon Monoxide (CO), 2050

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-18.03	-72.69	-178.73	-611.58
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-85.26	-323.92	-771.64	-2,622.05
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.47	-1.15	-3.94
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-40.87	-165.10	-406.38	-1,390.87
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.66	-14.72	-36.14	-123.62
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.26	-12.68	-30.61	-104.31
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-43.02	-167.60	-404.80	-1,379.75
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.81	-2.73	-6.08	-20.33
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-5.63	-16.92	-34.37	-112.26
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-26.10	-105.59	-260.07	-890.26
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-30.02	-121.49	-299.32	-1,024.65
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.22	4.43	27.69	107.18
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.01	-8.17	-20.14	-68.97
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-6.27	-23.75	-56.51	-191.96
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.38	-1.22	-2.57	-8.50
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-50.88	-206.59	-509.79	-1,745.78
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.57	6.09	50.76	200.16
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-1.05	0.98	8.95	35.45
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.40	-1.62	-4.00	-13.70
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-266.21	-1,079.99	-2,664.00	-9,122.05

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c						
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-201.96	-819.17	-2,020.43	-6,918.19		
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.92	-7.81	-19.28	-66.03		
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-24.02	-96.51	-236.88	-810.25		
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.46	-1.85	-4.52	-15.44		
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-129.14	-522.94	-1,288.70	-4,411.86		
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-129.82	-525.71	-1,295.53	-4,435.23		
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-44.43	-150.43	-333.91	-1,115.96		
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.60	-2.35	-5.70	-19.44		
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.14	-4.64	-11.46	-39.25		
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.55	-42.70	-105.22	-360.19		
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.76	-12.71	-23.13	-73.12		
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.18	1.84	12.78	49.84		
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-63.35	-252.63	-617.73	-2,111.21		
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-18.02	-72.66	-178.65	-611.32		
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.40	-1.59	-3.89	-13.31		
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-33.78	-137.14	-338.37	-1,158.73		
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.22	1.80	12.85	50.22		
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.23	-0.41	-1.28		
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.43	-1.75	-4.29	-14.69		
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.37	-1.52	-3.76	-12.86		
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-8.59	-34.71	-85.45	-292.48		
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.06	-8.34	-20.58	-70.47		

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.06	-8.35	-20.59	-70.50
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.38	-5.58	-13.78	-47.19
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-15.96	-61.76	-148.60	-506.10
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-8.97	-36.42	-89.88	-307.80
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.58	-2.34	-5.77	-19.76
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-14.96	-49.76	-109.12	-363.60
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-70.33	-285.55	-704.65	-2,413.06
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-130.87	-531.31	-1,311.05	-4,489.62
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-333.36	-1,323.30	-3,227.84	- 11,025.95
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-335.83	-1,346.76	-3,302.45	- 11,293.79
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-8.59	-34.70	-85.45	-292.47
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.52	-14.26	-35.16	-120.39
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-8.24	-33.30	-81.98	-280.59
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-20.11	-80.09	-195.71	-668.77
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-78.47	-318.36	-785.30	-2,689.03
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-102.29	-413.51	-1,018.17	-3,485.08
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-103.91	-421.88	-1,041.05	-3,565.05
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-41.45	-168.23	-415.07	-1,421.36
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-113.56	-458.25	-1,127.28	-3,857.76
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-54.46	-221.00	-545.23	-1,867.04
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-118.80	-477.76	-1,173.25	-4,013.59
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-109.49	-441.75	-1,086.58	-3,718.39
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	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.73	-2.98	-7.36	-25.19
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-27.98	-112.14	-274.93	-940.15
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-87.47	-354.39	-873.59	-2,990.91
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-81.16	-328.86	-810.65	-2,775.45
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.24	-13.12	-32.33	-110.70
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.50	-14.62	-26.44	-83.46
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.28	-0.62	-2.08
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.10	0.99	4.31
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-41.53	-168.55	-415.86	-1,424.05
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-33.83	-137.30	-338.77	-1,160.07
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-372.52	-1,491.77	-3,655.33	- 12,498.59
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-366.16	-1,465.95	-3,591.62	- 12,280.40
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-23.38	-94.94	-234.28	-802.29
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-21.05	-63.94	-130.98	-428.80
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-192.33	-748.50	-1,806.72	-6,157.35
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-148.04	-572.55	-1,377.35	-4,690.53
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-191.98	-748.58	-1,808.77	-6,165.73
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-81.85	-330.88	-814.70	-2,788.62
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-222.41	-889.16	-2,176.88	-7,441.95
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-9.88	-38.90	-94.46	-322.36
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-222.97	-891.44	-2,182.51	-7,461.22
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	Emission Changes by Alternative (tons per year		year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.01	-0.05	-0.13	-0.45
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	-1.30	-5.27	-13.01	-44.56
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.62	-2.53	-6.24	-21.36
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.48	-1.93	-4.76	-16.31
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.12	-20.11	-48.80	-166.52
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.25	-1.43	6.06	27.82
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.14	-0.34	-1.18
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.07	-3.33	-6.98	-22.97
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-29.29	-117.66	-288.79	-987.80
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.44	-8.90	-20.70	-69.98
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-38.90	-155.97	-382.42	-1,307.79
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.10	-41.02	-101.23	-346.68
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.01	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-2.59	-10.26	-24.99	-85.35
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-4.59	-18.36	-44.98	-153.78
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.31	-1.24	-3.07	-10.50
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.93	-7.85	-19.38	-66.37
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.30	-1.21	-2.97	-10.19
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.44	-34.18	-84.24	-288.42
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.47	-1.92	-4.75	-16.26
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.00	-1.58	-0.82	-0.54

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.36	-9.57	-23.60	-80.82
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-29.71	-120.58	-297.51	-1,018.77
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.66	-2.69	-6.65	-22.76
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.13	-0.45
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.83	-7.43	-18.35	-62.83
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.57	-6.39	-15.77	-54.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.31	-0.13	1.09	4.76
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-69.02	-280.02	-690.71	-2,365.12
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-69.09	-280.31	-691.42	-2,367.56
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-24.08	-72.64	-147.98	-483.69
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.75	-1.77	-2.79	-8.38
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.74	-1.75	-2.75	-8.24
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-50.00	-202.44	-498.87	-1,707.86
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-47.99	-194.64	-480.02	-1,643.64
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.48	-1.95	-4.81	-16.47
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.79	-3.20	-7.91	-27.08
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.48	-1.95	-4.81	-16.47
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.45	-1.01	-1.48	-4.32
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.77	-3.11	-7.65	-26.19
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.13	-0.52	-1.28	-4.36
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-368.75	-1,421.29	-3,412.74	- 11,617.18
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-358.88	-1,382.25	-3,317.67	- 11,292.56

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.71	1.39	8.77	33.98
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.57	-6.36	-15.70	-53.77
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.69	-6.85	-16.88	-57.81
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.59	0.91	11.44	45.95
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-10.71	-43.47	-107.27	-367.35
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-10.69	-43.41	-107.12	-366.82
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-8.74	-35.50	-87.60	-299.99
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-8.74	-35.50	-87.60	-299.99
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-10.22	-41.50	-102.40	-350.66
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.22	-7.99	-18.48	-62.36
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-6.30	-9.44	-3.20	3.86
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-0.53	-1.31	-4.48
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-26.03	-105.59	-260.45	-891.84
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-2.72	-11.04	-27.23	-93.25
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.19	-0.74	-1.81	-6.18
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.23	-13.01	-31.98	-109.44
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.55	-30.66	-75.66	-259.08
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-7.91	-23.70	-47.99	-156.61
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.14	-0.56	-1.38	-4.74
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.13	-12.68	-31.24	-106.94
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.75	-1.69	-5.67
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.26	-7.92	-17.96	-60.33

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.89	-17.87	-31.53	-98.71
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.55	-6.28	-15.50	-53.09
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.44	-1.79	-4.42	-15.13
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-7.78	-7.60	11.11	60.07
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-7.78	-7.60	11.11	60.07
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.88	-3.56	-8.79	-30.11
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.56	-2.27	-5.61	-19.21
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.37	-9.56	-23.54	-80.56
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.37	-9.57	-23.56	-80.65
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.70	-10.90	-26.83	-91.85
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-37.28	-149.76	-367.55	-1,257.20
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-45.87	-184.32	-452.46	-1,547.69
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.08	-12.50	-30.84	-105.62
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.11	-0.28	-0.94
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-21.44	-79.11	-185.34	-627.43
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-10.43	-42.31	-104.35	-357.32
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.78	-7.23	-17.83	-61.06
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-14.46	-50.87	-115.77	-389.24
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.42	-1.03	-3.52
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.05	-0.21	-0.51	-1.76
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.64	-2.61	-6.45	-22.09
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.86	-7.56	-18.66	-63.91

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	PC6LT8 -37.37 -766.86 -766.70 -0.30 -346.87 -3,570.65 -3,565.05 -51.45 46.22 -201.67 -191.84 -20.33 -7.71 -209.76 19.53 -84.00 -1,031.42			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.09	-4.42	-10.91	-37.37			
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-22.38	-90.79	-223.95	-766.86			
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-22.37	-90.77	-223.90	-766.70			
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.30			
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-10.11	-41.05	-101.29	-346.87			
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-104.07	-422.54	-1,042.68	-3,570.65			
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-103.91	-421.88	-1,041.05	-3,565.05			
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.51	-6.10	-15.03	-51.45			
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-1.28	1.41	11.72	46.22			
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-5.88	-23.87	-58.89	-201.67			
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-8.42	-27.07	-57.93	-191.84			
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.81	-2.73	-6.08	-20.33			
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.91	-2.25	-7.71			
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.11	-24.82	-61.25	-209.76			
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.87	-9.17	0.68	19.53			
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.45	-9.94	-24.53	-84.00			
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-39.66	-136.87	-307.67	-1,031.42			
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-39.65	-136.84	-307.58	-1,031.14			
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-761.49	-3,065.06	-7,530.22	- 25,762.60			
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-761.51	-3,065.11	-7,530.34	- 25,763.01			
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-761.39	-3,064.49	-7,528.67	- 25,757.15			
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-761.01	-3,062.98	-7,524.94	- 25,744.41			

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-761.50	-3,064.96	-7,529.81	- 25,761.07	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-761.50	-3,064.96	-7,529.81	- 25,761.07	
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-10.87	-43.94	-108.19	-370.30	
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-45.21	-183.56	-452.96	-1,551.14	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.44	-18.00	-44.42	-152.10	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-16.02	-52.88	-115.34	-383.80	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.68	-5.32	3.91	25.96	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.92	-19.99	-49.33	-168.91	
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-2.75	-11.15	-27.52	-94.23	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-7.61	-30.92	-76.30	-261.28	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-206.88	-840.00	-2,072.86	-7,098.50	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-21.51	-87.24	-215.18	-736.79	
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.86	-3.49	-8.60	-29.47	
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.86	-3.50	-8.63	-29.55	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.23	-1.72	-0.15	2.51	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.59	-18.65	-46.01	-157.57	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-53.92	-217.95	-536.60	-1,836.69	
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-68.99	-278.77	-686.25	-2,348.80	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.85	-3.44	-8.50	-29.11	
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.76	-3.09	-7.62	-26.09	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.80	-3.26	-8.05	-27.56	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-8.52	-34.32	-84.36	-288.64
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-63.81	-259.07	-639.31	-2,189.33
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-29.22	-118.66	-292.82	-1,002.77
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-56.52	-229.47	-566.27	-1,939.19
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-154.70	-618.66	-1,514.88	-5,179.00
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-149.72	-598.43	-1,464.97	-5,008.09
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.81	-15.18	-37.14	-126.94
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.91	-15.62	-38.20	-130.57
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.56	-55.05	-135.82	-465.09
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.42	-13.84	-34.08	-116.67
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.55	-1.35	-4.61
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.09	-4.44	-10.95	-37.51
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.43	-1.06	-3.64
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.49	-6.03	-14.88	-50.96
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.29	-1.19	-2.93	-10.02
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.29	-1.17	-2.88	-9.86
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.90	-3.65	-9.01	-30.85
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.85	-3.44	-8.48	-29.04
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.42	-5.77	-14.24	-48.78
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-7.03	-28.43	-70.02	-239.69
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.21	-0.39	-0.38	-0.89
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.17	-16.93	-41.77	-143.06

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.40	-1.63	-4.03	-13.81
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.74	0.15	4.31	17.65
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-4.04	-16.42	-40.53	-138.79
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-4.06	-16.48	-40.66	-139.25
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.02	-4.16	-10.26	-35.14
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-37.26	-151.27	-373.28	-1,278.30
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.44	-0.35	0.94	4.53
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-14.78	-60.00	-148.05	-507.01
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-324.06	-1,313.43	-3,238.24	- 11,087.18
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-586.53	-2,377.96	-5,863.70	- 20,077.00
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-599.15	-2,429.29	-5,990.45	- 20,511.10
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-586.79	-2,379.06	-5,866.44	20,086.40
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.17	-4.75	-11.73	-40.17
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-83.24	-329.25	-801.62	-2,737.12
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.13	-0.33	-1.14
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.58	-14.53	-35.85	-122.76
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.58	-14.53	-35.85	-122.76
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.53	-6.15	-15.08	-51.58
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.60	-22.44	-55.02	-188.16
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	-2.28	-9.26	-22.86	-78.27

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.08	-8.42	-20.77	-71.11
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.11	-0.36
Peoria County: Hollis twp,	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.08	-0.33	-0.80	-2.72
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.73	-19.17	-47.28	-161.90
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.32	-9.35	-22.99	-78.67
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-48.45	-183.05	-434.68	-1,476.02
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-51.14	-206.22	-507.12	-1,735.34
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-158.27	-620.75	-1,504.59	-5,132.40
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-284.13	-1,130.33	-2,760.30	-9,431.23
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-290.12	-1,116.99	-2,680.42	-9,123.07
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-201.72	-819.03	-2,021.13	-6,921.36
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-207.29	-841.65	-2,076.94	-7,112.47
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-209.89	-852.22	-2,103.02	-7,201.79
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.23	-0.55	-0.86	-2.57
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.43	-1.07	-3.66
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.69	-6.88	-16.98	-58.15
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-10.62	-43.12	-106.40	-364.37
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.83	-4.85	-8.77	-27.67
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-11.13	-44.58	-109.23	-373.50
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-96.56	-361.27	-853.14	-2,893.32

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-87.91	-329.05	-777.27	-2,636.14
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.09	-0.35	-0.86	-2.95
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.00	-4.05	-10.01	-34.26
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-60.02	-243.16	-599.37	-2,052.04
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.22	-0.90	-2.22	-7.61
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.35	-13.59	-33.54	-114.85
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-7.68	-31.18	-76.95	-263.50
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-27.61	-110.27	-269.85	-922.43
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.55	-2.24	-5.53	-18.95
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-84.57	-343.32	-847.11	-2,900.85
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.29	2.38	15.40	59.73
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-17.10	-69.33	-170.97	-585.41
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-11.82	-48.00	-118.45	-405.63
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.19	-4.81	-11.88	-40.67
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-25.10	-101.90	-251.46	-861.10
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-25.10	-101.90	-251.45	-861.10
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-28.87	-117.23	-289.26	-990.57
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-757.94	-3,050.51	-7,494.17	- 25,639.01
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.37	-0.90	-3.09
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.06	-5.12	-3.58	-5.56

	NAAQS		General	Em	Emission Changes by Alternative (tons per year) ^c						
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.05	1.81	12.03	46.78			
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-65.38	-235.67	-544.46	-1,837.15			
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-108.85	-411.46	-977.34	-3,318.86			
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-108.84	-411.41	-977.22	-3,318.46			
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-70.35	-280.84	-687.04	-2,348.34			
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-106.35	-401.30	-952.29	-3,233.12			
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-11.39	-46.23	-114.09	-390.71			
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-12.10	-40.42	-88.91	-296.46			
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-88.30	-349.81	-852.35	-2,910.87			
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-52.93	-206.17	-497.90	-1,697.05			
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-52.95	-206.27	-498.13	-1,697.84			
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-93.50	-375.99	-923.28	-3,158.42			
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-27.93	-89.31	-190.38	-629.83			
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-163.40	-663.29	-1,636.59	-5,604.35			
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-163.14	-662.25	-1,634.04	-5,595.62			
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-163.13	-662.18	-1,633.85	-5,594.96			
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-335.59	-1,332.96	-3,252.42	- 11,110.69			
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-335.19	-1,331.31	-3,248.37	- 11,096.81			
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-336.13	-1,335.14	-3,257.81	- 11,129.16			
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-317.02	-1,257.60	-3,066.50	- 10,474.03			
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-202.12	-770.50	-1,838.87	-6,251.11			
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-202.12	-770.51	-1,838.87	-6,251.12			

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-202.13	-770.52	-1,838.90	-6,251.22
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-202.12	-770.47	-1,838.78	-6,250.81
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-202.12	-770.47	-1,838.78	-6,250.81
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.90	-2.14	-3.43	-10.37
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.90	-2.14	-3.43	-10.37
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.85	-3.47	-8.56	-29.31
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.59	-2.01	-4.45	-14.87
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.22	-0.76
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.19	-4.81	-11.87	-40.66
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-13.26	-53.84	-132.85	-454.93
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-141.98	-576.06	-1,421.06	-4,866.05
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.32	-13.47	-33.25	-113.84
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.99	-3.90	-9.48	-32.37
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-3.02	-12.25	-30.22	-103.48
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.07	-4.33	-10.69	-36.60
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.54	-6.25	-15.42	-52.82
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.59	-2.39	-5.89	-20.16
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-27.60	-110.26	-269.83	-922.38
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.45	-1.23	-2.29	-7.28
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-15.95	-64.69	-159.57	-546.41
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-15.82	-64.19	-158.33	-542.14

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-5.75	-23.36	-57.64	-197.38
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.86	-1.14	15.28	65.65
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.67	-10.80	-26.57	-90.95
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	-1.78	-4.40	-15.08
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-38.46	-142.48	-334.52	-1,132.99
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-127.27	-486.87	-1,164.25	-3,959.56
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-130.36	-513.76	-1,248.45	-4,261.05
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.14	-7.91	-13.48	-41.71
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.14	-17.60	-39.35	-131.75
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-18.12	-73.42	-180.97	-619.59
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.41	-5.72	-14.11	-48.32
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.04	0.17
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-22.87	-92.75	-228.75	-783.25
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-25.06	-101.36	-249.64	-854.54
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.94	-3.81	-9.38	-32.12
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.19	-12.79	-31.37	-107.28
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.02	-20.36	-50.25	-172.09
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.04	-0.02	-0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.19	-0.76	-1.89	-6.46
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.37	0.30	3.00	11.94
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.76	-15.28	-37.70	-129.10
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.19	0.23	1.82	7.14

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-35.94	-145.92	-360.07	-1,233.08
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.59	-10.50	-25.91	-88.73
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.03	0.11
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.03	0.11
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.71	-6.48	-5.31	-10.32
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.41	-1.65	-4.07	-13.95
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.10	-2.80	0.20	5.93
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-28.45	-109.75	-263.67	-897.65
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-15.07	-61.16	-150.87	-516.63
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-41.38	-143.66	-324.18	-1,087.80
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-41.33	-143.45	-323.66	-1,086.00
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.73	-2.79	-6.68	-22.74
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-6.48	-25.03	-60.19	-204.95
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.17	-0.67	-1.65	-5.63
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.54	-10.30	-25.42	-87.05
Warren County, NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	-1.35	-5.46	-13.48	-46.16
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.34	2.03	14.30	55.84
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.72	0.57	10.81	43.97
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.86	0.03	9.51	39.52
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-32.02	-130.03	-320.86	-1,098.80
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-252.35	-1,024.10	-2,526.52	-8,651.59

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8 -8,656.16 -409.53 -79.05 -107.92 -25.69 -19.11 40.01 -798.24 -350.80 -161.94 -55.61 -280.93 -187.35 -290.96
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-252.47	-1,024.61	-2,527.85	-8,656.16
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-11.94	-48.46	-119.59	-409.53
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.78	-10.09	-23.40	-79.05
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.15	-12.77	-31.51	-107.92
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.75	-3.04	-7.50	-25.69
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.56	-2.26	-5.58	-19.11
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.80	1.70	10.36	40.01
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-23.26	-94.46	-233.10	-798.24
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.22	-41.51	-102.44	-350.80
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.72	-19.16	-47.29	-161.94
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.62	-6.58	-16.24	-55.61
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-8.21	-33.28	-82.05	-280.93
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.46	-22.17	-54.71	-187.35
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-8.48	-34.43	-84.96	-290.96

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-11. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acetaldehyde, 2035

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05	-0.15
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.26	-0.74
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.13	-0.35
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.13	-0.37
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.05
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.22
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.04	-0.09	-0.26
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02	-0.05
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.08	-0.16	-0.43
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	-0.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.25	-0.40	-0.83	-2.31

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.19	-0.30	-0.63	-1.75
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.07	-0.20
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.12	-0.19	-0.40	-1.10
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.12	-0.19	-0.40	-1.11
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.14	-0.40
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.03
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.09	-0.20	-0.55
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.05	-0.15
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.10	-0.29
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.03	-0.07
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.05	-0.14
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.03	-0.08
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.03	-0.05	-0.15
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.10	-0.22	-0.60
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.12	-0.19	-0.40	-1.12
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.31	-0.49	-1.01	-2.81
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.31	-0.49	-1.02	-2.85
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.03	-0.07
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.06	-0.17
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.07	-0.12	-0.24	-0.67
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.09	-0.15	-0.31	-0.87
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.10	-0.15	-0.32	-0.88
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.13	-0.36
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.35	-0.97
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.17	-0.47
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.11	-0.18	-0.36	-1.02
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.10	-0.16	-0.34	-0.94
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.08	-0.23
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.08	-0.13	-0.27	-0.75
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.08	-0.12	-0.25	-0.70
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.13	-0.36
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.10	-0.29
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.37	-0.59	-1.23	-3.42
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.37	-0.58	-1.21	-3.36
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.07	-0.20
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05	-0.15
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.18	-0.28	-0.59	-1.64
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.14	-0.22	-0.45	-1.26
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.18	-0.28	-0.59	-1.63
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	-0.12	-0.25	-0.70
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.33	-0.68	-1.90
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.03	-0.08
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.21	-0.33	-0.68	-1.90
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.04
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.02
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.09	-0.25
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.06	-0.12	-0.34
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.08
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.02
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.03
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.07
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	sion Changes by Alternative (tons p			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.04	-0.09	-0.25	
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.06	-0.10	-0.21	-0.59	
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.06	-0.10	-0.21	-0.59	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.07	-0.21	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Hancock County (part): Weirton, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.07	-0.15	-0.43	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.15	-0.41	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00	
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.36	-0.57	-1.19	-3.32	
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.35	-0.56	-1.16	-3.23	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03	-0.09
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.03	-0.09
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.06
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.04	-0.08	-0.23
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.02
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02	-0.07
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.02	-0.04	
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02	-0.04	
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02	
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.05	-0.11	-0.32	
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.14	-0.39	
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03	
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.06	-0.17	
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.03	-0.09	
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.11	
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02	

	NAAQS General Emission Chang					es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.07	-0.19
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.19
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.10	-0.15	-0.32	-0.88
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.10	-0.15	-0.32	-0.88
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.06
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.07
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.06	-0.12	-0.33
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.06	-0.12	-0.33
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.70	-1.12	-2.32	-6.47
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.70	-1.12	-2.32	-6.47
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.70	-1.12	-2.32	-6.47
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.70	-1.12	-2.32	-6.47

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.70	-1.12	-2.32	-6.47
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.70	-1.12	-2.32	-6.47
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.03	-0.09
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.14	-0.39
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.12
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.02
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.07
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.19	-0.30	-0.63	-1.76
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.07	-0.19
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.04
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.17	-0.46
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.06	-0.10	-0.21	-0.59
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.07	
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.09	-0.20	-0.55	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.09	-0.25	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.08	-0.17	-0.48	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.23	-0.47	-1.31	
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.14	-0.22	-0.46	-1.27	
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03	
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03	
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.11	
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03	
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00	
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00	
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01	
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.01	-0.03
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.01	-0.04
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.06	-0.11	-0.32
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.05	-0.13
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.30	-0.48	-1.00	-2.78
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.55	-0.87	-1.80	-5.03
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.56	-0.89	-1.84	-5.14
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.55	-0.87	-1.80	-5.03
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.12	-0.25	-0.70
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.05
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	es by Alterna	0.00		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02	
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04	
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.14	-0.40	
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.08	-0.16	-0.44	
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.23	-0.48	-1.33	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.26	-0.42	-0.86	-2.40	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.26	-0.42	-0.86	-2.40	
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.19	-0.30	-0.62	-1.72	
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.19	-0.31	-0.63	-1.77	
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.19	-0.31	-0.64	-1.79	
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.01	
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.03	-0.09	
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.03	-0.10	
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.09	-0.14	-0.30	-0.83	

	NAAOS General Emiss				nission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.27	-0.76	
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00	
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.09	-0.18	-0.51	
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03	
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.06	
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.04	-0.08	-0.23	
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.13	-0.26	-0.72	
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.05	-0.15	
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03	-0.10	
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.04	-0.08	-0.22	
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.04	-0.08	-0.22	
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.04	-0.09	-0.25	
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.70	-1.11	-2.31	-6.44	
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03	

	NAAQS		General	Em	ission Chang	es by Alterna	0.01			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.04		
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.19	-0.53		
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.10	-0.16	-0.33	-0.91		
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.10	-0.16	-0.33	-0.91		
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.21	-0.59		
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.15	-0.32	-0.88		
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.03	-0.10		
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.03	-0.09		
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.13	-0.26	-0.73		
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.16	-0.44		
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.05	-0.08	-0.16	-0.44		
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.29	-0.81		
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.08	-0.23		
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.15	-0.24	-0.50	-1.40		
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.15	-0.24	-0.50	-1.40		
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.24	-0.50	-1.40		
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.31	-0.49	-1.02	-2.85		
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.31	-0.49	-1.02	-2.84		
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.49	-1.02	-2.85		
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.29	-0.46	-0.96	-2.68		
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.18	-0.29	-0.60	-1.68		
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.18	-0.29	-0.60	-1.68		

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	n PC1LT3 PC2 -0.18 -0. -0.18 -0. -0.18 -0. 0.00 0.0	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.18	-0.29	-0.60	-1.68
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.18	-0.29	-0.60	-1.68
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.18	-0.29	-0.60	-1.68
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.01
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.01
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.04	-0.11
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.13	-0.21	-0.43	-1.21
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.03
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.08	-0.23
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.05	-0.13
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.05	-0.13

	NAAQS		General	Em	ission Change	es by Alterna	PC3LT5 PC6LT8 -0.02 -0.05 -0.01 -0.04 -0.01 -0.02 0.00 0.00 -0.11 -0.31 -0.38 -1.05 -0.39 -1.10 -0.01 -0.03 -0.02 -0.05 -0.00 -0.15 0.00 -0.15				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.05			
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.04			
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02			
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00			
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.11	-0.31			
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.18	-0.38	-1.05			
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.12	-0.19	-0.39	-1.10			
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03			
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.02	-0.05			
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.15			
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01			
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00			
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.07	-0.20			
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.21			
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01			
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03			
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04			
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00			
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00			
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00			
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.03			
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01			

	NAAQS		General Emission Chan				on Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8			
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.11	-0.30			
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02			
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00			
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00			
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02			
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00			
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02			
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.09	-0.24			
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.05	-0.13			
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.12	-0.33			
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.12	-0.33			
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01			
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.06			
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00			
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02			
Warren County, NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01			
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01			
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01			
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01			
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.10	-0.27			
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.23	-0.37	-0.78	-2.16			

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	PC6LT8 -2.16 -0.10 -0.02					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8					
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.23	-0.37	-0.78	-2.16					
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.04	-0.10					
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02					
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03					
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01					
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00					
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00					
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.07	-0.20					
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.09					
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04					
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01					
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07					
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.04					
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.07					

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO $_2$ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO $_2$ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-12. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acetaldehyde, 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.07	-0.24
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.13	-0.34	-1.16
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.16	-0.55
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.17	-0.58
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.07
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.35
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.05	-0.12	-0.41
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.03
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02	-0.08
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.08	-0.20	-0.69
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	-0.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.08	-0.43	-1.07	-3.64

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.32	-0.81	-2.77	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.10	-0.33	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.04	-0.21	-0.51	-1.75	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.04	-0.21	-0.52	-1.76	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.18	-0.62	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.02	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.04	-0.15	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.05	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.10	-0.25	-0.86	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.07	-0.24	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.13	-0.46	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.12	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.03	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.03	
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02	
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.06	-0.21	
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04	-0.12	
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.07	-0.23	
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.11	-0.28	-0.95	
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.21	-0.52	-1.78	
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.09	-0.52	-1.31	-4.45	
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.09	-0.53	-1.33	-4.52	
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.12	
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.05	
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.11	
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.08	-0.27	
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.12	-0.31	-1.06	
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.16	-0.41	-1.38	
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.03	-0.17	-0.41	-1.41	
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.17	-0.56	
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.18	-0.45	-1.54	
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.22	-0.74	
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.19	-0.47	-1.61	
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.17	-0.43	-1.48	
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.11	-0.38
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.14	-0.35	-1.19
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.13	-0.32	-1.10
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.17	-0.56
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.13	-0.46
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.11	-0.62	-1.58	-5.35
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.61	-1.55	-5.26
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.09	-0.32
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.03	-0.07	-0.24
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.30	-0.76	-2.59
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.23	-0.59	-1.99
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.05	-0.30	-0.76	-2.59
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.13	-0.33	-1.11
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.35	-0.88	-3.00
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.04	-0.13
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.35	-0.88	-3.00
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01	-0.02
Douglas (Cochise County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.07
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.02
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.12	-0.40
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.04
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.16	-0.54
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.04	-0.14
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.03
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02	-0.06
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.11
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Emission Changes by Alternative (tons per year				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.05	-0.12	-0.40
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.11	-0.27	-0.94
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.02	-0.11	-0.27	-0.94
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.10	-0.32
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.20	-0.68
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.08	-0.19	-0.65
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	-0.01
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.10	-0.60	-1.53	-5.19
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.10	-0.59	-1.49	-5.05

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.02
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.04
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.04	-0.15
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.04	-0.14
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.12
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.12
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.04	-0.14
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03	-0.09
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.10	-0.36
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.04
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.04
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03	-0.10
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.04
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.09
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.02	-0.06
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02	-0.06
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.06	-0.15	-0.50
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.18	-0.62
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.08	-0.27
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.04	-0.14
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.18
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.04	-0.09	-0.30
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.30
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.17	-0.41	-1.41
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.17	-0.41	-1.41
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	-0.10
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.10
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.06	-0.15	-0.49
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.06	-0.15	-0.49
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.21	-1.21	-3.02	-10.28
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.21	-1.21	-3.02	-10.28
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.21	-1.21	-3.02	-10.28
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.21	-1.21	-3.02	-10.27

	NAAQS		General	Emission Changes by Alternative (tons per year			General Emission Changes by Alternative (tons)	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.21	-1.21	-3.02	-10.28
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.21	-1.21	-3.02	-10.28
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.04	-0.15
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.18	-0.61
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.06	-0.19
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.07
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.04
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.03	-0.10
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.33	-0.82	-2.80
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.09	-0.29
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.06
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.09	-0.21	-0.73
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.11	-0.27	-0.93
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.11
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.25	-0.86
Milwaukee, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.12	-0.40
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.09	-0.22	-0.77
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.24	-0.61	-2.08
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.24	-0.59	-2.01
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.05
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	-0.18
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02	-0.05
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02	-0.06
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.15	-0.50
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06	-0.20
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.52	-1.29	-4.40
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.17	-0.93	-2.34	-7.95
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.17	-0.95	-2.39	-8.12
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.17	-0.93	-2.34	-7.96
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.13	-0.33	-1.11
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.05
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.08
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.03

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.06
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.18	-0.63
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.08	-0.20	-0.69
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.25	-0.62	-2.10
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.45	-1.12	-3.80
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.45	-1.12	-3.80
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.32	-0.80	-2.73
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.33	-0.83	-2.81
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.33	-0.84	-2.84
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.04	-0.14
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.04	-0.15
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.15	-0.39	-1.31

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.14	-0.35	-1.19
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.10	-0.24	-0.81
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.03	-0.10
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.04	-0.11	-0.37
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.13	-0.34	-1.15
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.07	-0.23
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	-0.16
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.02
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.10	-0.34
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.10	-0.34
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.05	-0.11	-0.39
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.21	-1.20	-3.01	-10.23
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.06
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.10	-0.25	-0.84
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.17	-0.42	-1.43
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.17	-0.42	-1.43
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.11	-0.28	-0.94
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.16	-0.41	-1.40
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.05	-0.15
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.04	-0.15
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.14	-0.35	-1.18
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.21	-0.70
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.08	-0.21	-0.70
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.15	-0.38	-1.28
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.10	-0.34
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.05	-0.26	-0.65	-2.21
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.05	-0.26	-0.65	-2.21
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.26	-0.65	-2.21
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.53	-1.32	-4.50
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.53	-1.32	-4.50
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.53	-1.33	-4.51
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.50	-1.25	-4.25
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.06	-0.31	-0.78	-2.66
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.06	-0.31	-0.78	-2.66

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.06	-0.31	-0.78	-2.66	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.31	-0.78	-2.66	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.06	-0.31	-0.78	-2.66	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.02	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.05	-0.18	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.23	-0.56	-1.92	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.04	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.04	-0.11	-0.37	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.06	-0.22	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.06	-0.21	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.08
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.05
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.04
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.14	-0.49
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.20	-0.49	-1.66
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.20	-0.51	-1.74
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.04
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.02	-0.08
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.07	-0.25
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.09	-0.31
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.34
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.04
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.05
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.14	-0.49
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.04
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.04
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.03
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.11	-0.38
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06	-0.20
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.06	-0.15	-0.52
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.06	-0.15	-0.52
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.09
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Warren County, NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.02
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.02
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.13	-0.43
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.07	-0.40	-1.00	-3.42

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.07	-0.40	-1.00	-3.42
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.05	-0.16
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.09	-0.32
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.04	-0.14
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.11
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.07
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.11

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-13. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2035

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.02	-0.03	-0.05	-0.15

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.04	-0.11	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.01	-0.01	-0.02	-0.07	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.01	-0.01	-0.02	-0.07	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.03	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.01	-0.04	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	-0.01
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	-0.01
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.03	-0.07
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.06	-0.18
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.02	-0.03	-0.06	-0.18
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.04
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.02	-0.05
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02	-0.06
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.02	-0.06
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.02	-0.06
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	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.01	
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.02	-0.05	
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.04	
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.04	-0.09	-0.24	
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.08	-0.23	
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.10	
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.03	-0.08	
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.04	-0.10	
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.04	
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.04	-0.12	
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01	
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.04	-0.12	
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.01	-0.04
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.01	-0.04
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.04	-0.07	-0.20
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.07	-0.20

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	r year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.01
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.02
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02	-0.06
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.02
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.02
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.15	-0.40
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.04	-0.07	-0.15	-0.40
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.04	-0.07	-0.15	-0.40
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.04	-0.07	-0.15	-0.40

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.07	-0.15	-0.40
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.04	-0.07	-0.15	-0.40
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	-0.01
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04	-0.11
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.01	-0.04
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.01	-0.03	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.08	
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.08	
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00	
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00	
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.17
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.05	-0.11	-0.31
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.06	-0.12	-0.32
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.11	-0.31
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.04
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	eral Emission Changes by Alternative (tons per year)				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01	-0.03
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.05	-0.15
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.05	-0.15
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.04	-0.11
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.11
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.11
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02	-0.06

	NAAQS		General	Emission Changes by Alternative (tons per y			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.01
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.05
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.02
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.14	-0.40
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.01	-0.02	-0.06
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.01	-0.02	-0.06
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.04
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.02	-0.05
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.03
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.01
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.03	-0.09
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.03	-0.09
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03	-0.09
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.06	-0.18
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.06	-0.18
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.06	-0.18
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.17
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.04	-0.10
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.01	-0.02	-0.04	-0.10

	NAAQS		General Emission Changes by Alte				rnative (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.01	-0.02	-0.04	-0.10	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04	-0.10	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04	-0.10	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.08	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.01	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.07
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.02	-0.07
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.01	-0.02	-0.05	-0.14

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.05	-0.14
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO $_2$ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO $_2$ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-14. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.04
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.03
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.04
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.03	-0.07	-0.24

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.05	-0.18
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.03	-0.11
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.03	-0.11
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.04
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.02	-0.06
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.02
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	-0.01
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01	-0.02
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03	-0.11
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.08	-0.28
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.01	-0.03	-0.08	-0.29
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.07
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03	-0.09
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03	-0.09
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.04
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03	-0.10
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03	-0.09
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.08
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.07
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.11	-0.37
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.11	-0.37
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.16
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04	-0.12
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.05	-0.16
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.07
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.06	-0.19
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.06	-0.19
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00	
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00	
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00	
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00	
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03	
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.04	
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00	
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00	
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	

	NAAQS		General	Emission Changes by Alternative (tons per year)				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02	-0.06
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.02	-0.06
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.04
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.10	-0.33
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.09	-0.32

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.03
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02	
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03	-0.09	
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.09	
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.03	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.03	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.08	-0.19	-0.66	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.01	-0.08	-0.19	-0.66	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.01	-0.08	-0.19	-0.66	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.01	-0.08	-0.19	-0.66	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.08	-0.19	-0.66
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.08	-0.19	-0.66
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	-0.01
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.05	-0.18
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.05
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.06
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.01	-0.05
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.04	-0.13
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.04	-0.13
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.28
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.06	-0.15	-0.51
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.06	-0.15	-0.52
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.15	-0.51
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.04
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.01	-0.04
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.07	-0.24
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.07	-0.24
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.05	-0.17
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.18
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.18
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03	-0.09

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.05
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.02
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.07
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.02
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.02
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.03
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.08	-0.19	-0.65
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03	-0.09
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.03	-0.09
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.06
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.09
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02	-0.08
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.05
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.08
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.04	-0.14
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.04	-0.14
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.04	-0.14
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.08	-0.29
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.08	-0.29
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.08	-0.29
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.27
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.05	-0.17
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.05	-0.17

	NAAQS		General	Em	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.05	-0.17	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.05	-0.17	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.02	-0.05	-0.17	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	-0.01	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.04	-0.12	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.11
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03	-0.11
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	-0.01
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.02
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03		
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00		
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00		
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00		
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00		
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00		
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02		
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01		
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.03		
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.03		
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01		
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00		
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00		
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00		
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00		
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00		
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03		
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.03	-0.06	-0.22		

	NAAQS		General	Em	ission Change	tive (tons per	year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.06	-0.22
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; PM2.5 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-15. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2035

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	PC6LT8 -2.06 -3.90 0.00 -1.36				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8				
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.23	-0.36	-0.75	-2.06				
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.43	-0.69	-1.42	-3.90				
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00				
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.24	-0.49	-1.36				
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.10				
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.05	-0.15				
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.24	-0.38	-0.78	-2.14				
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07				
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.11	-0.17	-0.35	-0.95				
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.30	-0.83				
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.10	-0.16	-0.34	-0.94				
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.04	-0.11				
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.05				
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.05	-0.10	-0.26				
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01				
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.15	-0.23	-0.48	-1.32				
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04				
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.02	-0.03	-0.09				
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01				
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.85	-1.35	-2.79	-7.70				

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.66	-1.04	-2.14	-5.92
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.05
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.11	-0.23	-0.65
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.38	-0.59	-1.23	-3.40
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.38	-0.60	-1.23	-3.42
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.19	-0.30	-0.62	-1.71
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.03
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.11	-0.30
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.10	-0.28
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.04	-0.11
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.38	-0.78	-2.16
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-0.36	-0.75	-2.06
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.18	-0.36	-1.00
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.09	-0.24
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.06

NAAOS		General	Em	ission Change	es by Alterna	tive (tons per	er year)°	
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.06	
SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.04	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.09	-0.19	-0.53	
SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.04	-0.09	-0.24	
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.10	-0.20	-0.56	
CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.22	-0.34	-0.71	-1.96	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.40	-0.64	-1.32	-3.64	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.01	-1.60	-3.31	-9.15	
Ozone (2008 8-hour)	Maintenance, Serious	10	0	-1.09	-1.71	-3.55	-9.79	
Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.09	-0.24	
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03	-0.10	
PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.08	-0.23	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.26	-0.73	
Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.23	-0.37	-0.76	-2.10	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.34	-0.53	-1.10	-3.04	
PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.32	-0.51	-1.05	-2.90	
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-0.25	-0.53	-1.45	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.40	-0.63	-1.31	-3.62	
PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.20	-0.32	-0.67	-1.83	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.42	-0.66	-1.37	-3.79	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.39	-0.61	-1.26	-3.49	
	(Standard) Ozone (2015 8-hour) SO ₂ (2010 1-hour) PM2.5 (2006 24-hour) SO ₂ (2010 1-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2006 24-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2015 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) Ozone (2015 8-hour) CO (1971 8-hour) Ozone (2015 8-hour)	Pollutant (Standard)Status, Severity ClassificationaOzone (2015 8-hour)Nonattainment, MarginalSO2 (2010 1- hour)Maintenance,PM2.5 (2006 24-hour)Maintenance, Former Subpart 1SO2 (2010 1- hour)Maintenance,SO2 (1971 24- hour/Annual)Maintenance, PrimaryPM2.5 (2006 24-hour)Maintenance, Former Subpart 1CO (1971 8- hour)Maintenance, Not ClassifiedOzone (2008 8-hour)Maintenance, MarginalOzone (2015 8-hour)Maintenance, SeriousOzone (2008 8-hour)Maintenance, ModerateCO (1971 8- hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, MarginalOzone (2008 8-hour)Maintenance, MarginalPM10 (1987 24-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, ModerateCO (1971 8- hour)Mointenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, ModeratePM2.5 (2012 Annual)Mointenance, ModerateOzone (2008 8-hour)Maintenance, ModeratePM2.5 (2012 Annual)Maintenance, ModerateOzone (2008 8-hour)Maintenance, ModerateOzone (2008 8-hour)Maintenance, Maintenance, Moderate <td> Pollutant (Standard)</td> <td> NAQS Pollutant (Standard)</td> <td> NARLS Pollutant (Standard) Classification Conformity Threshold No- Action PC1LT3 </td> <td> NAILS Pollutant (Standard) Status, Severity (Classifications Conformity (Thresholds No. Thresholds No. Threshold</td> <td> Pollutant Status, Severity Noncomption Noncomption Section </td>	Pollutant (Standard)	NAQS Pollutant (Standard)	NARLS Pollutant (Standard) Classification Conformity Threshold No- Action PC1LT3	NAILS Pollutant (Standard) Status, Severity (Classifications Conformity (Thresholds No. Thresholds No. Threshold	Pollutant Status, Severity Noncomption Noncomption Section	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.24	-0.50	-1.38
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.29	-0.45	-0.94	-2.59
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.26	-0.42	-0.87	-2.39
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.22
Coshocton County; Franklin Township, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.16	-0.25	-0.53	-1.45
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.21	-0.43	-1.18
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.20	-1.90	-3.92	-10.83
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.18	-1.86	-3.86	-10.66
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.13	-0.26	-0.72
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.30	-0.83
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.03	-1.64	-3.38	-9.28
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.80	-1.28	-2.64	-7.25
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.03	-1.63	-3.37	-9.25
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.27	-0.42	-0.87	-2.41
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.72	-1.14	-2.36	-6.52
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.10	-0.29
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.72	-1.14	-2.37	-6.54
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.01	-0.04
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.01
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.07	-0.20
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.04	-0.12
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02	-0.04
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.15	-0.32	-0.88
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03	-0.09
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.18	-0.37	-1.04
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.11	-0.29
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02	-0.06
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04	-0.11
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.13	-0.37
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.05	-0.13

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.14	-0.29	-0.79
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.05
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.04
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.22	-0.34	-0.71	-1.96
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.22	-0.34	-0.71	-1.96
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.11	-0.17	-0.34	-0.95
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Hancock County (part): Weirton, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.05
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.16	-0.25	-0.51	-1.41
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.24	-0.49	-1.36
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	-0.01
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.45	-2.30	-4.76	-13.10
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.42	-2.25	-4.65	-12.79

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.04	-0.09	-0.24
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.04
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.06
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.06	-0.16
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.11	-0.31
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.05	-0.11	-0.31
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.09	-0.24
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.09	-0.24
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.03	-0.05	-0.10	-0.29
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.07
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.07	-0.15	-0.42
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.08	-0.13	-0.27	-0.75
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.01	-0.03	-0.08
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.03	-0.09
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.22
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.05	-0.10	-0.29
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.03	-0.09
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.10

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	r year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.13	-0.36	
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04	
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01	
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.03	-0.07	-0.19	
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.07	-0.19	
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03	
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.06	
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.13	-0.20	-0.41	-1.13	
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.24	-0.50	-1.37	
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.08	
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.12	-0.25	-0.68	
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.05	-0.11	-0.30	
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.05	
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.17	-0.48	
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.05	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.03
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.07	-0.12	-0.24	-0.66
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.12	-0.24	-0.66
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.11	-0.29
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.32	-0.51	-1.05	-2.91
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.32	-0.51	-1.05	-2.90
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.18
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.05	-0.10	-0.28
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.21
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.08	-0.21
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.07
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.12	-0.19	-0.40	-1.09
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.12	-0.19	-0.40	-1.09
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-2.24	-3.54	-7.32	-20.24
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-2.24	-3.54	-7.32	-20.24
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-2.24	-3.54	-7.32	-20.24
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-2.24	-3.53	-7.32	-20.23

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-2.24	-3.54	-7.32	-20.24
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-2.24	-3.54	-7.32	-20.24
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.06	-0.12	-0.34
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.13	-0.20	-0.42	-1.17
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.13
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.09	-0.19	-0.51
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.09	-0.24
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.13
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.03	-0.07
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.04	-0.08	-0.21
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.60	-0.95	-1.97	-5.43
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.11	-0.23	-0.62
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.08	-0.13	-0.26	-0.72
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.05	-0.13
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.28	-0.58	-1.59
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.23	-0.36	-0.74	-2.06
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.08	-0.23
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.22	-0.35	-0.72	-2.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.16	-0.34	-0.93
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.20	-0.31	-0.64	-1.77
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.52	-0.82	-1.69	-4.67
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.50	-0.80	-1.65	-4.55
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.15
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.16
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.14	-0.39
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.04
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.04
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.07	-0.20
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.04	-0.11

	NAAQS		General	Em	ission Change	es by Alterna	es by Alternative (tons per year) ^c			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01		
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.06	-0.16		
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.04	-0.11		
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.04	-0.11		
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03		
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-0.20	-0.41	-1.14		
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00		
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03		
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.09	-0.19	-0.52		
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.08	-1.70	-3.51	-9.70		
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.90	-2.99	-6.20	-17.11		
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.94	-3.06	-6.34	-17.51		
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.92	-3.03	-6.27	-17.32		
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03		
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.29	-0.45	-0.94	-2.59		
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.11		
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.11		
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04		
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.06	-0.16		
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.03	-0.07		

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	ons per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.05	
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.05	-0.13	
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.07	
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.31	-0.64	-1.76	
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.16	-0.25	-0.52	-1.44	
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.87	-1.81	-4.98	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.93	-1.48	-3.05	-8.43	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.91	-1.44	-2.98	-8.23	
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.59	-0.93	-1.92	-5.30	
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.60	-0.95	-1.97	-5.45	
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.61	-0.96	-2.00	-5.52	
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.05	
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.05	-0.10	-0.27	
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.14	-0.38	
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.52	-0.83	-1.71	-4.70	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.48	-0.77	-1.59	-4.36
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.03
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-0.35	-0.72	-1.99
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.13	-0.35
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.04	-0.08	-0.22
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.09	-0.14	-0.29	-0.79
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.40	-0.84	-2.31
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.09	-0.18	-0.50
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.12	-0.34
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.03
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.07	-0.11	-0.24	-0.66
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.07	-0.11	-0.24	-0.66
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.13	-0.27	-0.75
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-2.23	-3.52	-7.29	-20.15
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.10

	NAAQS		General	Em	ission Change	es by Alterna	Emission Changes by Alternative (tons per year) ^c			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.07	-0.15	-0.40		
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.19	-0.29	-0.61	-1.68		
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.32	-0.50	-1.04	-2.87		
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.32	-0.50	-1.04	-2.87		
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.21	-0.33	-0.68	-1.87		
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.49	-1.01	-2.79		
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.06	-0.12	-0.34		
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.14	-0.38		
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.30	-0.48	-0.98	-2.71		
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.29	-0.60	-1.65		
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.18	-0.29	-0.60	-1.65		
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.31	-0.49	-1.02	-2.82		
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.29	-0.81		
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.48	-0.76	-1.57	-4.34		
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.48	-0.76	-1.57	-4.33		
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.48	-0.76	-1.57	-4.33		
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.98	-1.54	-3.20	-8.84		
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.98	-1.54	-3.19	-8.83		
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.98	-1.55	-3.20	-8.86		
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.92	-1.45	-3.01	-8.33		
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.61	-0.96	-2.00	-5.52		
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.61	-0.96	-2.00	-5.52		

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.61	-0.96	-2.00	-5.52
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.61	-0.96	-2.00	-5.52
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.61	-0.96	-2.00	-5.52
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.04
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.04
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.06	-0.13	-0.35
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.50	-0.80	-1.65	-4.55
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.02	-0.03	-0.09
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.14	-0.29	-0.79
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.09	-0.18	-0.49
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.05	-0.09	-0.18	-0.49

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.16
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.06	-0.09	-0.18	-0.50
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.03	-0.08
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-0.21	-0.43	-1.19
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.46	-0.73	-1.51	-4.17
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.46	-0.73	-1.51	-4.15
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.09	-0.15	-0.31	-0.85
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.05	-0.11	-0.31
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.09	-0.18	-0.50
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.04
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.23	-0.64
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.29	-0.80
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.03	-0.09
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.05	-0.14
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.04	-0.10
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not	100	0	-0.11	-0.17	-0.35	-0.98
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.03	-0.07
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.06
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03	-0.09
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.29	-0.80
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.16	-0.46
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.12	-0.19	-0.40	-1.10
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.12	-0.19	-0.40	-1.10
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.06	-0.17
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.07
Warren County, NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.04
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.03	-0.09
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.04	-0.12
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.05	-0.13
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.16	-0.32	-0.89
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.76	-1.20	-2.49	-6.87

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.75	-1.18	-2.44	-6.74
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.06	-0.12	-0.34
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.08
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.05
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.22	-0.62
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.10	-0.27
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05	-0.15
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.05
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.22
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.05	-0.15
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.08	-0.23

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; PM2.5 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-16. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.32	-0.92	-3.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.69	-1.86	-6.15
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.26	-0.68	-2.27
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.18
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.07	-0.23
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.06	-0.38	-1.02	-3.36
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.11
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.14	-0.41	-1.34
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.16	-0.42	-1.41
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.19	-0.47	-1.59
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.05	-0.15
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.09
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.05	-0.13	-0.43
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.06	-0.28	-0.69	-2.33
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.01	-0.04	-0.13
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.32	-1.57	-3.94	-13.25

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.25	-1.20	-3.02	-10.15	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.09	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.14	-0.34	-1.16	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.15	-0.71	-1.77	-5.96	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.15	-0.72	-1.78	-5.99	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.06	-0.31	-0.83	-2.75	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.05	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.06	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.15	-0.52	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.13	-0.43	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05	-0.15	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.08	-0.42	-1.07	-3.59	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.32	-0.92	-3.01	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.20	-0.51	-1.72	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.16	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.13	-0.42	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.10	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.10
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.07
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.10	-0.26	-0.88
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.05	-0.12	-0.42
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.10	-0.27	-0.90
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	-0.40	-1.01	-3.39
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.16	-0.75	-1.88	-6.34
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.39	-1.89	-4.71	-15.87
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.41	-1.98	-5.00	-16.79
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.13	-0.42
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	-0.17
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.12	-0.40
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.14	-0.36	-1.20
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.09	-0.44	-1.09	-3.67
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.13	-0.61	-1.55	-5.20
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.13	-0.60	-1.51	-5.07
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.28	-0.72	-2.40
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.14	-0.72	-1.82	-6.11
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.07	-0.36	-0.92	-3.06
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.15	-0.75	-1.91	-6.39
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.14	-0.69	-1.75	-5.88
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.25	-0.66	-2.19
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.11	-0.52	-1.32	-4.43
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.10	-0.48	-1.22	-4.09
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.16
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.34
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.28	-0.72	-2.40
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.23	-0.59	-1.96
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.45	-2.20	-5.53	-18.58
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.44	-2.16	-5.44	-18.27
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.14	-0.36	-1.22
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.15	-0.40	-1.32
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.28	-1.64	-4.42	-14.60
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.22	-1.28	-3.45	-11.40
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.28	-1.64	-4.41	-14.57
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-0.49	-1.23	-4.14
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.27	-1.32	-3.32	-11.16
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.15	-0.49
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.27	-1.32	-3.33	-11.19
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.02	-0.07
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.03
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.34
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.05	-0.18
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02	-0.06
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.18	-0.45	-1.51
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.04	-0.15
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.22	-0.54	-1.81
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.16	-0.53
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.04	-0.14
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.03	-0.08	-0.25
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.18	-0.60
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.06	-0.18

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.15
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.17	-0.42	-1.41
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.09
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.08
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.05
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.08	-0.40	-1.01	-3.38
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.08	-0.40	-1.01	-3.39
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.17	-0.45	-1.50
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.08
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.29	-0.72	-2.44
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.28	-0.70	-2.36
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	-0.02
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.04
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.47	-2.49	-6.46	-21.54
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.46	-2.43	-6.30	-21.02

	NAAQS		General	Emission Changes by Alternative (tons per year)			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.10	-0.33
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.08
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03	-0.11
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.07	-0.23
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.16	-0.53
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.16	-0.53
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.13	-0.43
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.13	-0.43
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.06	-0.15	-0.50
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.11
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.07	-0.19	-0.61
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.15	-0.38	-1.29
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.04	-0.14
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05	-0.16
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.12	-0.39
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.05	-0.14	-0.46
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05	-0.16
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.16

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.17	-0.55
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.03	-0.09	-0.29
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.03	-0.09	-0.29
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04	-0.12
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	-0.12
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.23	-0.57	-1.92
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.28	-0.70	-2.34
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.04	-0.15
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.13	-0.34	-1.14
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.06	-0.15	-0.52
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.09
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.24	-0.79
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.09

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.05
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.13	-0.34	-1.13
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.13	-0.34	-1.13
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.16	-0.53
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.13	-0.60	-1.51	-5.08
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.13	-0.60	-1.51	-5.07
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.02	-0.05	-0.16
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.30
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.05	-0.14	-0.45
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.11
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.35
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.33
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04	-0.12
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.21	-0.54	-1.81
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.21	-0.54	-1.81
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.90	-4.24	-10.54	-35.53
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.90	-4.24	-10.54	-35.53
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.90	-4.24	-10.53	-35.52
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.90	-4.24	-10.53	-35.50

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.90	-4.24	-10.54	-35.53	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.90	-4.24	-10.54	-35.53	
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.17	-0.58	
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.25	-0.61	-2.06	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.06	-0.22	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.10	-0.25	-0.85	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.11	-0.35	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.07	-0.24	
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.04	-0.13	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.04	-0.11	-0.36	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.24	-1.15	-2.84	-9.58	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.13	-0.32	-1.07	
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04	
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.10	-0.31	-0.99	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.07	-0.24	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.32	-0.81	-2.73	
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.08	-0.41	-1.05	-3.52	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04	
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.04	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.12	-0.40
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.40	-1.01	-3.39
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.18	-0.47	-1.57
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.35	-0.90	-3.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-0.94	-2.37	-7.96
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.18	-0.91	-2.30	-7.73
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.27
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.08	-0.27
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.08	-0.20	-0.68
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.16
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.07
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.07
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.10	-0.35
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06	-0.20

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.07	-0.21
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.06	-0.19
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.06	-0.19
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.23	-0.58	-1.94
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.26	-0.86
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.40	-1.95	-4.93	-16.56
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.71	-3.47	-8.74	-29.38
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.73	-3.55	-8.94	-30.04
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.72	-3.50	-8.83	-29.66
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.10	-0.52	-1.32	-4.41
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	-0.18
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.18
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.08	-0.28
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04	-0.12

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	-0.10
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.07	-0.22
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04	-0.12
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.33	-0.87	-2.88
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.30	-0.74	-2.49
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.20	-0.98	-2.50	-8.39
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.35	-1.70	-4.28	-14.38
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.34	-1.67	-4.20	-14.11
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.24	-1.12	-2.77	-9.35
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.24	-1.15	-2.85	-9.60
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.25	-1.16	-2.88	-9.72
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.06	-0.15	-0.49
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.19	-0.64
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.14	-0.83	-2.22	-7.35

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.76	-2.06	-6.80
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.05
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.39	-1.00	-3.35
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.16	-0.53
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.05	-0.11	-0.38
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.16	-0.41	-1.37
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.48	-1.19	-4.02
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.10	-0.26	-0.86
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.18	-0.60
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.06
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.14	-0.34	-1.15
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.14	-0.34	-1.15
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.16	-0.39	-1.32
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.89	-4.22	-10.49	-35.36
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.16

	NAAQS		General	Emission Changes by Alternative (tons per yea				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.17	-0.54
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.35	-0.87	-2.92
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.12	-0.59	-1.48	-4.98
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.12	-0.59	-1.48	-4.97
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.39	-0.98	-3.29
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.12	-0.58	-1.44	-4.86
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.18	-0.59
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.19	-0.63
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.11	-0.55	-1.39	-4.67
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.33	-0.83	-2.78
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.06	-0.33	-0.83	-2.78
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.57	-1.43	-4.80
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.15	-0.38	-1.26
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.19	-0.91	-2.25	-7.60
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.19	-0.91	-2.25	-7.59
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-0.91	-2.25	-7.59
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.39	-1.85	-4.59	-15.48
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.39	-1.85	-4.58	-15.46
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.39	-1.85	-4.60	-15.50
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.37	-1.74	-4.33	-14.61
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.23	-1.13	-2.84	-9.54
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.23	-1.13	-2.84	-9.54

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.23	-1.13	-2.84	-9.54
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.23	-1.13	-2.84	-9.54
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.23	-1.13	-2.84	-9.54
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.06
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.06
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.07	-0.18	-0.61
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.18	-0.90	-2.30	-7.71
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.17
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.04	-0.15
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.11
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.16	-0.41	-1.37
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.10	-0.25	-0.85
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.10	-0.25	-0.84

	NAAQS		General	Emission Changes by Alternative (tons per yea				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.08	-0.27
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.07	-0.21	-0.69
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.04	-0.13
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.23	-0.60	-2.00
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.16	-0.81	-2.08	-6.95
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.16	-0.82	-2.09	-6.98
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.12	-0.37	-1.19
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.05	-0.14	-0.47
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.10	-0.26	-0.87
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.07
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.13	-0.33	-1.11
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.16	-0.40	-1.35
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.04	-0.15
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.07	-0.25
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.05	-0.18
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.21	-0.52	-1.74
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	-0.12
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	-0.12
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	-0.12
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.16	-0.41	-1.38
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.09	-0.23	-0.78
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.05	-0.22	-0.56	-1.88
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.05	-0.22	-0.56	-1.88
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.09	-0.30
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04	-0.12
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.06
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04	-0.12
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.05	-0.17
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.06	-0.19
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.18	-0.46	-1.54
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.30	-1.43	-3.55	-11.97

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.30	-1.41	-3.50	-11.79
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.07	-0.18	-0.61
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.04	-0.15
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.07
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.13	-0.32	-1.08
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.14	-0.48
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.08	-0.26
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.09
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.12	-0.39
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.08	-0.27
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.12	-0.41

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-17. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—1,3-Butadiene, 2035

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.07	
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.11	-0.30	
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.05	-0.15	
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01	
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.06	-0.16	
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02	
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.10	
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.04	-0.11	
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.02	
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.07	-0.19	
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00	
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.11	-0.17	-0.35	-0.99	

	NAAQS		General	Em	ission Chang	es by Alterna	PC2LT4 PC3LT5 -0.13 -0.27 0.00 0.00 -0.01 -0.03 0.00 0.00 -0.08 -0.17 -0.08 -0.17 -0.03 -0.05 0.00 0.00 0.00 0.00 0.00 -0.01 0.00 -0.01 0.00 -0.01 0.00 -0.02 0.00 0.00		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.13	-0.27	-0.75	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.09	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.05	-0.08	-0.17	-0.48	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.05	-0.08	-0.17	-0.48	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.03	-0.05	-0.15	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.04	-0.08	-0.23	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.07	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.12	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.03	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	

NAAOS		General Emission Changes by Alternative (tons p					er year) ^c	
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	
SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.02	-0.06	
SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.03	
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.02	-0.05	
CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.09	-0.26	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.08	-0.17	-0.48	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.13	-0.21	-0.44	-1.22	
Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.13	-0.21	-0.44	-1.24	
Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.03	
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.07	
Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.05	-0.10	-0.29	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.06	-0.13	-0.38	
PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.14	-0.38	
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.05	-0.15	
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.07	-0.15	-0.42	
PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.20	
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.07	-0.16	-0.44	
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.07	-0.14	-0.40	
	(Standard) Ozone (2015 8-hour) SO ₂ (2010 1-hour) PM2.5 (2006 24-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2006 24-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) Ozone (2015 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) PM10 (1987 24-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) PM2.5 (2012 Annual) Ozone (2008 8-hour) PM2.5 (2012 Annual) Ozone (2008 8-hour)	Pollutant (Standard) Ozone (2015 Nonattainment, Marginal SO ₂ (2010 1-hour) PM2.5 (2006 Maintenance, Former Subpart 1 SO ₂ (1971 24-hour) PM2.5 (2006 Maintenance, Primary PM2.5 (2006 Maintenance, Former Subpart 1 CO ₂ (1971 8-hour) CO ₃ (1971 8-hour) Ozone (2008 Maintenance, Marginal Ozone (2015 Nonattainment, Moderate Ozone (2008 Nonattainment, Marginal CO (1971 8-hour) CO (1971 8-hour) Ozone (2008 Maintenance, Serious Ozone (2008 Nonattainment, Marginal CO (1971 8-hour) CO (1971 8-hour) Maintenance, Moderate <= 12.7ppm PM2.5 (2006 Maintenance, Moderate Ozone (2015 Nonattainment, Moderate Ozone (2015 Nonattainment, Marginal CO (1971 8-hour) Moderate Ozone (2015 Nonattainment, Moderate Ozone (2015 Nonattainment, Moderate Ozone (2015 Nonattainment, Moderate Ozone (2015 Maintenance, Marginal PM10 (1987 Maintenance, Serious CO (1971 8-hour) Ozone (2008 Maintenance, Marginal PM10 (1987 Maintenance, Serious CO (1971 8-hour) Ozone (2015 Maintenance, Moderate <= 12.7ppm Ozone (2015 Maintenance, Marginal PM10 (1987 Maintenance, Moderate <= 12.7ppm Ozone (2015 Nonattainment, Moderate PM2.5 (2012 Maintenance, Moderate PM2.5 (2012 Maintenance, Moderate PM2.5 (2012 Maintenance, Moderate PM2.5 (2006 Maintenance, Marginal PM2.5 (2006 Maintenance, Marginal PM2.5 (2006 Maintenance, Marginal	Pollutant (Standard)	No. No.	Nonettainment	No. No.	Non-transport Classification Content Classification Content Classification Content Content	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.10
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.06	-0.12	-0.32
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.05	-0.11	-0.30
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05	-0.15
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.13
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.15	-0.23	-0.49	-1.37
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.14	-0.23	-0.48	-1.35
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.09
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.07
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.07	-0.12	-0.25	-0.69
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.09	-0.19	-0.53
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.07	-0.12	-0.25	-0.69
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.11	-0.30
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.14	-0.29	-0.82
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.01	-0.04
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.09	-0.14	-0.29	-0.82
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
	•	•	•					

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.11
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.05	-0.14
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.11
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.04	-0.09	-0.26
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.03	-0.04	-0.09	-0.26
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.07
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.18
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.18
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.15	-0.24	-0.49	-1.37
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.14	-0.23	-0.48	-1.34

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.04
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.01	-0.04
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.03	-0.10
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.05	-0.14
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.06	-0.17
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.08
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.04
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Chang	es by Alterna	0.00 0.00 -0.01 -0.03 -0.01 -0.03 0.00 0.00 -0.01 -0.01 -0.07 -0.14 -0.07 -0.14 -0.00 0.00 0.00 -0.01 0.00 -0.01 0.00 0.00 0.00 0.00 0.00 -0.01 0.00 -0.01 0.00 -0.01 0.00 -0.01 0.00 -0.01 0.00 -0.01		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.03	-0.08	
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.08	
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.14	-0.38	
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.14	-0.38	
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.01	
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.05	-0.14	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.05	-0.14	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.30	-0.48	-1.00	-2.79	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.30	-0.48	-1.00	-2.79	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.30	-0.48	-1.00	-2.79	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.30	-0.48	-1.00	-2.79	

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.30	-0.48	-1.00	-2.79
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.30	-0.48	-1.00	-2.79
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.01	-0.04
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.06	-0.17
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.05
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	-0.01
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.03
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.13	-0.27	-0.76
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.08
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.07	-0.20
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.03	-0.04	-0.09	-0.25
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	r year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.08	-0.24
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.04	-0.07	-0.21
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.20	-0.57
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.09	-0.20	-0.55
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.05
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.13	-0.21	-0.43	-1.20
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.23	-0.37	-0.78	-2.17
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.38	-0.79	-2.22
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.23	-0.37	-0.78	-2.17
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.11	-0.30
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.17
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.03	-0.07	-0.19
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.20	-0.57
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.18	-0.37	-1.04
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.18	-0.37	-1.04
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.08	-0.13	-0.27	-0.75
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.27	-0.77
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.28	-0.78
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.01	-0.04
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.06	-0.12	-0.34

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.11	-0.31
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.08	-0.22
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04	-0.10
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.11	-0.31
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02	-0.06
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.04
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.03	-0.09
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.03	-0.09
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04	-0.11
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.30	-0.48	-0.99	-2.78
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.08	-0.22
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.07	-0.14	-0.39
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.07	-0.14	-0.39
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.09	-0.26
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.13	-0.37
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.05	-0.11	-0.32
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.19
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.02	-0.03	-0.07	-0.19
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.12	-0.34
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.10
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.07	-0.10	-0.22	-0.61
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.06	-0.10	-0.22	-0.60
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.22	-0.60
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.21	-0.44	-1.23
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.21	-0.44	-1.22
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.21	-0.44	-1.23
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.20	-0.41	-1.15
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.08	-0.12	-0.26	-0.72
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.08	-0.12	-0.26	-0.72

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.08	-0.12	-0.26	-0.72	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.12	-0.26	-0.72	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.08	-0.12	-0.26	-0.72	
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02	-0.05	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.09	-0.19	-0.52	
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01	
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	-0.01	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.04	-0.10	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02	-0.06	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.13
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.08	-0.16	-0.46
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.08	-0.17	-0.48
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01	-0.02
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.07
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.08
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

	NAAQS		General Emission Change			ges by Alternative (tons per year) ^c			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.13	
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00	
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.10	
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.06	
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.05	-0.14	
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.05	-0.14	
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00	
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.12	
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.10	-0.16	-0.33	-0.93	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	· year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.10	-0.16	-0.33	-0.94
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02	-0.04
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.09
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.04
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; PM2.5 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-18. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—1,3-Butadiene, 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.14	-0.47
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.07	-0.23
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.07	-0.24
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.15
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.05	-0.17
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.03
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.03	-0.09	-0.29
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.03	-0.18	-0.45	-1.52

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.14	-0.34	-1.15	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.04	-0.14	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.01	-0.09	-0.22	-0.74	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.01	-0.09	-0.22	-0.74	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.07	-0.23	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.06	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.04	-0.11	-0.36	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.10	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06	-0.19	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.05	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03	-0.09	
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.05	
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.02	-0.08	
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.12	-0.40	
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.09	-0.22	-0.75	
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.22	-0.55	-1.88	
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.04	-0.22	-0.56	-1.91	
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.05	
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02	
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05	
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.11	
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.05	-0.13	-0.45	
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.17	-0.58	
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.07	-0.17	-0.59	
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.07	-0.24	
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.19	-0.65	
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.31	
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.08	-0.20	-0.67	
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.07	-0.18	-0.62	
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	-0.16
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.06	-0.15	-0.50
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.05	-0.14	-0.46
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.07	-0.24
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.06	-0.19
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.25	-0.62	-2.11
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.24	-0.61	-2.08
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.04	-0.13
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.13	-0.31	-1.07
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.10	-0.24	-0.82
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.13	-0.31	-1.07
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.14	-0.47
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.15	-0.37	-1.26
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02	-0.06
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.15	-0.37	-1.26
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.17
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.06	-0.22
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.03
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.05
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year)				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.05	-0.17
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.05	-0.12	-0.39
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.01	-0.05	-0.12	-0.39
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.11
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.08	-0.29
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.27
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.25	-0.62	-2.11
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.24	-0.60	-2.05

	NAAQS		General	Emission Changes by Alternative (tons per year)			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.06
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02	-0.06
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.04	-0.15
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	-0.02
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.04
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General Emission Changes by Alternative (tons per year				year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.02
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.06	-0.21
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.08	-0.26
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	-0.12
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.06
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01

	NAAQS	General Emission Changes by Alternative (tons pe					er year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.04	-0.13
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	-0.13
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.07	-0.17	-0.59
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.17	-0.59
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	-0.01
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.04
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.06	-0.21
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.06	-0.21
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.09	-0.51	-1.27	-4.33
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.09	-0.51	-1.27	-4.33
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.09	-0.51	-1.27	-4.33
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.09	-0.51	-1.27	-4.33

	NAAQS		General	Em	Emission Changes by Alternative (tons per year		year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.09	-0.51	-1.27	-4.33
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.09	-0.51	-1.27	-4.33
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.06
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.08	-0.26
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.08
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	-0.02
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.04
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.14	-0.35	-1.19
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04	-0.12
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.09	-0.31
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.05	-0.12	-0.39
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.05
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.11	-0.36
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.17
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.04	-0.09	-0.32
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.10	-0.26	-0.88
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.10	-0.25	-0.85
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.08
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06	-0.21
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.08
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.22	-0.54	-1.85
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.07	-0.39	-0.98	-3.35
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.40	-1.01	-3.42
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.07	-0.39	-0.98	-3.35
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.14	-0.47
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per ye			year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.26
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.03	-0.09	-0.29
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.10	-0.26	-0.88
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.19	-0.47	-1.60
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.19	-0.47	-1.60
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.14	-0.34	-1.16
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.14	-0.35	-1.19
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.14	-0.35	-1.20
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02	-0.06
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.06	-0.15	-0.52

	NAAQS		General	Em	ission Chang	ission Changes by Alternative (tons p			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.14	-0.48	
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00	
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.34	
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.01	-0.04	
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.05	-0.16	
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.14	-0.48	
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03	-0.10	
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.07	
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.04	-0.14	
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.04	-0.14	
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.05	-0.17	
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.09	-0.50	-1.27	-4.31	
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	

	NAAQS		General	Em	ission Change	es by Alterna	ative (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.35	
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.07	-0.17	-0.59	
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.07	-0.17	-0.59	
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.12	-0.40	
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.17	-0.58	
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.07	
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06	
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.06	-0.15	-0.50	
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.09	-0.29	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.03	-0.09	-0.29	
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.16	-0.53	
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.04	-0.14	
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.11	-0.27	-0.93	
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.11	-0.27	-0.93	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.11	-0.27	-0.93	
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.22	-0.56	-1.89	
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.22	-0.56	-1.89	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.22	-0.56	-1.89	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.21	-0.52	-1.79	
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.02	-0.13	-0.33	-1.11	
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.02	-0.13	-0.33	-1.11	

	NAAQS		Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.02	-0.13	-0.33	-1.11
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.13	-0.33	-1.11
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.02	-0.13	-0.33	-1.11
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02	-0.08
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.09	-0.24	-0.81
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.02
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.05	-0.16
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.09
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03	-0.09

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	er year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03	
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01	
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.02	
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06	-0.21	
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.21	-0.71	
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.09	-0.22	-0.73	
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01	-0.03	
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.10	
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01	
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.04	-0.13	
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.14	
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02	
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03	
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02	
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06	-0.21
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.16
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.09
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.06	-0.21
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.06	-0.21
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Warren County, NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	-0.18
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.03	-0.17	-0.42	-1.44

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	er year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.17	-0.42	-1.44	
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02	-0.07	
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02	
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.04	-0.13	
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.06	
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03	
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05	
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.03	
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.05	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-19. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Diesel Particulate Matter (DPM), 2035

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.08
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.87	-1.50	-2.70	-6.88
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.03	-0.07
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.17	-0.30	-0.54	-1.36
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.14	-0.24	-0.43	-1.09
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.08
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.03	-0.08
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.62	-2.78	-5.01	-12.76
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.05	-0.08	-0.21
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.08	-0.21
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.41	-0.73	-1.86
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.08	-0.13	-0.24	-0.60
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.02	-0.04	-0.07	-0.19

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	er year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.07	-0.18	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-0.42	-0.75	-1.91	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.04	-0.07	-0.13	-0.32	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.04	-0.07	-0.13	-0.32	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-5.51	-9.43	-17.01	-43.34	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.05	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.33	-2.28	-4.11	-10.47	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.33	-2.28	-4.11	-10.47	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.40	-0.68	-1.23	-3.14	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.03	-0.08	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.64	-2.80	-5.05	-12.86	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	

PC6LT8 00 0.00 00 0.00 41 -6.13 00 0.00
00 0.00
41 -6.13
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-0.59
0.00
-0.03
.67 -126.54
.93 -63.51
-0.01
0.00
-0.01
84 -2.15
-0.08
88 -2.25
22 -0.55
-0.01
15 -5.47
01 -0.02
19 -5.57
14 -5.46

	NAAQS		General	Em	ission Change	es by Alterna	ernative (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.11	
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.12	-0.32	
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.12	-0.31	
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.56	-7.81	-14.08	-35.88	
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.41	-0.74	-1.89	
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.38	-0.65	-1.18	-3.00	
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.38	-0.65	-1.18	-3.00	
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-6.63	-11.36	-20.48	-52.18	
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.08	-3.56	-6.43	-16.38	
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.88	-1.50	-2.71	-6.90	
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.97	-1.67	-3.01	-7.66	
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.37	-0.63	-1.14	-2.90	
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.37	-4.06	-7.33	-18.68	
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.36	-0.62	-1.12	-2.86	
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.37	-4.06	-7.33	-18.68	
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
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	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00	
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00	
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00	
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.06	-0.11	-0.27	
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.56	-7.81	-14.08	-35.88	
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.24	-0.41	-0.74	-1.90	
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.70	-1.20	-2.16	-5.52	
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.70	-1.20	-2.16	-5.50	
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.40	-2.39	-4.31	-10.99	
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.06	-0.10	-0.26	
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.06	-0.10	-0.26	
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03	
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.04	-0.07	-0.18	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.10	-0.18	-0.45
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.21	-0.35	-0.63	-1.61
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00	-0.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.07	-3.54	-6.38	-16.26
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.11	-0.19	-0.49
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.06	-0.11	-0.19	-0.49
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.02	-0.06
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.05	-0.12
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.05	-0.12
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-16.71	-28.61	-51.61	-131.48
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-16.70	-28.58	-51.56	-131.35

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.72	-1.24	-2.23	-5.68	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.07	-1.83	-3.30	-8.41	
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00	
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.23	-0.39	-0.71	-1.80	
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.23	-0.39	-0.71	-1.81	
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.03	
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00	
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.05	-0.09	-0.22	
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.68	-1.16	-2.09	-5.33	
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.11	-0.19	-0.49	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	ons per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.24	-0.44	-1.11	
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-5.93	-10.15	-18.31	-46.65	
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-5.93	-10.15	-18.31	-46.65	
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.01	
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01	
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	-0.01	
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.57	-7.82	-14.10	-35.92	
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.56	-7.81	-14.09	-35.90	
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02	-0.04	
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.04	
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.07	-0.12	-0.22	-0.56	
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.07	-0.12	-0.22	-0.55	
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-1.33	-2.28	-4.11	-10.47	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.47	-5.94	-10.72	-27.31	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.07	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.25	-0.43	-0.77	-1.96	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-5.92	-10.14	-18.28	-46.58	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-5.92	-10.14	-18.28	-46.58	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-5.97	-10.23	-18.44	-46.99	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-5.97	-10.23	-18.44	-46.99	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-5.98	-10.23	-18.45	-47.01	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-5.98	-10.23	-18.45	-47.01	

	NAAQS		General	neral Emission Changes by Alternative				re (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-5.98	-10.23	-18.45	-47.01		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-5.98	-10.23	-18.45	-47.01		
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.02		
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.99	-3.41	-6.16	-15.68		
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.62	-2.78	-5.02	-12.78		
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	0.00		
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00		
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00		
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02		
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.07	-0.19		
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.07	-0.19		
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.08	-0.15	-0.39		
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00		
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.65	-1.11	-2.00	-5.09		
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.65	-1.11	-2.00	-5.11		
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00		
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00		

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	r year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	0.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.48	-2.53	-4.56	-11.62
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.48	-2.53	-4.56	-11.62
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.14
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.07	-0.19
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.07	-0.19
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.06	-0.16
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.09	-0.23
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.12	-0.22	-0.55
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.20	-2.06	-3.71	-9.45
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-1.24	-2.13	-3.84	-9.77
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.23	-2.11	-3.81	-9.70
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.25	-2.13	-3.85	-9.80
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.91	-1.55	-2.80	-7.13
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.20	-8.90	-16.05	-40.90
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.96	-1.64	-2.95	-7.52
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.73	-9.80	-17.68	-45.05
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-6.68	-11.44	-20.63	-52.56
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-15.25	-26.11	-47.10	-119.99
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.14	-0.35
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.18	-0.45
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.03	-0.08
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.59	-1.01	-1.82	-4.65

	NAAQS		General	Em	ission Change	es by Alterna	year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.94	-1.69	-4.31
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.07	-0.17
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.57	-0.97	-1.75	-4.46
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.45	-2.49	-4.49	-11.44
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-5.98	-10.23	-18.45	-47.01
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.79	-1.36	-2.45	-6.23

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.13	-0.23	-0.58
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.09	-13.84	-24.96	-63.60
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-8.12	-13.90	-25.07	-63.87
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-8.12	-13.90	-25.07	-63.87
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.57	-0.98	-1.76	-4.48
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-8.12	-13.90	-25.07	-63.87
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.91	-1.55	-2.80	-7.13
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.91	-1.55	-2.80	-7.13
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.91	-1.55	-2.80	-7.13
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.91	-1.55	-2.80	-7.13
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.24	-0.62
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-5.92	-10.14	-18.28	-46.58
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.01	-0.03
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.01	-0.03
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.03
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-8.16	-13.97	-25.20	-64.19
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-8.16	-13.97	-25.20	-64.19
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-8.16	-13.97	-25.20	-64.19
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.18	-14.00	-25.25	-64.33
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-13.72	-23.48	-42.35	-107.90
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-13.72	-23.48	-42.35	-107.90

	NAAQS		General	Em	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-13.72	-23.48	-42.35	-107.90		
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-13.72	-23.48	-42.35	-107.90		
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-13.72	-23.48	-42.35	-107.90		
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.33	-0.57	-1.03	-2.63		
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.33	-0.57	-1.03	-2.63		
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00		
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.09	-0.23		
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00		
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.07	-0.14	-0.34		
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02		
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00		
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.57	-0.97	-1.75	-4.46		
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.05		
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02		
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.02		

	NAAQS		General	Em	ission Chang	es by Alterna	0.00 -(-5.56 -1 0.00 -(0.00 -(0.00 -1 -5.03 -1 -10.09 -2 -5.08 -1			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01		
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.80	-3.08	-5.56	-14.18		
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01		
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00		
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.63	-2.79	-5.03	-12.83		
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.27	-5.60	-10.09	-25.72		
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.64	-2.82	-5.08	-12.94		
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.17	-0.30	-0.53	-1.36		
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.16	-0.27	-0.48	-1.22		
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.04		
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00		
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01		
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00		
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.14	-0.34		
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00		
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01		
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00		
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.57	-0.97	-1.75	-4.46		
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.23	-0.39	-0.70	-1.79		

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.08	-0.19
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.23	-0.40	-0.71	-1.82
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.36	-0.65	-1.65
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.67	-1.14	-2.06	-5.24
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-5.93	-10.15	-18.31	-46.64
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-5.93	-10.15	-18.31	-46.64
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.03	-0.07
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.66	-1.14	-2.05	-5.23
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.67	-1.15	-2.07	-5.27
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.67	-1.15	-2.07	-5.29
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.01	-0.01	-0.04

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.36	-0.62	-1.12	-2.85
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.72	-1.23	-2.22	-5.66
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO $_2$ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO $_2$ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-20. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Diesel Particulate Matter (DPM), 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.05	-0.12
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.53	-1.92	-4.02	-10.60
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.05
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.11	-0.38	-0.80	-2.10
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.10
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.08	-0.30	-0.64	-1.68
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.05	-0.12
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.05	-0.12
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.98	-3.55	-7.46	-19.64
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.06	-0.12	-0.33
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.06	-0.12	-0.33
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.52	-1.09	-2.87
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.05	-0.17	-0.35	-0.92
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.01	-0.05	-0.11	-0.29

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.11	-0.28
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.53	-1.12	-2.95
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.01
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.03	-0.09	-0.19	-0.50
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.02	-0.09	-0.19	-0.50
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-3.34	-12.06	-25.33	-66.74
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.07
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.81	-2.91	-6.12	-16.12
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.81	-2.91	-6.12	-16.12
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.87	-1.83	-4.83
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.12
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.99	-3.58	-7.52	-19.81
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.47	-1.71	-3.58	-9.44
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.17	-0.35	-0.91
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02	-0.04
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-9.77	-35.22	-73.96	-194.85
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-4.90	-17.68	-37.12	-97.80
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.17	-0.60	-1.26	-3.31
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.05	-0.12
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.17	-0.63	-1.32	-3.47
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.16	-0.33	-0.86
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.01
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.42	-1.52	-3.20	-8.42
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.43	-1.55	-3.25	-8.57
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.42	-1.52	-3.19	-8.42

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.07	-0.18	
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.09	-0.19	-0.49	
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.09	-0.18	-0.48	
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.77	-9.99	-20.97	-55.25	
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.53	-1.10	-2.91	
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01	
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.23	-0.84	-1.76	-4.63	
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.23	-0.84	-1.76	-4.63	
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-4.03	-14.53	-30.50	-80.35	
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.26	-4.56	-9.57	-25.23	
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.53	-1.92	-4.03	-10.63	
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.59	-2.14	-4.48	-11.81	
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.22	-0.81	-1.70	-4.47	
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.44	-5.20	-10.92	-28.76	
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.22	-0.80	-1.67	-4.40	
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.44	-5.20	-10.92	-28.76	
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.08	-0.16	-0.42
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.77	-9.99	-20.97	-55.24
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.15	-0.53	-1.11	-2.92
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.43	-1.54	-3.22	-8.49
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.42	-1.53	-3.21	-8.46
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.85	-3.06	-6.42	-16.92
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.07	-0.15	-0.40
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.07	-0.15	-0.40
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.04
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.10	-0.27

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.13	-0.26	-0.69
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.12	-0.45	-0.94	-2.49
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00	-0.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.25	-4.53	-9.50	-25.04
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.14	-0.28	-0.75
Hancock County (part): Weirton, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.14	-0.28	-0.75
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.04
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.03	-0.09
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.03	-0.07	-0.19
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.03	-0.07	-0.19
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-10.15	-36.60	-76.84	-202.45
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.14	-36.56	-76.76	-202.25

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	-1.58	-3.32	-8.74
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.65	-2.34	-4.92	-12.95
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.50	-1.05	-2.77
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.14	-0.50	-1.06	-2.78
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.04
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.06	-0.13	-0.35
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.41	-1.48	-3.11	-8.20
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.14	-0.28	-0.75

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.31	-0.65	-1.71
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-3.60	-12.98	-27.26	-71.82
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-3.60	-12.98	-27.26	-71.82
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	-0.01
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.77	-10.00	-20.99	-55.30
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.77	-9.99	-20.98	-55.28
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				PC6LT8 0.00 -0.07 -0.07 0.00 -0.87 -0.86 -0.01 -16.12 0.00 -42.06 -0.10 0.00 0.00 -3.02 0.00 -71.71		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02	-0.07		
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07		
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.16	-0.33	-0.87		
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.16	-0.33	-0.86		
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.81	-2.91	-6.12	-16.12		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.11	-7.60	-15.96	-42.06		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.10		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.55	-1.14	-3.02		
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-3.59	-12.96	-27.22	-71.71		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-3.59	-12.96	-27.22	-71.71		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.63	-13.08	-27.47	-72.37		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-3.63	-13.08	-27.47	-72.37		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-3.63	-13.09	-27.48	-72.40		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-3.63	-13.09	-27.48	-72.40		

	NAAQS		General	Em	Emission Changes by Alternative (tons per y		year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.63	-13.09	-27.48	-72.40
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-3.63	-13.09	-27.48	-72.40
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.01	-0.03
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.21	-4.36	-9.16	-24.15
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.99	-3.56	-7.47	-19.68
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.03
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.11	-0.29
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.11	-0.29
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.11	-0.23	-0.60
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.39	-1.42	-2.97	-7.83
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.39	-1.42	-2.99	-7.87
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	0.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.90	-3.24	-6.79	-17.90
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.90	-3.24	-6.79	-17.90
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.08	-0.22
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.05
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.11	-0.29
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.11	-0.29
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.04	-0.09	-0.24
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.06	-0.14	-0.36
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.15	-0.32	-0.85
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.73	-2.63	-5.52	-14.55
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.75	-2.72	-5.71	-15.06
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.75	-2.70	-5.67	-14.95
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.76	-2.73	-5.73	-15.10
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.55	-1.99	-4.17	-10.98
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.04
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.16	-11.39	-23.90	-62.98
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.58	-2.09	-4.39	-11.58
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.48	-12.54	-26.33	-69.36
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-4.06	-14.63	-30.72	-80.94
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-9.26	-33.40	-70.13	-184.76
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.10	-0.20	-0.53
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.13	-0.26	-0.69
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.05	-0.13
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.36	-1.29	-2.72	-7.16

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.33	-1.20	-2.52	-6.64
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.10	-0.27
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.34	-1.24	-2.61	-6.87
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.88	-3.19	-6.69	-17.62
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01	-0.02
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.63	-13.09	-27.48	-72.40
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.48	-1.73	-3.64	-9.59

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	er year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.16	-0.34	-0.89	
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.91	-17.70	-37.17	-97.93	
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-4.93	-17.78	-37.33	-98.35	
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-4.93	-17.78	-37.33	-98.35	
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.35	-1.25	-2.62	-6.91	
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-4.93	-17.78	-37.33	-98.35	
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.55	-1.98	-4.17	-10.98	
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.55	-1.99	-4.17	-10.98	
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.55	-1.99	-4.17	-10.98	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.55	-1.99	-4.17	-10.98	
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.17	-0.36	-0.96	
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.59	-12.96	-27.22	-71.71	
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.02	-0.05	
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.02	-0.05	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.05	
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-4.95	-17.87	-37.52	-98.85	
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.95	-17.87	-37.52	-98.85	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-4.95	-17.87	-37.52	-98.85	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.97	-17.91	-37.60	-99.07	
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-8.33	-30.04	-63.06	-166.16	
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-8.33	-30.04	-63.06	-166.16	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	er year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-8.33	-30.04	-63.06	-166.16
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-8.33	-30.04	-63.06	-166.16
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-8.33	-30.04	-63.06	-166.16
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.20	-0.73	-1.54	-4.05
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.20	-0.73	-1.54	-4.05
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.06	-0.13	-0.35
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.10	-0.20	-0.53
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.34	-1.24	-2.61	-6.87
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	-0.08
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.09	-3.95	-8.28	-21.83
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.01
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.99	-3.57	-7.50	-19.75
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.98	-7.16	-15.03	-39.60
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-1.00	-3.60	-7.56	-19.92
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.10	-0.38	-0.79	-2.09
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.09	-0.34	-0.71	-1.88
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.07
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.10	-0.20	-0.53
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.34	-1.24	-2.61	-6.87
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.14	-0.50	-1.04	-2.75

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classificationa	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not	100	0	0.00	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.11	-0.29
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.51	-1.06	-2.80
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.46	-0.96	-2.53
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.40	-1.46	-3.06	-8.06
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.60	-12.98	-27.26	-71.81
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-3.60	-12.98	-27.26	-71.81
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.40	-1.45	-3.05	-8.05
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.41	-1.47	-3.08	-8.12
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.41	-1.47	-3.09	-8.15
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.01	-0.02	-0.06

	NAAQS		General	Em	tive (tons per	per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.79	-1.67	-4.39
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	-1.58	-3.31	-8.72
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-21. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2035

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.20	-0.55
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.07	-0.19
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.12	-0.33
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.05	-0.13
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.12
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.02	-0.05	-0.14
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.03
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.04	-0.09	-0.24
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.02	-0.04	-0.10
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.17	-0.28	-0.57	-1.56

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.22	-0.45	-1.24
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.08	-0.22
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.07	-0.11	-0.22	-0.61
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.07	-0.11	-0.22	-0.61
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.06	-0.10	-0.20	-0.55
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.08
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.07	-0.15	-0.42
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.03	-0.08
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.06	-0.16
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.05
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01

NAAOS		General Emission Changes by Alternative (tons po					er year) ^c		
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01		
SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01		
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.04	-0.12		
SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.04		
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00		
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.09	-0.18	-0.49		
CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.06	-0.12	-0.33		
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.07	-0.12	-0.24	-0.65		
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.18	-0.28	-0.57	-1.57		
Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.18	-0.28	-0.58	-1.59		
Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.05		
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02		
PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.04		
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03	-0.09		
Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.13	-0.37		
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.09	-0.18	-0.48		
PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.05	-0.09	-0.18	-0.49		
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.07	-0.20		
Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.20	-0.55		
PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.09	-0.26		
Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.07	-0.11	-0.22	-0.60		
PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.09	-0.19	-0.53		
	(Standard) Ozone (2015 8-hour) SO ₂ (2010 1-hour) PM2.5 (2006 24-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2006 24-hour) CO (1971 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2008 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) Ozone (2008 8-hour) PM10 (1987 24-hour) CO (1971 8-hour) CO (1971 8-hour) Ozone (2015 8-hour) PM2.5 (2012 Annual) Ozone (2008 8-hour)	Pollutant (Standard)Status, Severity ClassificationaOzone (2015 8-hour)Nonattainment, MarginalSO2 (2010 1- hour)Maintenance,PM2.5 (2006 24-hour)Maintenance, Former Subpart 1SO2 (2010 1- hour)Maintenance,SO2 (1971 24- hour/Annual)Maintenance, PrimaryPM2.5 (2006 24-hour)Maintenance, Former Subpart 1CO (1971 8- hour)Maintenance, Not ClassifiedOzone (2008 8-hour)Maintenance, MarginalOzone (2008 8-hour)Maintenance, SeriousOzone (2008 8-hour)Maintenance, ModerateCO (1971 8- hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, ModerateOzone (2015 8-hour)Maintenance, MarginalOzone (2008 8-hour)Maintenance, MarginalPM10 (1987 24-hour)Maintenance, MarginalPM10 (1987 24-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, Moderate <= 12.7ppmOzone (2015 8-hour)Maintenance, ModeratePM2.5 (2012 Annual)Maintenance, ModerateOzone (2008 8-hour)Maintenance, ModeratePM2.5 (2012 Annual)Maintenance, Maintenance, ModerateOzone (2008 8-hour)Maintenance, Maintenance, ModerateOzone (2008 8-hour)Maintenance, Maintenance, ModerateOzone (2008 8-hour)Maintenance, Maintena	Pollutant (Standard)	NAGUS Pollutant (Standard)	NALLS Pollutant (Standard) Classification Conformity Threshold No- Action PC1LT3	Nonattainment, hour) Nonattainment, hour)	Pollutant (Standard)		

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	r year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.05	-0.13
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.08	-0.16	-0.43
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.05	-0.07	-0.15	-0.40
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.11
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.20
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.06	-0.16
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.39	-0.61	-1.26	-3.45
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.38	-0.61	-1.25	-3.42
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.11
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.11
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.12	-0.19	-0.38	-1.05
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.09	-0.15	-0.31	-0.84
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.12	-0.19	-0.38	-1.05
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.17	-0.47
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.21	-0.44	-1.20
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.05	-0.12
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.14	-0.21	-0.44	-1.20
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	r year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04	-0.12
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.07	-0.20
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.07
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.05	-0.11	-0.31
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.05
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	-0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.02
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01	-0.04
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.04	-0.10

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.02	-0.05	-0.14
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.12	-0.33
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.04	-0.06	-0.12	-0.33
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.10	-0.27
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.09	-0.24
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.08	-0.23
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.30	-0.47	-0.98	-2.67
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.28	-0.45	-0.92	-2.52

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.04	-0.07	-0.20
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.07	-0.18
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.05
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02	-0.05
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.12
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.06	-0.12	-0.33
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.06	-0.15
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.06	-0.16
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.08	-0.22
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.02	-0.03	-0.06	-0.17
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.06	-0.17
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.03	-0.06	-0.18
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.08	-0.22
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.01
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.04	-0.10
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.02	-0.05
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.07
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.04	-0.12
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.12
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.05
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.05	-0.09	-0.18	-0.49
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.09	-0.18	-0.49
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.01	-0.04
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.07	-0.18
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.06	-0.13	-0.35
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.06	-0.13	-0.35
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.43	-0.68	-1.40	-3.85
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.43	-0.68	-1.40	-3.85
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.43	-0.68	-1.40	-3.86
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.43	-0.68	-1.40	-3.86

	NAAQS		Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.43	-0.68	-1.40	-3.86
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.43	-0.68	-1.40	-3.86
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.02	-0.06
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.08	-0.21
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.03	-0.09
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	-0.01
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.01	-0.04
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.11	-0.17	-0.35	-0.97
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.05	-0.13
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.06	-0.18
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.09	-0.26
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.04	-0.06	-0.12	-0.34
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.11	-0.30
Milwaukee, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.02	-0.05	-0.14
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.05	-0.10	-0.27
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.13	-0.27	-0.73
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.13	-0.26	-0.71
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.06
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.03
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.05	-0.13
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.18
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.18	-0.28	-0.58	-1.58
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.32	-0.50	-1.04	-2.85
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.33	-0.51	-1.06	-2.90
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.32	-0.50	-1.04	-2.85
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.09	-0.19	-0.53
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.09	-0.24
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.04	-0.09	-0.25
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.28	-0.77
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.15	-0.24	-0.50	-1.37
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.16	-0.24	-0.50	-1.38
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.11	-0.17	-0.34	-0.94
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.35	-0.97
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.36	-0.98
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.02	-0.05
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02	-0.06
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.06
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.12	-0.19	-0.40	-1.09

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.17	-0.36	-0.98
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.10	-0.28
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.01	-0.04
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.03	-0.07	-0.18
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.14	-0.40
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.03	-0.09
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02	-0.05
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.04	-0.12
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.04	-0.12
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.02	-0.05	-0.14
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.43	-0.68	-1.40	-3.84
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07

	NAAQS		General	Emission Changes by Alternative (tons per ye				year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.07	-0.14	-0.37
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.26	-0.72
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.10	-0.16	-0.34	-0.93
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.10	-0.16	-0.34	-0.93
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.13	-0.35
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.16	-0.33	-0.91
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.05
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.07	-0.20
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.10	-0.20	-0.55
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.14	-0.39
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.04	-0.07	-0.14	-0.39
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.20	-0.54
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.11	-0.29
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.09	-0.14	-0.28	-0.77
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.09	-0.14	-0.28	-0.77
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.14	-0.28	-0.77
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.22	-0.35	-0.72	-1.99
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.22	-0.35	-0.72	-1.99
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.22	-0.35	-0.73	-1.99
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.21	-0.34	-0.69	-1.90
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.17	-0.27	-0.55	-1.50
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.17	-0.27	-0.55	-1.50

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.17	-0.27	-0.55	-1.50
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.17	-0.27	-0.55	-1.50
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.17	-0.27	-0.55	-1.50
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.05	-0.12
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.05	-0.12
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02	-0.06
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.07	-0.12	-0.24	-0.66
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.01
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.07	-0.18
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.03	-0.07
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.03	-0.07

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8 -0.03 -0.28 -0.02 -0.00 -0.18 -0.60 -0.62 -0.12 -0.17 -0.09 -0.01 -0.01 -0.00 -0.15 -0.02 -0.02 -0.00 -0.06 -0.02 -0.01
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.10	-0.28
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.18
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.22	-0.60
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.07	-0.11	-0.23	-0.62
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.04	-0.12
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.03	-0.06	-0.17
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03	-0.09
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.05	-0.15
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04	-0.12
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.01	-0.02	-0.06
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04	-0.11

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.06	-0.16	
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.01	
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00	
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00	
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.03	
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02	-0.06	
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.07	-0.19	
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.03	-0.07	
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.12	-0.34	
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.12	-0.34	
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.02	-0.05	
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00	
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.03	-0.09	
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.03	-0.09	
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.04	-0.10	
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.05	-0.15	
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.13	-0.21	-0.44	-1.20	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.13	-0.21	-0.43	-1.19
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02	-0.05
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03	-0.09
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.01
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04	-0.11
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.02	-0.05
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.04
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01	-0.04

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; PM2.5 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-22. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2050

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.14
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.10	-0.26	-0.88
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.33
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.04
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.15	-0.52
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.06	-0.19
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06	-0.21
Allentown-Bethlehem- Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.07	-0.24
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	-0.02
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.01	-0.05
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.12	-0.41
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.01	-0.04	-0.14
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	-0.05	-0.30	-0.76	-2.56

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.23	-0.60	-2.02	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.02	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.10	-0.35	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	0.00	
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.02	-0.12	-0.31	-1.04	
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.02	-0.12	-0.31	-1.05	
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.09	-0.25	-0.81	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04	-0.12	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.08	-0.20	-0.68	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.04	-0.14	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.27	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.05	
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.08	
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.06	-0.18
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.07
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.07	-0.21	-0.69
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.17	-0.57
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.13	-0.33	-1.11
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.32	-0.78	-2.67
Chicago-Naperville, IL-IN- WI	Ozone (2008 8-hour)	Maintenance, Serious	10	0	-0.06	-0.32	-0.79	-2.70
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.08
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.16
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.18	-0.63
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.10	-0.24	-0.83
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.02	-0.10	-0.25	-0.84
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.10	-0.34
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.11	-0.27	-0.93
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.13	-0.44
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.12	-0.30	-1.02
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.11	-0.26	-0.90

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.07	-0.22
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.09	-0.22	-0.73
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.08	-0.20	-0.68
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.15
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.10	-0.34
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.08	-0.27
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.09	-0.59	-1.60	-5.30
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.09	-0.58	-1.58	-5.25
Dane County: Madison sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.06	-0.19
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.18
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.20	-0.52	-1.74
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.16	-0.41	-1.38
Denver-Boulder-Greeley- Ft. Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.04	-0.20	-0.51	-1.74
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.09	-0.23	-0.78
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.23	-0.59	-2.00
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.06	-0.18
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.23	-0.59	-2.00
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
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	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.04
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.05	-0.16
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.10	-0.32
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.11
El Paso-Las Cruces, TX-NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.15	-0.49
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.08
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	-0.02
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	-0.04
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.02
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	-0.07
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04	-0.14

	NAAQS		General	Em	ission Chang	es by Alterna	0.00 -0.01 -0.02 0.03 -0.07 -0.24 0.00 0.00 -0.01 0.00 0.00 0.00 0.00 0.00 -0.01 0.00 0.00 -0.01 0.00 0.00 -0.01 0.07 -0.16 -0.56 0.04 -0.12 -0.39 0.00 0.00 -0.01 0.05 -0.12 -0.41 0.05 -0.11 -0.39 0.00 0.00 0.00		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.03	-0.07	-0.24	
Gila County (part): Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00	
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.07	-0.16	-0.56	
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.01	-0.07	-0.16	-0.56	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.12	-0.39	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01	
Harrisburg-Lebanon- Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.12	-0.41	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.11	-0.39	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00	
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00	
Houston-Galveston- Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.08	-0.48	-1.26	-4.22	
Houston-Galveston- Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.45	-1.20	-4.00	

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.09	-0.28
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.08	-0.25
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.09
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.09
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Imperial Valley, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02	-0.08
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05	-0.17
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.14	-0.45
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.03	-0.07	-0.25
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.02
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	-0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.07	-0.22
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03
Jefferson County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03

	NAAQS		General	ission Change	nges by Alternative (tons per year) ^c			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8 -0.31 -0.01 0.00 -0.24 -0.24 -0.01 0.00 -0.02 -0.02 -0.02 -0.03 -0.38 -0.02 0.00 -0.17 -0.09 -0.01 -0.01 -0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.10	-0.31
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.07	-0.24
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.07	-0.24
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.02
Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.02
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.04	-0.09	-0.30
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.11	-0.38
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	-0.17
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	-0.09
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.11
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8	
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01	
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.06	-0.20	
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06	-0.20	
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.08	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.10	-0.25	-0.84	
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.25	-0.84	
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	0.00	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02	-0.06	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.02	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.08	-0.25	
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.02	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.06	-0.16	-0.52	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.01	-0.06	-0.16	-0.52	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.14	-0.76	-1.92	-6.51	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.14	-0.76	-1.92	-6.51	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.14	-0.76	-1.92	-6.51	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.14	-0.76	-1.92	-6.51	

	NAAQS		General	Em	ission Chang	tive (tons per	r year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.14	-0.76	-1.92	-6.51
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.14	-0.76	-1.92	-6.51
Louisville, KY-IN (IN Portion)	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03	-0.10
Louisville, KY-IN (KY Portion)	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.11	-0.36
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.04
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.04	-0.14
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.04
Manitowoc County, WI	Ozone (2015 8-hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	-0.02
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.06
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.20	-0.49	-1.66
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.06	-0.21
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.08	-0.24
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.04
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.13	-0.44
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.17	-0.57
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.07
Milwaukee, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.15	-0.51
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.07	-0.23
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.05	-0.13	-0.45
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.15	-0.37	-1.25
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.14	-0.36	-1.21
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Missoula, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.11
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01	-0.05
Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.06
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.02
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.06	-0.18
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.03
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01	-0.03
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.09	-0.30
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	-0.12
New York-N. New Jersey- Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.32	-0.79	-2.69
New York-N. New Jersey- Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.11	-0.57	-1.42	-4.83
New York-N. New Jersey- Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.11	-0.58	-1.45	-4.93
New York-Northern New Jersey-Long Island, NY-NJ- CT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.57	-1.42	-4.84
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.26	-0.86
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	-0.03
Ogden, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Olmsted County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.01	-0.04
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	-0.02

	NAAQS		General	Em	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00		
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02		
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00		
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	0.00		
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.04		
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02		
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.12	-0.41		
Philadelphia-Wilmington, PA-NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.05	-0.12	-0.42		
Philadelphia-Wilmington, PA-NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.15	-0.38	-1.30		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.27	-0.68	-2.32		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.28	-0.69	-2.34		
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.19	-0.48	-1.62		
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.20	-0.49	-1.67		
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.20	-0.49	-1.69		
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Pima County; Ajo planning area, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00		
Pima County; Rillito planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01		
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03	-0.09		
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.09		
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.10		
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.18	-0.50	-1.64		

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.16	-0.45	-1.48
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.14	-0.48
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.03
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.02	-0.06
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.03	-0.09	-0.29
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.08	-0.20	-0.68
Ramsey County, MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.05	-0.15
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	-0.10
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.06	-0.20
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.06	-0.20
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.03	-0.07	-0.24
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.14	-0.76	-1.91	-6.48
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	-0.10

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.16	-0.51
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.12	-0.33	-1.08
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.16	-0.43	-1.43
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.16	-0.43	-1.43
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.17	-0.59
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.16	-0.42	-1.41
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	-0.09
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.09	-0.29
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.10	-0.27	-0.90
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.18	-0.61
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.07	-0.18	-0.61
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.26	-0.89
San Bernardino County, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.13	-0.42
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.16	-0.39	-1.32
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Severe 15	25	0	-0.03	-0.16	-0.39	-1.31
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.16	-0.39	-1.31
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.38	-0.96	-3.25
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.37	-0.96	-3.25
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.38	-0.97	-3.26
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.36	-0.92	-3.10
San Joaquin Valley Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.27	-0.71	-2.37
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.04	-0.27	-0.71	-2.37

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.04	-0.27	-0.71	-2.37
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.27	-0.71	-2.37
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.04	-0.27	-0.71	-2.37
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.05	-0.17
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.05	-0.17
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03	-0.11
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.13	-0.33	-1.14
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	-0.03
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01	-0.02
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.09	-0.29
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.02
Spokane County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.04	-0.13
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.04	-0.13

	NAAQS		General	Em	ission Chang	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.01	-0.05
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.12	-0.38
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.09	-0.30
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.12	-0.30	-1.02
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	10	0	-0.02	-0.12	-0.31	-1.06
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05	-0.16
Steubenville-Weirton, OH- WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.07	-0.24
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.04	-0.15
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.07	-0.24
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06	-0.20
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	-0.03
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.02	-0.08
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.03
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05	-0.15

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons pe	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.08	-0.29
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	-0.02
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	-0.05
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03	-0.08
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.09	-0.31
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04	-0.12
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.06	-0.16	-0.52
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.06	-0.16	-0.52
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	-0.08
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	-0.02
Warren County, NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04	-0.13
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04	-0.13
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04	-0.13
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.08	-0.26
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.05	-0.24	-0.60	-2.05

	NAAQS		General	Em	ission Change	es by Alterna	tive (tons per	year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3	PC2LT4	PC3LT5	PC6LT8
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.24	-0.60	-2.03
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03	-0.10
Wayne County, MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	-0.13
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	-0.03
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	-0.03
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	-0.19
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	-0.08
Yakima County, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	-0.04
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	-0.01
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	-0.07
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01	-0.04
Yuma, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02	-0.07

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO $_2$ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO $_2$ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-23. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Particulate Matter (PM2.5), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.12
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.09
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.04
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.05
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.08	0.42
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.06	-0.30
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.02	0.09
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.01	0.03
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.17	-0.92
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.16	-0.84

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.01	0.05
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.10	-0.54
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.10	-0.54
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.02	0.34	1.67
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.09	0.45
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.10	0.48
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.04
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.08
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.12	0.61
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.05	0.26
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.17
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.05	-0.25
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.04	0.84	4.08
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.02	0.35	1.64
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.05
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.16
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.12
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.15
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.09
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.05
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.02	-0.10
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.01	0.05
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.02	0.07
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.18
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.17
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.26	1.29
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.02	0.08
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.09
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.07
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.12	-0.68
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.67
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.06
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.02	0.49	2.42
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.08	0.34
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.08
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.06	0.23
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.10
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.06	0.23
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.01	0.26	1.29
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.02	0.08
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.05	0.23
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.05	0.26
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.10	0.48
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.03
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.01	0.06
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.12
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.02	-0.12
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.01	0.14	0.68
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.02
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.10
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.09
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.05	1.06	5.15
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.05	1.06	5.16
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.05	0.25
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.07	0.34

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.02	0.08
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.08
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.08
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.05	0.23
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.02
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.05
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.02	0.41	2.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.02	0.41	2.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.07
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.26	1.27
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.26	1.28
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.04
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.15
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.15
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.10	0.48
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.23	1.13
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.02	0.08
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.02	0.40	1.97
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.02	0.40	1.97
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.01	0.24	1.10
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.01	0.24	1.10
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.01	0.24	1.10
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.01	0.24	1.10
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.01	0.24	1.10
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.01	0.24	1.10
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.08
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.14	0.68
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.08	0.41
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.12	-0.63
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.06
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.02
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.03	0.13
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.02	0.11
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.11
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.10
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.03	0.12

	NAAQS		General	Emissio	n Changes by A	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14			
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.03	0.13			
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01			
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01			
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01			
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00			
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00			
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00			
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00			
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00			
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00			
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00			
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00			
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01			
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01			
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01			
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00			
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01			
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00			
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00			
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06			

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.01	0.03
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.04	-0.25
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.13	-0.72
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.13	-0.77
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.13	-0.72
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.38	1.84
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.03	0.15
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.38	1.83
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.02	0.39	1.85
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.05	1.04	5.04
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.12	-0.62
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.63
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.64
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.01	0.04
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.04
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.12
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.02	0.07
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.19
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.09	0.45
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.03
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.01	0.24	1.10
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.06	0.30
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.03
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.54	2.62
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.02	0.51	2.46
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.02	0.51	2.46
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.02	0.51	2.47
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.04	0.19
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.04

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.04
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.01	0.04
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.17
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.02	0.40	1.98
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.19
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.19
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.19
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.02	0.50	2.42
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.02	0.50	2.42
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.02	0.50	2.42
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.50	2.44
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.04	0.91	4.44
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.04	0.91	4.44
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.04	0.91	4.44
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.04	0.91	4.44
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.04	0.91	4.44
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.03	0.12
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.03	0.12
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02		
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.03	-0.19		
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00		
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.02	0.07		
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03		
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03		
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03		
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.13	0.66		
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.03	0.10		
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.05	0.19		
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.04	-0.23		
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.06		
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.01	0.05		
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.02	0.12
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.02	0.08
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.02	0.08
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.02	0.07
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.02	0.11
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.02	0.40	1.97

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.02	0.40	1.97
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.05	0.24
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.05	0.24
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.05	0.24
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.07	-0.36
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.36
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.02	0.12
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.05	0.25
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year)				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-24. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Particulate Matter (PM2.5), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.14
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.07
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.31
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.18
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.06
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.19
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.06	-0.20
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.26	0.76
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.05
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.32	-1.08
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.05	0.16
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.02	0.05
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.05	-0.99	-3.28
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.91	-3.02

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14			
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01			
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.01	0.02			
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00			
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.58	-1.93			
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.58	-1.94			
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.05	0.99	2.81			
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00			
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00			
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06			
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.01	0.27	0.78			
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.30	0.86			
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.09	-0.32			
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.14			
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.29			
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.02	0.38	1.10			
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00			
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01			
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04			
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01			
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01			
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01			

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.15	0.43
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.06
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.08
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.18	-0.61
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.27	-0.89
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.10	2.19	5.99
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.03	0.67	1.56
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.02	0.05
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.17	-0.56
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.16	-0.57
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.17	-0.57
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.10	-0.32
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.26
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.11	-0.37
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.06	-0.27
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.04	-0.21
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.11

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.20	-0.66
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.19	-0.63
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.80	2.31
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.05	0.15
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.32
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.26
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.79	-2.67
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.78	-2.65
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.06	-0.21
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.07	1.50	4.33
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.03	-0.09
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.15	-0.57
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.23	-0.86
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.16	-0.56
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.13	-0.66
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.05	0.15
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.13	-0.66
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.04	0.81	2.34
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.05	0.15
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.01	0.12	0.34
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.16	0.47
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.01	0.28	0.77
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.04	-0.12
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.04	0.11
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.13	-0.43
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.01	-0.13	-0.43
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.02	0.40	1.13
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.04
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.01	0.04
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.11	-0.36
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.31
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.14	2.94	8.24
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.14	2.95	8.28
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.16	0.46
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.21	0.62

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.05
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.05
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.05	0.14
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.05	0.13
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.08	-0.28
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.01	0.14	0.41
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, Primary	100	0	0.00	0.01	0.03
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.02	0.07
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.06	1.25	3.61
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.06	1.25	3.61

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.07	-0.23
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.25
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.78	2.24
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.79	2.28
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.04	-0.15
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.15
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.17	-0.57	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.17	-0.57	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Laurel Area (Yellowstone County), MT	SO₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.01	0.30	0.86	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.03	0.70	2.02	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.05	0.14	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.06	1.22	3.51	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.06	1.22	3.51	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.01	0.27	0.36	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.01	0.27	0.36	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.01	0.27	0.37	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.01	0.27	0.37	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.01	0.27	0.37	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.01	0.27	0.37	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.06	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.28	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.02	0.42	1.20
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.26	0.74
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.68	-2.26
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.07	-0.23
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.03
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.04	0.08
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.02	0.02
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.06
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.38
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.05	-0.16
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.10	-0.34
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.07	-0.37

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.07	-0.34
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.02
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.06	-0.21

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.02	0.05
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.43	-1.54
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.05	-0.94	-3.23
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.99	-3.38
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.94	-3.23
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.14	-0.52
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	1.12	3.22
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.10
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.05	1.02	2.84
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.04	0.88	2.27
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.14	2.88	8.05
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.67	-2.23
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.68	-2.26
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.68	-2.27
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.03
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.07
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.06	-0.24
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.21
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.13	-0.44
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.05

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.02	0.05
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.21	-0.69
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.28	0.81
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.10
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.08
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.08
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.08
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.09
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.01	0.28	0.38
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.18	0.52
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.05
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.07	1.55	4.41
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.06	1.38	3.83
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.06	1.38	3.83
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.13	-0.49
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.07	1.39	3.86
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.09
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.10	0.28
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.15	-0.56

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.26
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.06	-0.26
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.19	-0.65
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.06	1.23	3.56
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.20	-0.67
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.20	-0.67
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.20	-0.67
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.06	1.32	3.64
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.06	1.32	3.64
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.06	1.32	3.64
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	1.35	3.72
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.13	2.66	7.59
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.13	2.66	7.59
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.13	2.66	7.59
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.13	2.66	7.59
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.13	2.66	7.59
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.08	0.22
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.08	0.22
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.08
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.21	-0.70
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.02	0.05
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.12
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.04	-0.12
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.12
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.41	1.18
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.08	-0.37
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.17	-0.79
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.44	-1.57
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.04	0.11
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.03	0.08
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.07

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.15
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.07	0.21
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.05	0.15
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.23
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.04	0.12
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.04	0.12
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.05	0.11
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.06	1.22	3.51

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.06	1.22	3.51
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.15	0.43
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.01	0.15	0.43
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.15	0.43
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.06	-0.19
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.02	-0.39	-1.28
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.39	-1.29
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.08
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.07	0.21
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.16	0.46
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.13
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-25. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Sulfur oxides (SO₂), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.34	1.69
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.01	0.05
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.01	0.12	0.58
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.05
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.11	0.53
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.16	3.59	17.67
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.01
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.18
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.16
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.02	0.12
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.11	-0.54
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.10	-0.50

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.06	0.29
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.02
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	0.10	0.48
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.10	0.48
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.08	1.78	8.78
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.02
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.09	2.05	10.09
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.09	2.05	10.10
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.13	0.62
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.02	0.45	2.22
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.13
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	s per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.32	1.59
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.10
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.15
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.21	4.68	23.05
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.10	2.30	11.30
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.03	0.61	3.01
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.09
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.03	0.59	2.91
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.09
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.04
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.01	0.28	1.37
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.01	0.04
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.01	0.29	1.43
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.28	1.37
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.95	4.69
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.01
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.06	0.30
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.04
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.04	-0.19
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.18
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.08	1.82	8.97
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.05	1.02	5.02
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.01	0.33	1.61
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.02	0.33	1.64
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.02	0.45	2.22
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.12	2.77	13.62
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.47	2.33
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.12	2.77	13.62
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.05	0.25
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.04	0.95	4.70
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.06	0.30
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.01	0.19	0.94
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.20	0.96
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.02	0.38	1.89
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.02	0.10
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.02	0.10
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.12
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.04	0.19	
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.07	
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.07	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.05	1.06	5.21	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.06	0.28	
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.06	0.28	
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.02	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.02	
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.64	14.30	70.41	
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.64	14.29	70.38	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	1.88	9.24	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.46	2.26	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.06	0.30
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.05	0.27
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.05
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.03	0.76	3.74
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.13
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.06	0.28
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.03	0.16
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.20	4.38	21.56
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.20	4.38	21.56

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.95	4.69
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.03
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.95	4.69
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.09		
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.09		
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.09	2.05	10.10		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.06	1.43	7.04		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.05		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.03	0.14		
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.20	4.37	21.54		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.20	4.37	21.54		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.19	4.29	21.11		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.19	4.29	21.11		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.19	4.29	21.11		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.19	4.29	21.11		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.19	4.29	21.11		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.19	4.29	21.11		
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01		
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.09	1.94	9.54	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.16	3.59	17.67	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.07	-0.37	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04	
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.10	0.47	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.13	0.62	
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.01	0.12	0.61	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.06	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.08	1.75	8.63	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.08	1.75	8.64
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.08
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.11
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.06	0.30
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.08	0.41
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.03	0.15
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.02	0.12
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.03	0.15
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.07	1.54	7.60
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.01
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS	General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.65	3.18	
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.08	0.39	
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.08	1.69	8.31	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.08	1.75	8.63	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.26	5.80	28.57	
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.07	-0.36	
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.37	
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.37	
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.06	
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01	
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.01	0.04	
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.01	0.25	1.24	
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.24	1.19	
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04	
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.06	1.23	6.08
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.11
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.08	1.79	8.82
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.19	4.29	21.11
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.38	1.88
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.04
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.29	6.54	32.20
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.29	6.52	32.10
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.29	6.52	32.10
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.22	1.07
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.29	6.52	32.11
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.07	1.57	7.73
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.07	1.54	7.59

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.07	1.55	7.64
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.07	1.55	7.64
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.01	0.27	1.31
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.20	4.38	21.55
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.11
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.11
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.11
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.29	6.51	32.08
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.29	6.51	32.08
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.29	6.51	32.08
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.29	6.52	32.09
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.50	11.10	54.64
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.50	11.10	54.64
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.50	11.10	54.64
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.50	11.10	54.64
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.50	11.10	54.64
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.02	0.50	2.46
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.02	0.50	2.46
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.12	0.58
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.06
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.06	1.23	6.08
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.07	1.53	7.54
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.16	3.55	17.49
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.32	7.13	35.13
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.16	3.53	17.38
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.19	0.96
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.21	1.02
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.05
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.06	1.24	6.10
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.06	0.30
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.07	0.36
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.04	0.89	4.37
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.06	1.24	6.09
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.20	4.39	21.63

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.20	4.39	21.63
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.01
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.03	0.74	3.64
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.03	0.74	3.64
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.74	3.64
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.04	-0.21
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.21
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.47	2.34
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	1.75	8.62
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-26. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Sulfur oxides (SO₂), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.96	2.87
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.13
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.03	0.08
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.02	0.33	0.97
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.09
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.30	0.91
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.08
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.47	10.17	30.74
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.02
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.12	-0.45
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.09	0.28
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.07	0.21
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.02	-0.38	-1.36
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.35	-1.26

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.01	0.16	0.48
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.04
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.01	0.24	0.59
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.01	0.23	0.58
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.23	5.04	15.23
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.27	5.80	17.54
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.27	5.81	17.57
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.02	0.35	1.02
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.11
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.06	1.28	3.86
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.07	0.22
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.04	0.91	2.75
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.04
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.25
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.10	-0.37
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.61	13.20	39.73
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.30	6.44	19.29
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.08	1.73	5.22
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.07	-0.23
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.08	1.66	4.96
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.07	-0.24
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.02
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.04	0.77	2.28
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.01	0.02
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.04	0.80	2.38
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.04	0.78	2.30
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.09
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.13
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.12	2.70	8.16
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.01	0.02
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.17	0.53
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.02
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.17	-0.70
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.17	-0.69
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.09
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.24	5.16	15.59
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.13	2.86	8.55
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.04	0.90	2.66
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.04	0.91	2.66
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.06	1.26	3.76
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.36	7.79	23.42
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.06	1.34	4.04
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.36	7.79	23.42
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.15	0.44
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.13	2.70	8.17
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.01	0.17	0.53
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.03	0.54	1.63
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.55	1.67
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.05	1.09	3.27
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.02
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.06	0.17
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.05	0.16
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.07	0.20
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.04
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.11	0.32
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.05	-0.18
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.05	-0.18
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.14	2.99	9.04
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.16	0.49
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.01	0.16	0.49
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.14
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.13
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.02
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.04
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.04
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	1.87	40.46	122.22
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	1.87	40.45	122.18
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.25	5.32	16.08
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.06	1.30	3.93

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.17	0.52
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.15	0.46
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.03	-0.12
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.10	2.15	6.50
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.07	0.22
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.16	0.49
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.09	0.28
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.57	12.40	37.50
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.57	12.40	37.50

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.10
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.12	2.69	8.14
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.02	0.04
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.12	2.70	8.15
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.06
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.07	-0.24		
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.24		
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.27	5.81	17.57		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.19	4.05	12.25		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.03	0.09		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.08	0.25		
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.01		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.57	12.39	37.46		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.57	12.39	37.46		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.56	12.07	36.29		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.56	12.07	36.29		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.56	12.08	36.31		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.56	12.08	36.31		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.56	12.08	36.30		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.56	12.08	36.30		
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02		
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.12		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.25	5.49	16.59
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.47	10.16	30.73
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.26	-0.93
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.10
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.27	0.82
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.35	1.03
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.02	0.34	1.01
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.16
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.06
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.04	-0.14
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.23	4.94	14.87

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.23	4.95	14.88
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.05	0.14
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.06	0.19
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.09

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.17	0.52
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.08
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.19	0.43
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.24
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.32
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.25
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.20	4.35	13.10
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.01	0.02
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.08	1.82	5.50
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.21	0.59
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.22	4.76	14.34
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.23	4.92	14.74
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.76	16.39	49.42
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.26	-0.92
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.26	-0.94
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.26	-0.94
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.04	0.11
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.02
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.02	0.06
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.03	0.70	2.07
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.03	0.67	2.00
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.13
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.16	3.49	10.55
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.08	-0.29
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.23	5.07	15.34
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.56	12.08	36.31
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.05	1.08	3.26
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.06
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.86	18.51	55.94
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.85	18.44	55.69
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.85	18.44	55.69
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.59	1.74
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.85	18.45	55.70
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.21	4.44	13.43
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.20	4.35	13.08

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.20	4.38	13.20
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.20	4.38	13.20
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.03	0.74	2.19
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.57	12.40	37.48
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.08	-0.28
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.08	-0.28
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.08	-0.28
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.85	18.42	55.62
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.85	18.42	55.62
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.85	18.42	55.61
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.85	18.43	55.64
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	1.46	31.42	94.96
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	1.46	31.42	94.96
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	1.46	31.42	94.96
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	1.46	31.42	94.96
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	1.46	31.42	94.96
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.07	1.42	4.28
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.07	1.42	4.28
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.33	1.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.05	-0.19
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.16	3.49	10.55
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.02
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.20	4.34	13.13
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.47	10.04	30.28
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.93	20.16	60.82
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.46	9.95	29.93
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.03	0.55	1.67
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.03	0.59	1.78
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.02	0.07
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.16	3.51	10.62
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.01	0.17	0.53
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.10
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.01	0.20	0.61
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.12	2.52	7.61
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.16	3.50	10.58
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.58	12.44	37.62

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.58	12.44	37.62
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.01
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.10	2.10	6.34
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.10	2.10	6.34
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.10	2.10	6.34
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.08
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.01	-0.15	-0.53
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.15	-0.53
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.06	1.34	4.06
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.23	4.96	14.99
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General		Emission Changes by Alternative (tons per year)				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02		
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02		

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-27. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Nitrogen oxides (NO_x), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.09
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.05	1.04	4.98
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.23
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.06
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.03	0.12
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.02	0.38	1.77
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.13
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.35	1.73
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.10
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.12
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.95	4.66
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.01	0.04
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.19	-1.20
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.06	1.35	6.64
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.01	0.22	1.08
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.03	-0.44	-3.00
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.40	-2.72

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.02	0.05
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.02	-0.28	-1.89
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.02	-0.28	-1.90
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.10	2.22	10.80
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.02	0.08
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.02	0.50	2.42
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.02	0.51	2.50
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.17	0.68
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.30
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.02	0.53	2.59
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.05
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.03	0.13
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.19	0.92
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.07
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.02	0.46	2.23
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.11	-0.68
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.15	-0.97
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.12	2.82	13.13
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.05	1.23	5.31
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.03	0.13
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.03	0.13
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.06	0.26
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.06	-0.46
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.26
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.10	-0.65
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.34
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.07	0.14
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.06	-0.39
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.13	0.46
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.08	0.20
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.54
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.07	-0.51
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.76	3.73
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.02
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.04	0.20
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.34
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.28
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.02	0.57	2.06
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.02	0.58	2.09
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.24
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.08	1.73	8.50
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.06	1.32	6.11
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.05	1.08	5.03
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.05	1.12	5.16
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.05	0.05
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.03	0.77	3.23
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.16	0.74
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.03	0.77	3.23
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.05	0.22
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.04	0.77	3.77
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.04	0.20
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.01	0.19	0.90
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.20	0.96
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.02	0.36	1.74
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.05	0.26
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.05	0.25
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.11	0.52
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.14
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.07	0.34
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.07	-0.45
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.07	-0.46
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.06	1.37	6.69
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.05	0.23
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.05	0.23
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.25
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.30
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.04	0.18
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.23	5.17	24.84
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.23	5.13	24.67
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.43	2.14
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.55	2.71

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.04	0.19
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.67	3.27
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.04	-0.25
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.02	0.47	2.31
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.05
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.05	0.23
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.42	2.08
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.08	1.77	8.70
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.08	1.77	8.70

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.04
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.00
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.03	0.76	3.69
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.05
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.76	3.72
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.04
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.10	-0.66		
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.10	-0.65		
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.02	0.51	2.50		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.04	0.86	4.24		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.03	0.13		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.83	4.06		
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.08	1.78	8.72		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.08	1.78	8.72		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.06	1.39	6.01		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.06	1.39	6.01		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.06	1.40	6.02		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.06	1.40	6.02		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.06	1.40	6.02		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.06	1.40	6.02		
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01		
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.31		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.87	4.25
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.95	4.68
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.05
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.02	-0.39	-2.50
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.20
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.17	0.81
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.05	0.18
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.06	0.20
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.43
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.17
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.06	-0.38
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.60	2.62

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.02	0.60	2.66
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.06
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.02
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.03	0.12
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.14	0.68
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.24

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.06	0.28
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.21
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.12	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.13	-1.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.18	-1.91
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.13	-1.65
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.01	0.26	1.03
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.06
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS	General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	1.05	5.11	
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.07	0.15	
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.06	1.44	6.83	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.06	1.43	6.46	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.20	4.37	20.95	
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.39	-2.47	
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.39	-2.51	
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.39	-2.51	
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.14	
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.03	
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.27	1.31	
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.02	0.07	
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.06	1.38	6.63	
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.06	1.27	6.10	
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00	
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.06	-0.40	
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02	
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.05	

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.10	0.46
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.12	-0.76
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.03	0.73	3.61
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.01	0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.08
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.09
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.09
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.10
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.06	1.40	6.03
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.03	0.55	2.72
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.29	1.44
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.08	1.79	8.64
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.08	1.71	8.06
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.08	1.71	8.06
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.39	1.71
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.08	1.71	8.08
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.02	0.40	1.91
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.01	0.25	1.00

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.30	1.31		
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.01	0.30	1.31		
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.07	0.16		
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.08	1.79	8.78		
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.10	-0.66		
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.10	-0.66		
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.10	-0.66		
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.07	1.65	7.74		
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.07	1.65	7.74		
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.07	1.65	7.73		
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	1.66	7.81		
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.14	3.04	14.71		
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.14	3.04	14.71		
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.14	3.04	14.71		
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.14	3.04	14.71		
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.14	3.04	14.71		
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.09	0.46		
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.09	0.46		
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.02	0.10		
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		

	NAAQS		General	Emission	n Changes by /	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.08
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.10	-0.67
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.10	0.46
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.03	0.17
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.13
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.12
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.13
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	1.03	5.05
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.02
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.03	0.76	3.47
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.07	1.64	7.49
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.02	0.64	2.57
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.31	1.53
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.16	0.78
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.05
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.14
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.02
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.01	0.13	0.64
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.04	0.20
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.25
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.01
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.03	0.55	2.72
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.02	0.44	2.18
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.34	1.64
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.08	1.77	8.65

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.08	1.77	8.65
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.03
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.05	0.22
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.02	0.44	2.14
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.02	0.44	2.15
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.44	2.15
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.21
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.01	-0.21	-1.35
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.21	-1.37
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.08
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.16	0.80
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	1.17	5.74
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.15
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.05	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-28. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Nitrogen oxides (NO_x), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.17	-0.59
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.13	2.70	7.13
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.40	-1.37
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.02	0.03
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.06	0.14
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.04	0.89	2.28
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.08	0.22
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	1.08	3.01
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.22	-0.77
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.24	-0.84
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.14	2.97	8.35
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.14
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.03
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.08	-1.63	-5.42
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.20	4.23	11.89
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.03	0.69	1.93
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.21	-4.56	-15.35
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.20	-4.17	-14.05

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.09	-0.35
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.13	-2.78	-9.30
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.13	-2.79	-9.36
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.31	6.55	18.07
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.05
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.04
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.07	1.48	4.08
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.08	1.60	4.48
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.04	-0.29
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.17	-0.59
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.42	-1.41
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.08	1.65	4.64
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.09
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.05	0.11
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.02	0.51	1.37
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.09	-0.31
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.06	1.32	3.60
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.92	-3.05
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.06	-1.34	-4.45
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.30	6.09	14.91
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.06	1.08	0.81
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.05	0.11
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.07
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.05	0.12
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.09	0.19
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.75	-2.56
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.74	-2.63
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.04	-0.91	-3.04
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.47	-1.57
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.49	-1.95
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.55	-1.84
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.31	-1.44
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.41	-1.67
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.08	-0.32

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.89	-3.02
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.85	-2.88
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.15
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.11	2.35	6.57
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.01	0.03
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.13	0.36
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.47	-1.57
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.39	-1.28
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.05	-1.03	-5.16
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-1.00	-5.05
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.32	-1.08
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.26	5.33	14.87
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.13	2.74	6.57
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.11	2.33	5.71
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.10	2.13	4.85
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.60	-2.31
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.02	0.31	-0.79
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.41	1.09
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.02	0.31	-0.81
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.05
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.12	0.30
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.12	2.40	6.74
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.01	0.12	0.34
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.02	0.46	1.19
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.61	1.70
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.05	0.96	2.57
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.09	-0.28
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.02
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.01	0.14	0.38
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.01	0.11	0.29
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.13
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.06	-0.20
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.33	0.91
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.05
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.21	-0.71
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.06
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.01	0.22	0.60
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.64	-2.12
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.64	-2.12
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.20	4.10	11.34
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.15	0.42
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.01	0.15	0.41
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.45	-1.53
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.44	-1.48
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.11	0.31
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.02
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.68	14.08	37.83
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.67	14.01	37.68
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.07	1.36	3.83
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	1.73	4.85

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.25
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.08	-0.25
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.20
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.20
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.07	-0.24
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.11	0.30
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.10	2.07	5.78
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.38	-1.29
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.06
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.03	-0.10
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.19
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.07	1.45	4.05
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.05
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.08
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.14	0.38
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.06	1.30	3.63
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.27	5.54	15.53
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.27	5.54	15.53

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.21	-0.77
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.21	-0.78
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.08
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.11	2.26	6.25
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.07	-0.24
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.11	2.31	6.43
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.15	-0.54
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.15	-0.54
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.09	-0.28

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.92	-3.04
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.91	-3.04
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.08	1.59	4.47
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.04	-0.14
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.13	2.67	7.47
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.08	0.22
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.24
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.12	2.57	7.22
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.26	5.46	15.24
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.26	5.46	15.24
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.06	1.19	0.78
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.06	1.19	0.78
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.06	1.19	0.80
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.06	1.19	0.81
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.06	1.19	0.80
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.06	1.19	0.80
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.05	-0.19
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.42	-1.41
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.12

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.13	2.64	7.36
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.14	2.97	8.32
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.12
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.07
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.07	-0.22
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.16	-3.41	-11.33
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.31	-1.06
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.02	0.52	1.45
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.12
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.12	-0.58
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.16	-0.74
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.27
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.58	-1.93
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.24	-0.78
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.52	-1.73
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.71	1.09

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.76	1.23
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.06	-0.21
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.21
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.29
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.11
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.08	0.22
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.10
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.43	1.21
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.08
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.08
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.32	-1.07

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.18	0.49
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.28	-0.93
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.08	-1.76	-6.64
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.20	-4.20	-14.80
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.21	-4.47	-15.69
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.20	-4.19	-14.78
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.10	-1.00
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.08	-0.25
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.25
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.09
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.08
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.08
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.05	-0.16
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.09

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.15	3.07	8.44
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.52	-2.04
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.17	3.57	9.28
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.12	2.35	4.91
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.56	11.60	30.88
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.16	-3.37	-11.19
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.16	-3.42	-11.35
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.16	-3.43	-11.39
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.09	0.24
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.05	-0.18
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.82	2.28
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.11
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.18	3.71	9.93
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.16	3.43	9.17
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.62	-2.09
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.11
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.07	-0.23

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.01	0.16	0.32
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-1.04	-3.44
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.11	2.30	6.46
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.07	-0.29
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.12	-0.39
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.12	-0.40
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.12	-0.40
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.14	-0.46
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.06	1.21	0.86
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.08	1.72	4.80
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.92	2.59
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.24	4.95	13.36
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.20	4.11	10.54
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.20	4.11	10.54
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.37	0.36
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.20	4.14	10.64
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.13	-0.43
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.05	1.10	2.99
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.16	-1.19

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.29	0.29
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.01	0.29	0.29
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.46	-1.83
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.27	5.54	15.50
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.05	-0.96	-3.23
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.05	-0.96	-3.22
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.96	-3.22
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.18	3.73	9.32
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.18	3.73	9.33
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.18	3.73	9.31
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.19	3.83	9.66
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.42	8.64	23.55
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.42	8.64	23.55
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.42	8.64	23.55
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.42	8.64	23.55
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.42	8.64	23.55
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.01	0.29	0.81
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.01	0.29	0.81
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.06	0.16
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.12	-0.39
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.05	-1.01	-3.40
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.07
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.06
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.01	0.16	0.32
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.11	0.31
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.18	-0.61
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.18	-0.61
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.18	-0.61
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.15	3.21	9.02
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.06	1.31	2.80
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.14	2.92	6.42
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.24	-2.48
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.05	0.97	2.72
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.02	0.48	1.33
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.31

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.03	0.08
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.20	-0.69
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.27
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.20
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.02
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.02	0.41	1.15
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.06	-0.19
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.01	0.13	0.36
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.35	-1.18
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.06
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.02
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.01	0.02
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.08	1.70	4.73
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.07	1.37	3.83
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.04	0.91	2.44
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.29
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.26	5.42	15.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.26	5.42	15.13
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.02	0.05
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.11	0.28
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.07
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.03
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.07	1.37	3.84
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.07	1.37	3.84
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.07	1.37	3.84
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.29	-0.95
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.09	-1.90	-6.32
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.09	-1.91	-6.34
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.12	-0.39
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.49	1.36
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.09
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.18	3.66	10.29
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.20	-0.66
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.22
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.15
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.05

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.06	-0.19	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.09	-0.29	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-29. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Volatile Organic Compounds (VOCs), 2035

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.54	-2.71
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.11	-2.61	-13.08
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.84	-4.27
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.22
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.07	-0.37
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.98	-4.92
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.13
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.24	-1.19
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.51	-2.60
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.54	-2.73
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.11	-0.53
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.16
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.15	-0.78
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.08	-1.80	-9.25
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.29	-1.45
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.11	-0.54
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.28	-6.60	-33.71
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.26	-5.99	-30.61

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.13
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.35	-1.78
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.15	-3.43	-17.60
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.15	-3.45	-17.69
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.08	-2.05	-10.26
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.06
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.17	-0.85
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.53	-2.63
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.17	-0.84
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-1.31	-6.66
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.54	-2.71
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.97	-4.90
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.39
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.10
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.14	-0.73
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.14
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.14
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.08

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.41	-2.08
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.10	-0.51
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.44	-2.22
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-1.19	-6.07
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.08	-1.94	-9.87
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.26	-6.09	-31.03
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.35	-8.38	-42.35
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.14	-0.73
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.26
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.14	-0.68
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.58	-2.92
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-1.02	-5.22
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.08	-1.91	-9.69
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.06	-1.37	-6.95
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-1.22	-6.15
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.09	-2.29	-11.54
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.06	-1.39	-6.99
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.10	-2.36	-11.93
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.09	-2.17	-10.93
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.69	-3.46

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.07	-1.67	-8.46
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.06	-1.53	-7.76
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.09	-0.46
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.19	-0.95
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.19
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-1.23	-6.16
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-1.00	-5.02
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.28	-6.55	-33.36
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.28	-6.51	-33.13
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.45	-2.29
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.51	-2.55
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.25	-6.06	-30.41
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.20	-4.77	-23.95
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.24	-5.97	-29.97
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-1.69	-8.60
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.19	-4.48	-22.86
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.22	-1.09
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.19	-4.49	-22.91
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.02	-0.09
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.05
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.14	-0.69
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.09	-0.45
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.04	-0.22
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.36	-1.84
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.26
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.34	-1.72
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.11	-0.57
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.05	-0.26
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.08	-0.39
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.09	-0.47
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.20	-1.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.06	-0.30
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.17
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.30	-1.55
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.10
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.08
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.04	-1.06	-5.39
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.04	-1.06	-5.40
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-1.05	-5.27
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.15
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.04	-0.20
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.77	-3.91
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.77	-3.90
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.02
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.16
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.08
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.37	-8.97	-45.04
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.36	-8.78	-44.11
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.13	-0.65
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.06
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.07	-0.34
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.22	-1.10

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.18	-0.88
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.17	-0.88
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.12	-0.58
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.12	-0.58
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.17	-0.84
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.32
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.43	-2.12
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.56	-2.87
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.04	-0.18
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.07
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.06	-0.28
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.41
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.34	-1.67
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.04	-0.23
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.39
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.27	-1.34
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.28	-1.38
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.28	-1.38

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.11
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.11
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.13
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.66	-3.33
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.72	-3.62
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.15
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.50	-2.52
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.11	-0.58
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.10
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.35	-1.77
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.08
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.10
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.11
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.43	-2.17
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.43	-2.17
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.11	-0.57

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-1.37	-6.96
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-1.37	-6.95
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.11
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.18	-0.89
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.10	-0.52
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.20	-0.98
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.13
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.11	-0.54
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.43	-2.15
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.15
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.53	-2.69
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.53	-2.69
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.29	-6.86	-34.98
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.29	-6.86	-34.98
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.29	-6.87	-35.04
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.29	-6.87	-35.02
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.29	-6.87	-35.04
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.29	-6.87	-35.04
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.21	-1.04
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.44	-2.28
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.34

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.50	-2.52	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.21	-1.06	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.22	
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.13	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.08	-0.41	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.18	-4.18	-21.42	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.46	-2.37	
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07	
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.13	-0.65	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.25	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.71	-3.63	
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.98	-4.94	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05	
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.12	-0.61	
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.95	-4.81	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.45	-2.27	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.85	-4.30	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-2.82	-14.32	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-2.79	-14.16
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.24	-1.21
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.25	-1.25
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.14	-0.70
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.18
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.07
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.03
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.08
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.08
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.14
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.09	-0.44
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.13
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.19
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.07	-0.36
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.04	-0.21
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.04	-0.21
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.09
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.67	-3.39

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.12
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.04	-0.89	-4.46
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.34	-8.29	-41.69
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.54	-12.97	-65.41
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.56	-13.45	-67.79
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.55	-13.30	-67.04
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.09	-2.16	-10.96
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.10	-0.50
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.50
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.09
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.07	-0.34
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.04	-0.19
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.04	-0.20
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.09	-0.48
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.06	-0.32

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.86	-4.31
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-1.54	-7.88
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.11	-2.66	-13.46
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.22	-5.29	-26.89
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.22	-5.14	-26.14
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.18	-4.13	-21.14
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.18	-4.20	-21.49
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.18	-4.22	-21.59
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.12
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.08	-0.40
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.12	-0.62
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.23	-1.14
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.10	-2.45	-12.33
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-2.23	-11.22
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-1.04	-5.28
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.13	-0.63
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.10	-0.51

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.37	-1.86
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-1.30	-6.65
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.26
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.27	-1.38
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.21	-1.08
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.09
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.19	-0.97
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.19	-0.97
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.21	-1.08
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.29	-6.85	-34.94
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.37	-1.84
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.16	-0.81
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-1.60	-8.13
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.12	-2.74	-13.97
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.12	-2.74	-13.97
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-1.60	-8.18
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.11	-2.69	-13.69
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.17	-0.89
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.36	-1.83
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.09	-2.22	-11.30

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-1.48	-7.52
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.06	-1.48	-7.53
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.07	-1.72	-8.73
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.44	-2.21
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.09	-2.10	-10.58
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.09	-2.09	-10.57
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-2.08	-10.52
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.15	-3.57	-18.16
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.15	-3.57	-18.13
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.15	-3.58	-18.18
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-3.40	-17.28
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.11	-2.66	-13.47
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.11	-2.66	-13.47
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.11	-2.66	-13.47
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.11	-2.66	-13.47
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.11	-2.66	-13.47
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.06	-0.30
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.06	-0.30
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.40
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.15	-0.79
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.08	-1.96	-9.92
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.21
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.13
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.04	-0.19
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.11
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.37	-1.86
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.10
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.27	-1.40
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.27	-1.39
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.21	-1.08
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.27	-1.33
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.21
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-2.09	-10.69
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.21	-4.86	-24.79
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.21	-4.82	-24.60
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.17	-0.83
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.22	-1.09
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.17	-0.84

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.46	-2.31
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.37	-1.87
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.09
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.04	-0.20
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.35
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.04
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.37
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.17
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.48	-2.43
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.19
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	-0.01
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.75	-3.71
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.46	-2.29
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.48	-2.44
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.16	-0.83
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.49	-2.47

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.49	-2.47
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.11	-0.54
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.20
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.06
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.19	-0.93
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.23	-1.16
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.25	-1.24
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.34	-1.76
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.12	-2.76	-14.05
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-2.46	-12.56
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.22	-1.09
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.38
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.16
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.05	-0.25
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.23	-1.16
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.10	-0.50
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.52
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.18

	NAAQS	General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.12	-0.61
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.09	-0.47
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.14	-0.72

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-30. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Volatile Organic Compounds (VOCs), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.10	-2.23	-7.79
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.46	-10.49	-36.89
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.17	-3.69	-12.72
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.21	-0.69
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.31	-1.08
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.18	-4.12	-14.31
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.37
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.91	-3.25
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.10	-2.25	-7.76
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.11	-2.37	-8.16
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.37	-1.35
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.13	-0.45
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.72	-2.46
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.14
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.41	-8.90	-29.86
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-1.03	-3.75
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.02	-0.38	-1.39
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-1.41	-30.95	-104.97
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.29	-28.19	-95.52

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.12	-0.40
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-1.61	-5.51
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.14
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.77	-16.68	-56.12
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.77	-16.76	-56.40
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.36	-8.14	-28.73
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.15
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.05	-0.16
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.74	-2.54
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-2.11	-7.51
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.60	-2.18
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.26	-5.78	-19.88
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-2.23	-7.78
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.12
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-4.08	-14.20
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.27	-0.99
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.12
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.10	-0.33
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.60	-2.09
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.11	-0.39
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.11	-0.39
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.07	-0.23

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-1.66	-5.85
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.50	-1.68
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.06	-0.20
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.08	-1.85	-6.43
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.26	-5.61	-18.99
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.41	-8.93	-30.44
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.28	-28.11	-95.69
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-1.61	-36.09	-124.83
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.60	-2.09
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.22	-0.78
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.57	-1.98
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.10	-2.25	-8.02
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.23	-4.93	-16.60
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.38	-8.40	-28.92
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.29	-6.29	-21.48
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-5.02	-17.56
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.43	-9.71	-33.69
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.25	-5.73	-20.04
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.45	-10.02	-34.79
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.41	-9.15	-31.80
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.14
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-2.73	-9.67

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.34	-7.45	-25.53
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.31	-6.88	-23.55
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.40	-1.37
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.76	-2.67
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.07
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.13	-0.48
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.22	-5.03	-17.59
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.18	-4.09	-14.33
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.36	-29.88	-101.99
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.35	-29.67	-101.27
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-2.08	-7.08
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.09	-2.05	-7.20
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.08	-24.57	-86.27
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.85	-19.28	-67.80
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.07	-24.31	-85.29
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.36	-7.81	-26.58
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.95	-20.86	-70.87
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.94	-3.24
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.95	-20.91	-71.02
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.08	-0.28
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.12

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.05	-0.16
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.59	-2.09
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.33	-1.17
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.16	-0.56
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.07	-1.60	-5.51
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.21	-0.73
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-1.62	-5.45
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.54	-1.84
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.28	-0.98
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.45	-1.53
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.25
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.46	-1.60
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.25
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.85	-2.97
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.09
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.22	-0.80
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.15	-0.51
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.07	-1.44	-4.90
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.16
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.10	-0.32
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.08	-0.26
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.12
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.21	-4.73	-16.24
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.21	-4.74	-16.26
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.18	-4.18	-14.74
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.11	-0.41
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.14	-0.53
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.16	-3.53	-12.02
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-3.44	-11.79
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.02	-0.07
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.12
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.07
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.11	-0.41
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.07	-0.23
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.61	-36.50	-127.99
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.57	-35.74	-125.32
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.46	-1.68
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.05	-0.18
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.27	-0.96
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.80	-2.91

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.73	-2.54
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.73	-2.54
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.52	-1.79
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.52	-1.79
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.03	-0.70	-2.45
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.25	-0.89
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-1.55	-5.60
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.12	-2.63	-8.93
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.15	-0.53
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.05	-0.16
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.26	-0.88
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.39	-1.32
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.05	-1.24	-4.45
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.18	-0.65
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.15
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.30	-1.08
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-1.01	-3.62
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.26
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.17
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-1.00	-3.59
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.04	-1.00	-3.59

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.20
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.13
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.13	-0.42
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.13	-0.42
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.14	-0.48
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.13	-2.85	-9.85
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-3.11	-10.74
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.14	-0.49
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-2.04	-7.15
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.52	-1.76
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.09	-0.30
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-1.41	-4.98
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.07
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.06	-0.22
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.30
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.09	-0.31
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.08	-1.85	-6.40
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-1.85	-6.40
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.54	-1.84

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.29	-6.30	-21.51
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.29	-6.29	-21.48
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.34
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.03	-0.64	-2.34
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.43	-1.51
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.79	-2.77
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.10	-0.37
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.49	-1.68
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-1.55	-5.64
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.13	-0.45
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.09	-2.13	-7.48
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.09	-2.13	-7.48
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.46	-31.95	-108.61
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-1.46	-31.95	-108.61
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-1.46	-31.99	-108.76
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-1.46	-31.98	-108.71
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-1.46	-31.99	-108.76
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-1.46	-31.99	-108.76
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.86	-3.00
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.10	-2.22	-7.42
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.29	-1.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-1.97	-6.98
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.80	-2.88
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.21	-0.71
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.12	-0.42
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.38	-1.29
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.92	-20.10	-67.87
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-2.18	-7.39
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.19
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.20
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.46	-1.68
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.23	-0.80
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-3.21	-10.98
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.19	-4.29	-14.76
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.06	-0.20
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.18
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.06	-0.19
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.56	-1.91
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.19	-4.23	-14.52
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-1.93	-6.69
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.17	-3.78	-12.96
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.57	-12.70	-43.49

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.57	-12.52	-42.89
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-1.05	-3.70
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-1.08	-3.81
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.63	-2.17
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.20	-0.68
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.09
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.27
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.06	-0.20
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.08
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.08
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.25
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.07	-0.25
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.12	-0.43
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.38	-1.31
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.09	-0.34
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.18	-0.60
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.25	-0.91
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.18	-0.63
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.18	-0.63
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.27
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-2.85	-9.90

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.09	-0.31
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.15	-3.54	-12.48
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.51	-34.12	-119.32
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-2.42	-54.54	-189.74
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.51	-56.54	-196.69
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.47	-55.68	-193.94
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.14
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.44	-9.80	-33.50
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.47	-1.58
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.47	-1.58
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.09	-0.29
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.32	-1.07
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.17	-0.58
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.18	-0.62
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.03
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.43	-1.46
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.27	-0.95

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-3.56	-12.42
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.33	-7.22	-24.51
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.52	-11.61	-40.02
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-1.07	-23.75	-81.37
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.05	-23.23	-79.45
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.91	-19.83	-66.97
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.92	-20.14	-68.00
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.93	-20.23	-68.32
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.15
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.11	-0.36
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.02	-0.38	-1.29
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.49	-1.74
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.98	-3.37
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.44	-10.08	-35.25
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.40	-9.17	-32.08
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.02	-0.06
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.07
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.21	-4.74	-16.19
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.11
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.51	-1.82
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.46	-1.58

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.08	-1.68	-5.72
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.20
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	-6.19	-20.93
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.19	-0.68
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.05	-1.19	-4.10
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.96	-3.33
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.09	-0.30
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.86	-2.93
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.86	-2.93
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.04	-0.96	-3.29
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-1.45	-31.90	-108.44
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.09
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-1.35	-4.87
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.57	-2.09
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.33	-7.27	-24.83
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.58	-12.66	-43.07
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.58	-12.66	-43.06
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.36	-7.76	-26.15
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.57	-12.45	-42.36
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.83	-2.81
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-1.60	-5.48
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.46	-10.17	-34.77

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.31	-6.79	-23.12
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.31	-6.79	-23.13
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.35	-7.67	-26.32
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.07	-1.65	-5.84
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.40	-8.92	-30.93
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.40	-8.90	-30.88
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.40	-8.87	-30.78
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.73	-16.08	-55.05
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.73	-16.06	-54.98
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.73	-16.10	-55.12
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.69	-15.34	-52.51
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.52	-11.54	-39.88
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.52	-11.54	-39.88
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.52	-11.54	-39.88
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.52	-11.54	-39.88
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.52	-11.54	-39.88
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.21	-0.76
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.21	-0.76
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.11
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.30	-1.07
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.14

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.03	-0.73	-2.46
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.39	-8.61	-29.67
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.19	-0.65
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.14	-0.48
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.17	-0.59
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.23
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.11	-0.37
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.15
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.08	-1.68	-5.72
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.08	-0.28
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-1.28	-4.36
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-1.27	-4.33
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-1.04	-3.49
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.96	-3.50
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.18	-0.62
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.10
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.46	-10.02	-33.83
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.03	-22.52	-76.58
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.02	-22.45	-76.27
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.61	-2.20
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.81	-2.90
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.75	-2.58

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.15
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.05
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-1.94	-6.74
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-1.55	-5.42
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.28
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.19	-0.64
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.34	-1.15
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.06
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.03	-0.10
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.35	-1.17
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.44
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-2.27	-7.70
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.16	-0.55
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	-0.01
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.12	-2.74	-9.92
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.11
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.07	-1.60	-5.81
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-2.08	-7.19
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.73	-2.50
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.09	-2.02	-7.06

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.09	-2.02	-7.05
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.14
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.47	-1.61
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.06
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.17	-0.58
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.05	-0.18
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.66	-2.42
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.84	-3.07
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.91	-3.31
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-1.66	-5.59
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.58	-12.71	-43.27
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.53	-11.66	-39.45
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.04	-0.97	-3.35
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.31	-1.08
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.16	-0.52
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.09
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.04	-0.12
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.17	-0.64
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-1.10	-3.71
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.46	-1.56
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.45	-1.58
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.16	-0.54

	NAAQS		General	Emission Changes by Alternative (tons per year)				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.51	-1.76	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.43	-1.47	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.65	-2.23	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-31. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Carbon Monoxide (CO), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.80	-4.30
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.12	-2.42	-13.46
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-1.78	-9.58
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.67
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.11	-0.58
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.07	-1.41	-7.72
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.08	0.29
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	-1.10	-5.91
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.06	-1.18	-6.33
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.61	2.99
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.22
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.34	-1.85
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.29	-6.22	-33.39
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.06	1.26	6.19
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.01	0.23	1.13
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.89	-19.03	-102.19
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.82	-17.51	-94.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.35
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.77	-4.16
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.12
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.53	-11.25	-60.45
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.53	-11.31	-60.76
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.05	-1.11	-6.59
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.07
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.10
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.36	-1.92
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.14	-0.90
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.29	1.41
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.13	-2.69	-14.52
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.80	-4.30
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-1.65	-8.87
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.30	1.47
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.10
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.07	-0.37
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.22	-1.20
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.19
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.19
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.03	-0.17

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.40	-2.23
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.35	-1.85
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.27	-1.65
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-3.51	-18.85
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.24	-5.15	-27.67
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.71	-15.13	-81.83
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.75	-15.89	-85.67
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.22	-1.20
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.48
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.21	-1.15
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.43	-2.36
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.15	-3.29	-17.69
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.19	-4.07	-21.87
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.16	-3.50	-18.79
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-1.83	-9.83
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.19	-4.08	-21.97
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.10	-2.17	-11.63
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.19	-4.11	-22.17
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.18	-3.75	-20.18
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.11
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.63	-3.44

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.18	-3.91	-21.00
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.17	-3.72	-19.98
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.18	-0.98
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.11	0.41
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.04	0.18
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-1.83	-9.85
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-1.49	-8.03
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.75	-15.99	-86.28
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.75	-15.86	-85.60
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-1.24	-6.66
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.01	0.29	1.11
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.33	-6.93	-37.86
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.24	-5.02	-27.52
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.33	-6.97	-38.04
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.21	-4.49	-24.14
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.56	-11.97	-64.57
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.41	-2.25
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.56	-12.00	-64.70
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.05	-0.28
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.09

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.14
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.12	-0.68
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.01	0.31	1.53
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.01
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.74	-3.99
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.11
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.05	-0.97	-5.26
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.31	-1.66
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.08	-0.46
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.16	-0.88
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.11
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.13	-0.68
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.11
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.30	-1.59
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.10
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.09	0.41
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.36
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.83	-4.45
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.15
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.07	-0.35
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.18
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.05	0.22
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.12	-2.48	-13.32
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.12	-2.48	-13.33
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.12	-1.13
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.05	0.22
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.05	0.22
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.10	-2.04	-10.95
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-1.80	-9.67
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.02	-0.08
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.14
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.08
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.03	0.12
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.13
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.44	-9.37	-51.87
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.43	-9.12	-50.51
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.19	0.95
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.13
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.24
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.31	1.53

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.29	-1.55
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.29	-1.55
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.23	-1.21
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.23	-1.21
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.27	-1.47
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.17
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.57	2.74
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.08	-1.62	-8.68
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.07	-0.40
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.07
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.15	-0.82
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.21	-1.14
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.01	0.21	0.97
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.07	-0.36
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.28	1.30
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.18
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.10
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.04	0.93	4.53
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.04	0.93	4.53

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.16
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.10
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.06	-0.34
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.34
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.39
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.06	-1.27	-6.86
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-1.39	-7.52
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.45
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.33	-1.92
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.29	-1.57
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.05	-0.27
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.09	-0.67
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.13
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.21
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.19
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.04	-0.87	-4.68
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.87	-4.68
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.31	-1.67

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.16	-3.51	-18.82
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.16	-3.50	-18.79
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.27
Laurel Area (Yellowstone County), MT	SO₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.01	0.27	1.34
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.17	-0.89
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.07	0.25
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.28	-1.49
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.74	3.62
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.06	-0.34
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.01	0.31	1.19
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.01	0.31	1.20
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.84	-17.84	-96.35
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.84	-17.84	-96.36
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.84	-17.84	-96.32
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.84	-17.83	-96.27
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.84	-17.84	-96.32
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.84	-17.84	-96.32
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.32	-1.74
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-1.63	-8.74
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.14	-0.75

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.05	0.02
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.49	2.34
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.13	-0.72
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.08	-0.42
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.25	-1.34
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.61	-13.00	-69.78
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-1.33	-7.17
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.09
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.09
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.14	0.66
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.13	-0.69
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-1.69	-9.07
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.10	-2.06	-11.06
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.18
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.16
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.17
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.34	-1.82
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.10	-2.21	-11.89
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.90	-4.82
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.09	-1.99	-10.67
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.30	-6.46	-34.90

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.30	-6.33	-34.17
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.28	-1.51
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.29	-1.55
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.35	-1.87
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.54
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.16
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.03	-0.16
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.03
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.24
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.16
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.05	-0.27
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.17	-0.92
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.07
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.11	-0.62
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.13	0.66
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.10	-0.52
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.10	-0.52
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.18
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-1.24	-6.63

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.06	0.30
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.05	-1.08	-5.78
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.59	-12.63	-67.84
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.05	-22.44	-120.56
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.10	-23.31	-125.24
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.05	-22.45	-120.63
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.12
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.24	-5.00	-27.05
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.29	-1.55
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.29	-1.55
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.24
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.17	-0.89
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.09	-0.47
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.10	-0.53
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.22	-1.16
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.12	-0.64

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.78	-4.47
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.20	-4.35	-23.41
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.22	-4.67	-25.50
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.55	-11.71	-63.37
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.47	-10.00	-54.92
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.60	-12.82	-68.85
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.61	-13.04	-70.02
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.62	-13.10	-70.34
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.07
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.35
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.25	-1.33
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.22
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.43	-2.31
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.11	-2.33	-13.11
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.10	-2.12	-11.93
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-2.60	-13.95
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.13	-0.69
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.26	-1.41

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.86	-4.67
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.14
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-3.98	-21.37
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.34	1.69
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.03	-0.58	-3.14
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.43	-2.31
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.04	-0.22
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.47	-2.51
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.47	-2.51
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.54	-2.88
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.84	-17.77	-95.98
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.18	0.82
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.27	1.34
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.13	-2.73	-15.26
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.29	-6.10	-33.36
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.29	-6.10	-33.35
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-4.88	-26.30
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.28	-5.95	-32.56
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.49	-2.63
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.42	-2.44
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.24	-5.18	-27.98

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.17	-3.54	-19.20
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.17	-3.55	-19.21
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.18	-3.89	-20.95
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.03	0.60	2.71
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.18	-3.89	-20.89
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.18	-3.88	-20.86
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-3.88	-20.84
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.35	-7.34	-40.03
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.35	-7.33	-39.96
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.35	-7.36	-40.11
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.33	-6.93	-37.79
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.15	-3.11	-17.72
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.15	-3.11	-17.72
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.15	-3.11	-17.72
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.15	-3.11	-17.72
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.15	-3.11	-17.72
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.04	0.20
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.04	0.20
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.13
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.17
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.12

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.45	-2.42
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.20	-4.15	-22.31
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.09	-0.47
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.25
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.08	-0.43
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.17
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.34
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.10
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.86	-4.67
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.02	0.08
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.71	-3.84
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.71	-3.80
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.70	-3.76
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.59	2.86
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.09	-0.46
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.06
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.28	-5.92	-32.07
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.57	-12.05	-65.30
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.61	-12.86	-69.38
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.16	0.78
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.03	0.11
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.39	-2.11

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.13
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.84	-4.52
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.57	-3.05
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.24
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.10	-0.56
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.22	-1.18
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.08	0.40
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.22	-1.20
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.04	0.21
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-1.32	-7.10
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.06	-0.34
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.01	0.16	0.70
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.01	0.12	0.53
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.70	-3.85
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.37	-1.97
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.02	0.36	1.46

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.02	0.37	1.47
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.16	-0.91
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.08	-0.43
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.03	-0.18
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.02	0.33	1.64
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.01	0.32	1.57
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.32	1.54
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-1.10	-5.89
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.35	-7.42	-39.85
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.35	-7.42	-39.87
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.02	-0.44	-2.34
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.40
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.10	-0.56
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.11
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.22	1.11
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.76	-4.07
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.25	-1.36
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.17	-0.89
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.06	-0.31

	NAAQS		General	Emission Changes by Alternative (tons per year)				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.20	-1.10	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.21	-1.11	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.32	-1.74	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-32. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Carbon Monoxide (CO), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.26	-5.50	-19.12
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.94	-19.74	-70.24
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.10
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.58	-12.17	-42.26
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.86	-2.98
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.80	-2.82
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.50	-10.61	-37.35
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.12	-0.45
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.38	-1.80
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.36	-7.49	-25.99
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.38	-8.02	-27.84
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.10	2.08	6.12
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.27	-0.95
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.12	-2.61	-9.20
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.39
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.00	-42.20	-146.34
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.20	4.20	12.27
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.04	0.77	2.26
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.11	-0.37
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-6.12	-128.78	-446.64
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-5.63	-118.52	-411.05

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.44	-1.53	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.26	-5.55	-19.31	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.16	-0.55	
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-3.62	-76.29	-264.68	
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-3.64	-76.69	-266.04	
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.58	-12.06	-44.22	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.09	-0.32	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.12	-0.43	
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.12	-2.44	-8.47	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-2.15	-7.98	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.04	0.93	2.71	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.90	-18.85	-65.75	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.26	-5.50	-19.11	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.25	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.53	-11.18	-38.78	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.05	1.01	2.97	
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.03	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.13	-0.44	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.48	-1.65	
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-1.54	-5.34	
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.24	-0.85	
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.24	-0.85	
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.21	-0.74	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.15	-3.18	-11.29
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.11	-2.38	-8.27
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.18	-0.61
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.17	-3.45	-12.85
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.13	-23.73	-82.30
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.66	-34.96	-121.23
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-5.08	-106.89	-373.10
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-5.23	-110.00	-382.80
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.07	-1.54	-5.34
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.64	-2.21
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-1.47	-5.12
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.15	-3.19	-11.17
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-1.06	-22.31	-77.39
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.32	-27.79	-96.50
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-1.14	-23.93	-83.00
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.59	-12.38	-42.95
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.33	-28.02	-97.39
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.70	-14.66	-50.85
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.35	-28.50	-99.18
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.22	-25.76	-89.55
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.15	-0.51
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-4.57	-15.97

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.26	-26.53	-92.06
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-1.20	-25.24	-87.60
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-1.25	-4.33
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.45	-2.17
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.13	0.37
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.59	-12.41	-43.04
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.48	-10.11	-35.06
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-5.29	-111.24	-387.42
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-5.25	-110.39	-384.46
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.40	-8.38	-29.07
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.06	-1.30	-6.23
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.46	-51.81	-182.24
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.83	-38.37	-135.32
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-2.47	-51.99	-182.77
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.46	-30.70	-106.56
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-3.95	-83.05	-289.09
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.14	-2.97	-10.39
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-3.95	-83.22	-289.68
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.02	-0.36	-1.26
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.13	-0.44

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.17	-0.60
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-1.04	-3.66
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.05	0.97	2.74
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.08
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.06	-0.29
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.25	-5.22	-18.19
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.27	-1.01
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.33	-6.87	-24.00
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-2.20	-7.64
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.90	-3.13
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.08	-1.63	-5.68
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.16	-0.57
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-1.03	-3.58
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.16	-0.55
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-2.09	-7.25
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.12	-0.42
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.20	0.51
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.46	-1.59
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.27	-5.75	-19.93
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.21	-0.74
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.45	-1.54
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.25	-0.88
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.01	0.14	0.38
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.80	-16.79	-58.25
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.80	-16.81	-58.30
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.22	-4.58	-17.88
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.12	0.32
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.01	0.12	0.30
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.66	-13.85	-48.09
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.58	-12.22	-42.38
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.10	-0.34
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.16	-0.55
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.10	-0.34
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.06	0.14
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.17	-0.59
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.03	-0.09
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-3.56	-74.85	-265.61
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.47	-73.00	-259.14
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.66	1.94
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.16	-0.55
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.31	-1.09
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	0.99	2.84

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.09	-1.95	-6.76
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.09	-1.95	-6.75
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.08	-1.59	-5.52
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.08	-1.59	-5.52
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.09	-1.86	-6.46
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.34	-1.24
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.07	1.42	3.64
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.05	-0.19
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.52	-10.95	-37.96
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.02	-0.50	-1.72
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.04	-0.15
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-1.04	-3.62
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-1.49	-5.17
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.01	0.16	-0.12
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.03	-0.12
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.45	-1.57
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.19	-0.76
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.36	0.46
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.25	-0.87
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.19	-0.64
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.13	2.80	7.80
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.13	2.80	7.80

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.20	-0.69
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.13	-0.44
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.53	-1.85
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.53	-1.86
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.61	-2.11
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.42	-8.84	-30.78
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.46	-9.71	-33.83
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.59	-2.04
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.16	-3.42	-12.51
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.09	-1.98	-6.86
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.34	-1.17
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-1.83	-6.97
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.08
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.16	-0.56
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.26	-0.91
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.24	-0.85
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.28	-5.90	-20.46
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.28	-5.90	-20.46
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.10	-2.20	-7.64

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.14	-23.97	-83.13
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.14	-23.93	-83.00
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.36	-1.25
Laurel Area (Yellowstone County), MT	SO₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.04	0.84	2.40
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.05	-1.12	-3.89
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.59	-2.62
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.45
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.16
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-1.89	-6.57
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.10	2.21	6.16
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.43	-1.48
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-1.35	-6.61
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-1.35	-6.61
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-5.95	-125.10	-435.97
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-5.95	-125.11	-435.98
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-5.94	-125.08	-435.88
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-5.94	-125.01	-435.67
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-5.94	-125.08	-435.89
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-5.94	-125.08	-435.89
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.11	-2.22	-7.72
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.52	-11.00	-38.16
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.94	-3.28

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-1.51	-6.21
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.06	1.22	3.13
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.93	-3.24
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.55	-1.90
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.08	-1.68	-5.83
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-4.19	-88.28	-306.14
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.43	-9.04	-31.35
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.40
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.41
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.02	0.42	1.18
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.91	-3.15
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.55	-11.55	-40.12
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.67	-14.12	-49.09
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.27	-0.95
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.24	-0.85
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.26	-0.90
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-2.33	-8.09
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.71	-14.99	-51.99
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.29	-6.07	-21.06
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.64	-13.44	-46.60
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.15	-45.20	-157.49

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.10	-44.21	-154.05		
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-2.10	-7.30		
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.10	-2.16	-7.51		
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-2.39	-8.29		
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.83	-2.88		
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.14		
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.33	-1.15		
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.15		
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.20	-0.71		
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.04	-0.13		
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.04	-0.12		
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.30	-1.05		
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.21	-0.72		
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.35	-1.22		
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-1.19	-4.13		
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.04	0.10		
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.79	-2.74		
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.05	-0.17		
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.44	1.28		
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.65	-2.25		
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.65	-2.27		
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.23	-0.78		
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.40	-8.36	-29.00		

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.19	0.56
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.35	-7.28	-25.23
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.07	-85.73	-297.48
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-7.23	-152.25	-528.25
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-7.51	-158.13	-548.63
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-7.24	-152.34	-528.55
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.17	-0.60
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.68	-35.31	-123.14
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-1.97	-6.85
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-1.97	-6.85
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.33	-1.14
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-1.19	-4.15
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.59	-2.03
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.68	-2.37
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.08
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-1.48	-5.15
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.81	-2.81

	NAAQS	General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.35	-7.34	-26.56	
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.41	-29.65	-102.94	
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.66	-34.86	-122.62	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-3.93	-82.72	-288.70	
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.65	-76.82	-271.25	
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-4.14	-87.10	-302.05	
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-4.20	-88.45	-306.73	
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-4.22	-88.88	-308.21	
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.03	0.09	
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.09	
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.43	-1.50	
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.08	-1.72	-5.98	
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.60	-2.30	
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-2.99	-10.41	
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.97	-20.38	-73.12	
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.88	-18.52	-66.46	
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.02	-0.06	
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.06	-0.19	
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.84	-17.73	-61.53	
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.09	-0.32	
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.90	-3.14	
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-1.81	-6.26	

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.29	-6.14	-21.43
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.23	-0.79
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.28	-26.92	-93.35
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.05	1.17	3.45
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.19	-3.96	-13.75
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-3.03	-10.50
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.30	-1.06
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.15	-3.14	-10.90
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.15	-3.14	-10.90
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.17	-3.62	-12.54
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-5.92	-124.64	-434.39
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.11
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.12	-0.18
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.93	2.73
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.09	-22.96	-81.99
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-2.18	-45.81	-161.29
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-2.18	-45.80	-161.28
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.62	-34.02	-118.35
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.14	-44.98	-158.43
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-3.39	-11.74
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.20	-4.17	-15.17
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-1.75	-36.77	-128.21

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.20	-25.28	-88.35
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-1.20	-25.29	-88.39
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.28	-26.84	-93.38
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.03	0.69	0.46
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.25	-26.32	-91.29
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-1.25	-26.28	-91.15
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.25	-26.28	-91.14
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-2.58	-54.19	-190.27
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.57	-54.10	-189.97
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.58	-54.28	-190.59
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.45	-51.50	-180.95
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-1.37	-28.73	-103.62
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-1.37	-28.73	-103.62
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-1.37	-28.73	-103.63
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-1.37	-28.73	-103.62
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-1.37	-28.73	-103.62
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.10	0.24
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.10	0.24
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.15	-0.52
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.26	-0.93
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.18	-0.61

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.14	-3.05	-10.57
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.34	-28.30	-98.18
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.61	-2.10
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.42	-1.46
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.03	-0.55	-1.91
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.21	-0.74
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.45	-1.55
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.13	-0.45
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.29	-6.14	-21.43
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.03	0.04
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.23	-4.92	-17.08
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.23	-4.89	-16.95
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-4.78	-16.59
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	1.78	5.00
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.59	-2.07
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.09	-0.31
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.00	-42.17	-147.33
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-4.09	-85.98	-300.54
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-4.24	-89.30	-310.92
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.02	0.36	0.85
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.27	-1.19
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-2.71	-9.42

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.16	-0.56
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-5.70	-19.79
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.19	-3.93	-13.66
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.31	-1.07
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.73	-2.56
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-1.53	-5.31
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.02
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.12
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.01	0.27	0.79
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-1.52	-5.26
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.01	0.15	0.45
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.44	-9.17	-31.78
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.43	-1.49
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.01
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.41	-2.11
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.34
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.02	-0.40
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	-5.57	-19.79
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-2.51	-8.70
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.06	-1.22	-6.17

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.06	-1.21	-6.15
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.08	-0.28
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-1.31	-4.63
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.04	-0.13
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.54	-1.87
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.22	-0.75
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.05	1.12	3.29
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.05	1.02	2.92
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	0.98	2.79
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.35	-7.41	-25.71
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-2.39	-50.24	-174.25
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.39	-50.26	-174.34
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.15	-3.06	-10.61
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.66	-2.38
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.72	-2.51
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.42
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.11	-0.39
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.77	2.28
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.24	-5.12	-17.77
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	-1.76	-6.09
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-1.19	-4.13
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.41	-1.42

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-1.40	-4.85	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-1.46	-5.05	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.11	-2.26	-7.84	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-33. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acetaldehyde, 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.09
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.09

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.06
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.06
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.03
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.08
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.02	-0.08
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.02
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.09
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.09
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.04
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.06
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.07
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Laurel Area (Yellowstone County), MT	SO₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.09	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.09	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.09	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.09	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.09	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.02	-0.09	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.06
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.06
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.11
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.12
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.11
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.02
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.06
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.09
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.04
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.04
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.02	
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02	
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02	
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04	
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03	
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.03	
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.03	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03	
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.02
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.07
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.01	-0.04
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-34. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acetaldehyde, 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.13
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.11	-0.40
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.11	-0.37

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.07	-0.24
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.07	-0.24
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.06
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.06
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by /	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.02
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.07
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.11
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.10	-0.35
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.10	-0.35
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.07
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.09
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.07
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.09
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.09
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.08
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.08		
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.08		
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04		
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03		
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.11	-0.38		
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.11	-0.37		
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03		
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.18		
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.04	-0.14		
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.05	-0.18		
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.10		
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.08	-0.27		
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.08	-0.27		
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00		
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00		
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.02
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.05
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.05
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.08	-0.29
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.28
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.07
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.07
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.11	-0.40
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.01	-0.11	-0.40
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.11	-0.40
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.11	-0.40
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.11	-0.40
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.11	-0.40
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.08	-0.27
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.04
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.15

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.14
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.08	-0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.13	-0.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.14	-0.49
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.14	-0.48
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.11
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.09
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.12
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.08	-0.27
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.27
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.08	-0.27
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.28
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.28
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.08
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.08
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.11	-0.40
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.09
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.04	-0.16
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.04	-0.16
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.11
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.16
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.12

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.02	-0.08
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.09
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.08
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.08
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.08
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.18
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.18
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.18
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.18
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.12
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.03	-0.12
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.03	-0.12
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.12
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.03	-0.12
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.03	-0.09
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.14
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.28
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.08	-0.29
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission	Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.04	-0.16
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.16
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-35. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2035

	NAAQS		General	Emission	n Changes by A	Alternative (tor	s per year)c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	0.00	-0.01
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00		
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00		
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00		
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	-0.01
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	-0.01
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00

	NAAQS		General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00		
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00		
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00		
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00		
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	0.00		
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	0.00		
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	Changes by A	Alternative (tor	s per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-36. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.01	-0.03
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.02
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.02
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.01	-0.02
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.02
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.02
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01		
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.03		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.03		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03		
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00		
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.02
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.04
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01

	NAAQS	General	Emission	Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	-0.01
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	-0.01
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00		
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00		
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00		

	NAAGS		0	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	0.00	-0.01
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-37. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.12
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.13
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.08	-0.41
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.07	-0.38

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.04	-0.23
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.04	-0.23
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.07
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.08
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.02
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.08
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.11
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.36
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.07	-0.38
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.07
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.10
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.08
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.11
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.11
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.10
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.09
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.09
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.07	-0.39
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.38
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.31
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.05	-0.24
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.06	-0.30
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.10
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.28
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.05	-0.28
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.02
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.06
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.06
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.07	-0.38
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.37
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.08
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.08
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.08	-0.42
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.42
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.08	-0.42
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.08	-0.42
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.08	-0.42
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.08	-0.42
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.05	-0.27
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.05
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.05
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.16

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.16
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.06	-0.30
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.10	-0.52
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.10	-0.54
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.10	-0.53
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.13
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.09
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.15
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.06	-0.30
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.29
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.05	-0.27
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.27
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.27
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.15
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.14
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.07
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.09
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.08	-0.42
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.09
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.16
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.16
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.11
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.15
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.09
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.02	-0.09
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.10
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.08
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.08
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.08
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.19
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.19
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.19
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.18
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.13
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.13
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.13
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.13
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.02	-0.13
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.11
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.14
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.30
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.06	-0.30
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.03	-0.16
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.16
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	ral Emission Changes by Alternative (tons per ye				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-38. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.19
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.12	-0.41
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.17
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.22
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.08
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.10
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.11
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.14	-0.51
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.02	-0.46	-1.61
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.42	-1.47

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.07
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.01	-0.26	-0.92
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.01	-0.27	-0.93
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.07	-0.25
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.08	-0.28
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.05	-0.19
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.14
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.05
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.08
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.08	-0.30
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.13	-0.44
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.40	-1.39
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.02	-0.41	-1.44
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.08	-0.27
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.11	-0.37
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.09	-0.31
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.18
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.11	-0.40
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.06	-0.21
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.12	-0.41
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.10	-0.37
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.11

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.10	-0.34
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.09	-0.33
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.18
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.14
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.42	-1.47
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.42	-1.46
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.11
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.29	-1.02
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.22	-0.78
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.29	-1.02
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.11	-0.39
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.31	-1.08
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.31	-1.09
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02	
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00	
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.08	
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.09	
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02	
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04	
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.07	
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.06	-0.22
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.06	-0.22
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.13
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.18
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.16
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.38	-1.34
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.37	-1.31
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.04	-0.14
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.12
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.14
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.07
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.08
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.09	-0.31
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.09	-0.31
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.07
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.07
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.46	-1.62
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.02	-0.46	-1.62
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.02	-0.46	-1.62
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.02	-0.46	-1.62
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.46	-1.62
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.02	-0.46	-1.62
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.13
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	eneral Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05		
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02		
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01		
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.02		
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.31	-1.07		
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.11		
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.05		
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01		
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.16		
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.06	-0.19		
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03		
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.21		
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.09		
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.05	-0.19		
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.18	-0.62		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.17	-0.60
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.11

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.32	-1.14
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.57	-1.99
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.59	-2.06
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.57	-2.00
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.14	-0.48
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.16
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.11	-0.37
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.15	-0.53
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.32	-1.13
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.32	-1.11
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.30	-1.05
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.31	-1.07
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.31	-1.07
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.14	-0.48
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.12	-0.44
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.07	-0.25
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.08
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.10	-0.33
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.05
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.04
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.04
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.02	-0.46	-1.61
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.34
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.18	-0.62
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.18	-0.62
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.12	-0.42
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.17	-0.61
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.07
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.14	-0.50

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.34
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.10	-0.34
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.10	-0.36
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.09	-0.33
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.09	-0.33
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.33
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.21	-0.73
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.21	-0.73
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.21	-0.73
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.20	-0.70
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.14	-0.48
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.14	-0.48
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.14	-0.48
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.14	-0.48
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.14	-0.48
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.04
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.12	-0.41
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.08
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.07
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.16	-0.55
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.33	-1.16
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.33	-1.16
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.06
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.02
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.07
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.06
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.12
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.07

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.07
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.09
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.01	-0.18	-0.63
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.18	-0.62
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.06
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-39. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—1,3-Butadiene, 2035

NAAOS		General	Emission	Changes by A	Iternative (ton	s per year) ^c
Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.01	-0.04
Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
	(Standard) PM10 (1987 24-hour) PM10 (1987 24-hour) SO ₂ (1971 24-hour/Annual) CO (1971 8-hour) SO ₂ (1971 24-hour/Annual) PM2.5 (2012 Annual) PM10 (1987 24-hour) SO ₂ (2010 1-hour) PM2.5 (2006 24-hour) Ozone (2008 8-hour) SO ₂ (2010 1-hour) PM10 (1987 24-hour) CO (1971 8-hour) CO (1971 8-hour) PM10 (1987 24-hour) SO ₂ (2010 1-hour) PM10 (1987 24-hour) SO ₂ (1971 24-hour) Ozone (2008 8-hour) Ozone (2008 8-hour) Ozone (2008 8-hour)	Pollutant (Standard) PM10 (1987 24-hour) PM10 (1987 24-hour) PM10 (1987 24-hour) PM10 (1987 24-hour) SO ₂ (1971 24-hour/Annual) CO (1971 8-hour) Maintenance, Moderate SO ₂ (1971 24-hour) Maintenance, Moderate <= 12.7ppm Ozone (2015 8-hour) PM2.5 (2012 Annual) PM10 (1987 24-hour) PM2.5 (2010 1-hour) PM2.5 (2006 24-hour) PM2.5 (2006 24-hour) PM2.5 (2006 24-hour) PM2.5 (2010 1-hour) PM2.5 (2006 24-hour) Nonattainment,hour) PM2.6 (2015 8-hour) Nonattainment,hour) PM2.7 (2010 1-hour) Nonattainment,hour) SO ₂ (2010 1-hour) Nonattainment,hour) PM10 (1987 24-hour) Maintenance, Moderate SO ₂ (2010 1-hour) Nonattainment,hour) PM10 (1987 24-hour) PM10 (1987 24-hour) Nonattainment,hour) PM10 (1987 24-hour) Nonattainment,hour) PM10 (1987 24-hour) Maintenance, Moderate SO ₂ (1971 24-hour) Nonattainment,hour) PM10 (1987 24-hour) Maintenance, Moderate SO ₂ (1971 24-hour) Nonattainment,hour/Annual) PM10 (1987 24-hour) Maintenance, Moderate SO ₂ (1971 24-hour) Nonattainment,hour/Annual) PM10 (1987 24-hour) Nonattainment,hour/Annual) Nonattainment,hour/Annual) Nonattainment,hour/Annual) Nonattainment,hour/Annual)	Pollutant (Standard)	NACUS Pollutant (Standard) Status, Severity Classificationa	Pollutant (Standard)	Pollutant (standard)

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.02
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.02
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.01	-0.03
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03	
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02	
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03	
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.03	
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	s per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.04
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.04
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.05
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS	General	Emission	Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01

	NAAQS	General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01	
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02	
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02	
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	-0.01	
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	0.00	-0.01	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	-0.01	
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14			
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00			
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00			
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00			
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00			
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00			
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00			
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00			
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00			
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00			
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00			
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00			
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00			
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00			
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00			
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00			
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00			
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00			
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00			

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	0.00	-0.02
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-40. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—1,3-Butadiene, 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.04	-0.15
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.14

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.03	-0.09
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.03	-0.09
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.02
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.13
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.04	-0.13
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.04	-0.13
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.13
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.07
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.07
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.10
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.10
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.02
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.10
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.10
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03		
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03		
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.04	-0.15		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	-0.04	-0.15		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.04	-0.15		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.04	-0.15		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.04	-0.15		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.04	-0.15		
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00		
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.10	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.02	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.05	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.05	
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00	
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.03	-0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.05	-0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.05	-0.18
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.18
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.10
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.10
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.10
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.10
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.10
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.04	-0.15
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.06
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.06
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.03
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.07
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.07
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.07
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.07
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.04
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.04
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.03
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.11
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.11
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.02	-0.06
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-41. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Diesel Particulate Matter (DPM), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.16
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.06	-0.31
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.02
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.01	0.04
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.02
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.02
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.21	-1.05
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.05	-0.25
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.05	-0.25
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.07
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.06	-0.31
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.15
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.01
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.01
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.61	-3.03
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.01	-0.30	-1.50
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.01
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.12
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.12
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.12
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.17	-0.87
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.03
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.25	-1.26
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.07	-0.38
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.15
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.17
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.08	-0.42
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.07
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.08	-0.42
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.17	-0.87
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.05
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.13
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.13
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.26
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.01
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.08	-0.39
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.63	-3.16
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.63	-3.16
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.14
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.20

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.13
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.23	-1.13
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.23	-1.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.17	-0.87
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.17	-0.87
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.05	-0.25
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.13	-0.66
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.23	-1.13
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.23	-1.13
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.22	-1.09
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.01	-0.22	-1.09
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.22	-1.09
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.22	-1.09
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.22	-1.09
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.22	-1.09
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.08	-0.38
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.31
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.01	0.03
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.12
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.12
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.27

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.05	-0.27
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.04	-0.20
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.18
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.18
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.16
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.20	-0.99
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.17
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.22	-1.08
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.25	-1.24
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.58	-2.88
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.01	0.03
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.03
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.03
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.10
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.10
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.11
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.06	-0.28
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.22	-1.09
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.15
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.31	-1.53
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.31	-1.53
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.31	-1.53
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.10
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.31	-1.53
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.17
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.16

	NAAQS	General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.16	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.03	-0.16	
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.23	-1.13	
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.01	
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.01	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01	
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.31	-1.54	
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.31	-1.54	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.31	-1.54	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.31	-1.54	
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.52	-2.60	
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.52	-2.60	
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.52	-2.60	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.52	-2.60	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.52	-2.60	
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00	
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.11	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.07	-0.34	
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.06	-0.30	
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.12	-0.59	
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.06	-0.28	
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03	
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03	
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.02	-0.11
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.12
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.23	-1.13

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.23	-1.13
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.13
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.03	-0.13
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.13
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	0.00	0.02
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.02
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.14
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-42. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Diesel Particulate Matter (DPM), 2050

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year)c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.11	-0.58
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.11
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.09
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.21	-1.07
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.16
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.01	-0.05
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.02
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.16
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.03
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.03
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.71	-3.62
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.17	-0.87
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.17	-0.87
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.05	-0.26
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.21	-1.08
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.10	-0.51
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.05
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-2.08	-10.58
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.03	-1.04	-5.31
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.18
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.04	-0.19
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.09	-0.46
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.09	-0.47
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.09	-0.46
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.59	-3.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.16
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.05	-0.25
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.25
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.86	-4.36
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.27	-1.37
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.11	-0.58
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.13	-0.64
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.05	-0.24
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.31	-1.56
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.05	-0.24
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.31	-1.56
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.59	-3.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.16
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.09	-0.46
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.09	-0.46
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.18	-0.92
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.04
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.13
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.27	-1.36
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-2.16	-10.99
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.07	-2.15	-10.98
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.09	-0.47
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.14	-0.70

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.15
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.15
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.09	-0.45
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.09
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.76	-3.90
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.76	-3.90

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.59	-3.00
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.59	-3.00
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.17	-0.87
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.45	-2.28
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.16
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.76	-3.89
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.76	-3.89
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.77	-3.93
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.02	-0.77	-3.93
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.02	-0.77	-3.93
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.02	-0.77	-3.93
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.77	-3.93
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.02	-0.77	-3.93
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.26	-1.31
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.21	-1.07
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.08	-0.43
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.08	-0.43
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.19	-0.97

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.19	-0.97
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.15	-0.79
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.16	-0.82
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.16	-0.81
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.16	-0.82
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.12	-0.60
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.67	-3.42
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.12	-0.63
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.74	-3.76
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.86	-4.39
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-1.97	-10.03
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.08	-0.39
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.07	-0.36
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.07	-0.37
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.19	-0.96
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.02	-0.77	-3.93
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.10	-0.52
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-1.04	-5.32
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-1.05	-5.34
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.03	-1.05	-5.34
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.07	-0.37
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-1.05	-5.34
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.12	-0.60
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.12	-0.60

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.12	-0.60
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.12	-0.60
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.76	-3.89
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.03	-1.05	-5.37
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-1.05	-5.37
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-1.05	-5.37
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-1.06	-5.38
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.06	-1.77	-9.02
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.06	-1.77	-9.02
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.06	-1.77	-9.02
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.06	-1.77	-9.02
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.06	-1.77	-9.02
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.22
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.22
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.03
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.07	-0.37
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.23	-1.18
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.21	-1.07
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.42	-2.15
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.21	-1.08
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.11
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.10
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.07	-0.37
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.15
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.15
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.14
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.09	-0.44
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.76	-3.90

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.76	-3.90
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.09	-0.44
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.09	-0.44
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.09	-0.44
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.24
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.09	-0.47
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per yea			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-43. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.01	-0.07
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.04
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.04
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.01	-0.05
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.10
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.10
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.04
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.07
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14		
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00		
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01		
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00		
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00		
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01		
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Laurel Area (Yellowstone County), MT	SO₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.07	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.07	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.07	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.07	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.07	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.07	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.07
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.08
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.03
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.07
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.04
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.04
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.02
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.03
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.01	-0.03
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	0.00	-0.02
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-44. Changes in Emissions from U.S. Heavy-Duty Pickup Trucks and Vans by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.07
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.10
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.10	-0.34
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.09	-0.32

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.05	-0.19
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.05	-0.19
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.07
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.06
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.04
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.06
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.09
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.28
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	0.00	-0.08	-0.28
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.06
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.07
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.06
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.07
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.08
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.07
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.07	
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.06	
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03	
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.12	-0.41	
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.12	-0.41	
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.15	
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.12	
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.04	-0.15	
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.08	
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.06	-0.22	
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.06	-0.22	
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00	
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.04	
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.04	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.08	-0.29	
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.08	-0.28	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.02
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.06
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.06
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.03
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.10	-0.34
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.00	-0.10	-0.34
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.10	-0.34
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.10	-0.34
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.10	-0.34
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.10	-0.34
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14	
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00	
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.06	-0.22	
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.02	
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03	
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04	
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04	
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02	
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03	
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.12	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.11
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.06	-0.22
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.11	-0.39
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.11	-0.40
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.11	-0.39
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.10
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.07
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.10
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.06	-0.22
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.22
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.06	-0.22
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.22
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.22
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.11
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.10
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.02
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.07
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.10	-0.34
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.10
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.04	-0.16
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.04	-0.16
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.09
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.16
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.11

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.08
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.02	-0.08
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.08
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.07
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.07
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.07
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.18
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.18
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.18
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.17
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.04	-0.14
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.04	-0.14
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.04	-0.14
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.04	-0.14
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.04	-0.14
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.07
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.02
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.02
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.11
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.06	-0.23
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.06	-0.23
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.02
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.02
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.04	-0.13
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.13
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	HDPUV4	HDPUV10	HDPUV14
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; NO_2 = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO_2 = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-45. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Particulate Matter (PM2.5), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.78
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.43	0.65	5.17
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-0.35	-1.83
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.14
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.04
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.03	-0.06	0.09
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.01	0.07
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.13	0.21	1.39
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.21	-1.08
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.15	-0.25	-1.26
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.27	2.00	12.92
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.09
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.04
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.03	0.05	0.31
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.31	-0.50	-2.58
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.27	0.42	2.73
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.09	0.14	0.88
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-1.48	-2.41	-12.42
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.14	-1.86	-9.56

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.09
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.15	0.23	1.75
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.71	-1.15	-5.89
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.71	-1.16	-5.92
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	5.21	8.18	53.38
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.05
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.08	-0.41
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	1.43	2.24	14.55
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	1.45	2.28	14.72
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.08	0.22
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-0.15	-0.78
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.30	-1.54
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	1.85	2.90	18.79
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.03
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.37
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.09
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.09
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.79	1.24	8.23
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.08	-0.40
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.01	0.25
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.39	-0.63	-3.26
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.71	-1.15	-5.92
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	13.01	20.37	135.57
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	5.61	8.73	60.31
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.37
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.15
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.35
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.13	0.20	1.52
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.42	-0.68	-3.48
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.31	-0.51	-2.14
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.49	-0.79	-3.97
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-0.37	-1.90
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.16	0.23	2.77
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.29	-0.48	-2.47
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.15	0.21	2.70
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.19	0.27	2.96
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.21	-1.07

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.44	-0.71	-3.61
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.41	-0.66	-3.34
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.14
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	3.92	6.16	39.89
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.01
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.26	0.40	2.61
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.23	-0.37	-1.90
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.18	-0.30	-1.55
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.59	-2.60	-12.57
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.56	-2.55	-12.29
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.21	-1.09
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	7.36	11.58	75.09
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	1.26	1.92	14.60
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.10	0.11	2.37
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.10	1.49
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.13	0.14
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	1.32	2.02	15.64
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.33	0.51	3.42
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.32	2.01	15.62
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.01	-0.01	-0.06
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.14
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	3.93	6.19	40.04
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.25	0.40	2.58
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.65	1.02	6.90
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.79	1.24	8.07
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	1.40	2.19	14.61
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.44
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.03	0.04	0.31
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.02	0.03	0.24
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.08
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.33
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.04	0.24
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.10
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.12	-0.19	-0.91
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.08
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.06
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.18	0.28	1.80
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.37	-0.61	-3.13
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.37	-0.61	-3.14
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	2.15	3.38	22.10
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.07	0.11	0.71
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.07	0.11	0.71
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.44	-2.28
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.42	-2.15
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.02
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.07
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.02	0.14
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.02	0.03	0.17
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	15.60	24.44	162.15
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	15.63	24.49	162.40
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.77	1.22	7.86
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.07
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.07
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.04	1.63	10.58

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.09	-0.48
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.06	-0.09	-0.48
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.38
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.38
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.05	-0.09	-0.46
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.25	0.39	2.54
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.25	0.38	2.53
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.14	-0.23	-1.19
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.02	-0.13
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.02	0.03	0.17
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.14
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.33
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.70	1.10	7.19
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.14
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.06	0.10	0.64
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.13	0.21	1.42
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	6.07	9.54	61.77
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	6.07	9.54	61.77

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.07
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.08
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.20	-0.32	-1.68
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.40	-2.04
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.14
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	3.84	6.03	39.23
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.09	-0.46
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.08
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	3.87	6.09	39.52
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.08
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.05
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.12	-0.19	-0.97
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.19	-0.97
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.44

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.49	-0.79	-3.97
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.49	-0.79	-3.97
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	1.45	2.27	14.71
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.27
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	3.42	5.38	34.87
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.07
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.28
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.25	0.39	2.57
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.11
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	5.90	9.27	60.36
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	5.90	9.27	60.36
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	2.12	3.14	28.76
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	2.12	3.14	28.75
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	2.13	3.14	28.79
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	2.13	3.15	28.81
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	2.13	3.14	28.79
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	2.13	3.14	28.79
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.06	-0.09	-0.46
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.25	-0.40	-2.06
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.20

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	2.07	3.26	21.24
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	1.26	1.98	12.84
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.22
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.12
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.07	-0.35
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-1.16	-1.88	-9.71
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.19	-0.98
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.05	0.08	0.55
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.20
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.35	0.54	4.08
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.27	0.41	3.44
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.05	-0.08	-0.39
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.34	-0.56	-2.90
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.16	-0.26	-1.32
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.31	-0.50	-2.57
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.54	0.81	7.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.57	0.85	7.23
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.17
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.17
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.09	-0.40
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.06
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.06
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.30
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.03	0.23
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.18
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.05	0.33
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.04	-0.18
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.04	-0.18
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.20	-0.33	-1.69

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.08	0.13	0.82
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.08	-0.14	-0.71
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.65	-1.11	-3.49
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-2.04	-3.37	-15.11
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.12	-3.50	-15.81
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.04	-3.37	-15.09
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.04
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.25	0.36	3.31
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.17
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.17
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.25
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.10
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.09
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.04	-0.18
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.09

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.55	8.72	56.93
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.82	1.27	8.83
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	5.55	8.69	58.00
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	5.97	9.31	63.43
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	15.65	24.55	162.04
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.13	-1.83	-9.49
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-1.16	-1.88	-9.75
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.17	-1.90	-9.86
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.05	0.07	0.49
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.08
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.05	-0.09	-0.45
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.06	0.09	0.60
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.38
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.17	0.25	2.65
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.17	0.24	2.52
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.04
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.30	-0.49	-2.48
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.14
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.07	-0.34

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.21	0.32	2.35
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-0.76	-3.91
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	1.36	2.13	13.80
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.09	-0.15	-0.76
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.52
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.05
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.13	-0.22	-1.12
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.13	-0.22	-1.12
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.15	-0.25	-1.28
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	2.15	3.17	28.94
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.91	1.43	9.27
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	0.13	0.83
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	8.23	12.92	84.31
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	8.00	12.56	82.47
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	8.00	12.56	82.47
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.27	0.40	3.43
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	8.02	12.58	82.60
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.10	-0.51
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.64	1.01	6.64
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.22	0.33	3.13

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.41	0.63	4.68
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.41	0.63	4.68
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.42	-0.69	-3.37
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	5.95	9.36	60.84
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.87	-1.41	-7.27
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.87	-1.40	-7.26
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.86	-1.40	-7.25
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	6.85	10.69	72.87
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	6.86	10.69	72.89
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	6.85	10.69	72.85
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	6.97	10.88	73.86
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	13.24	20.77	136.58
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	13.24	20.77	136.58
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	13.24	20.77	136.58
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	13.24	20.77	136.58
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	13.24	20.77	136.58
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.38	0.59	3.84
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.38	0.59	3.84
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.04
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.03	0.05	0.31
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.05

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.07	-0.12	-0.60		
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.71	-1.15	-5.88		
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.15		
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.02	-0.03	-0.13		
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05		
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07		
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03		
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.21	0.32	2.35		
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.01	0.06		
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.14	-0.70		
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.08	-0.13	-0.69		
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.28		
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	2.00	3.14	20.34		
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.11		
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02		
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	1.05	1.63	11.06		
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	1.84	2.85	19.97		
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.54	0.80	6.79		
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.18	0.29	1.90		
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.14	0.23	1.51		
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.14	-0.74		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)°
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.06
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.20	-1.04
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.14	-0.61
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.13
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.22
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.35	0.55	3.59
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.18
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.26	0.40	2.61
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.19	-0.31	-1.60
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.11
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.26	0.40	2.62
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.24	0.37	2.41
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.32	0.49	3.50
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.13	-0.66
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	5.90	9.28	60.44

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	5.90	9.28	60.44
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.04	-0.18
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.11
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.01	-0.06
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.72	1.13	7.33
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.72	1.14	7.37
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.73	1.14	7.39
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.17	-0.28	-1.46
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-1.35	-2.19	-11.34
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.35	-2.20	-11.37
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.06	-0.10	-0.52
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.37	0.57	3.75
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.14
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.77	1.22	7.88
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.20	-1.06
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.09	-0.44
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.20
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.07

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.36	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.05	-0.24	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.38	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-46. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Particulate Matter (PM2.5), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.24	-1.74
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.43	-0.54	1.83
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.55	-4.00
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.32
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.20
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.16	-0.44	-1.92
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.04
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	0.04	1.32
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.34	-2.46
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.09	-0.39	-2.84
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.28	0.80	14.38
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.19
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.06	-0.26
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	0.02	0.32
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.16	-0.76	-5.60
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	0.16	2.99
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.02	0.05	0.98
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.79	-3.69	-27.15
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.61	-2.85	-20.94

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.19
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-0.14	0.78
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.40	-1.81	-13.14
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.40	-1.82	-13.21
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.32	2.87	57.47
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.11
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.14	-0.96
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.33	0.85	15.99
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.32	0.91	16.38
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.25	-0.65	-2.78
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.24	-1.73
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.46	-3.36
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.41	1.16	20.92
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.03
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.11	-0.81
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.20
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.20
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	0.35	8.42
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.12	-0.89
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.06
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.13	-0.37
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.20	-0.95	-7.06
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.37	-1.75	-12.90
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-4.22	4.87	134.93
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-2.60	0.17	50.93
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.11	-0.81
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.34
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.11	-0.78
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.11	0.75
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.22	-1.05	-7.65
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.34	-1.21	-7.29
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.31	-1.34	-9.42
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.56	-4.11
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.49	-1.02	-2.33
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.15	-0.73	-5.36
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.51	-1.07	-2.64
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.48	-0.96	-1.91
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.35	-2.51

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.26	-1.15	-8.24
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.24	-1.07	-7.64
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.32
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.88	2.42	44.21
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.01
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	0.16	2.91
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.12	-0.56	-4.12
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.45	-3.36
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.15	-4.70	-31.87
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.13	-4.62	-31.25
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.32	-2.36
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.70	4.46	82.76
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.04	-1.09	7.19
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.60	-1.38	-4.32
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.75	-1.89	-7.39
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.32	-0.87	-3.86
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.20	-1.41	6.60
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.11	0.11	3.34
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.20	-1.42	6.54
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.02	-0.13
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.05
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.11
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.87	2.46	44.53
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.06	0.15	2.84
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.26	0.12	6.30
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	0.48	8.88
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.46	0.50	14.44
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.13	-0.99
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.01	0.18
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.04	-0.02
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.20
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.11	-0.78
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.01	0.23
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.23
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.37	-2.45
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.18
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.15
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	0.11	2.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.19	-0.92	-6.78
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.19	-0.92	-6.79
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.56	1.15	23.61
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	0.04	0.76
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	0.04	0.76
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.67	-4.94
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.64	-4.69
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.01	-0.05
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.08
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.07
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.00	0.12
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.01	0.18
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-4.88	6.28	163.50
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-4.85	6.40	164.24
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.17	0.49	8.75
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.15
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.16
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.23	0.65	11.75

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.14	-1.04
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.14	-1.04
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.11	-0.85
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.11	-0.85
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.03	-0.13	-0.99
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	0.14	2.73
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	0.12	2.64
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.08	-0.36	-2.61
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.04	-0.26
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.01	0.19
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.31
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.10	-0.74
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.18	0.38	7.69
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.30
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	0.02	0.62
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	0.03	1.33
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.15
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.36	3.78	68.60
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-1.36	3.78	68.60

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.09
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.20
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.20
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.23
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.10	-0.49	-3.64
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.60	-4.44
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.30
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.93	2.21	42.71
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.14	-1.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.17
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.91	2.31	43.37
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.18
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.11
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.06	-0.30	-2.16
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.30	-2.16
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.13	-0.99

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.31	-1.34	-9.43
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.31	-1.34	-9.42
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.13
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.32	0.91	16.37
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.08	-0.57
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.79	2.08	38.47
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.04
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.08	-0.61
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	0.12	2.67
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.24
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.45	3.37	65.58
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-1.45	3.37	65.59
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.46	-6.06	-3.77
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-3.46	-6.06	-3.78
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-3.46	-6.06	-3.73
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-3.46	-6.05	-3.69
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.46	-6.06	-3.74
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-3.46	-6.06	-3.74
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.14	-1.03
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.13	-0.60	-4.45
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.43

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.51	1.17	22.98
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.29	0.77	14.17
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.48
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.04	-0.27
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.10	-0.75
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.60	-2.85	-21.12
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.29	-2.15
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.03	0.58
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.45
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.29	-0.31	1.99
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.33	-0.50	0.56
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.08
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.08
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.08
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.11	-0.84
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.18	-0.85	-6.27
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.39	-2.86
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.16	-0.75	-5.56
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.74	-1.19	0.40

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.73	-1.13	0.88
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.39
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.41
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.17	-1.09
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.28
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.10
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.14
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.03
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.03
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.08
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.14
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.09	-0.67
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.01	0.25
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.41
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.02	0.36
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.05	-0.39
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.05	-0.39
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.10
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-0.49	-3.65

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	0.05	0.91
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.04	-0.21	-1.53
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.16	-3.63	-19.41
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.91	-7.11	-44.90
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.94	-7.29	-46.32
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.91	-7.11	-44.89
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.11
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.39	-0.69	-0.42
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.37
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.37
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.15
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.07	-0.54
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.03	-0.23
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.03	-0.20
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.06	-0.43
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.22

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.41	3.04	61.19
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.40	-0.03	7.23
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.85	1.96	57.18
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-2.46	0.94	57.06
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-4.60	7.04	166.84
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.59	-2.79	-20.62
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.60	-2.86	-21.16
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.61	-2.89	-21.41
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	0.03	0.53
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.17
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.14	-1.02
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	0.02	0.59
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.14	-0.96
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.41	-0.80	-1.45
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.37	-0.72	-1.20
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.09
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.79	-5.67
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.33
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.10	-0.76

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.15	-0.14	1.31
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.24	-1.14	-8.45
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.30	0.85	15.36
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.05	-0.23	-1.66
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.16	-1.17
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.12
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-0.33	-2.41
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-0.33	-2.41
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.08	-0.37	-2.77
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-3.45	-6.01	-3.40
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.21	0.55	10.22
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	0.05	0.92
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.07	4.55	90.85
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-2.21	3.95	86.61
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-2.21	3.95	86.61
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.35	-0.56	0.30
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.20	3.99	86.86
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.15	-1.13
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.19	0.29	6.85
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.41	-0.76	-0.93

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.31	-0.28	2.62
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.31	-0.28	2.61
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.28	-1.19	-8.24
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.41	3.52	66.72
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.45	-2.14	-15.77
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.45	-2.13	-15.75
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.45	-2.13	-15.74
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-2.82	1.08	65.52
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.82	1.08	65.56
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.83	1.07	65.47
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.78	1.33	67.46
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-3.70	6.43	142.87
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-3.70	6.43	142.87
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-3.70	6.43	142.87
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.70	6.43	142.87
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-3.70	6.43	142.87
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.09	0.23	4.25
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.09	0.23	4.25
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.08
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	0.01	0.32
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.11

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.04	-0.18	-1.30
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.41	-1.84	-13.31
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.32
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.04	-0.29
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.10
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.15
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.15	-0.14	1.31
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.05
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.21	-1.56
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.05	-0.21	-1.55
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.08	-0.62
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.45	1.24	22.57
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.03	-0.25
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.40	0.23	10.24
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.95	-0.18	15.80
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.68	-1.05	0.88
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	0.09	2.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	0.05	1.47
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.23	-1.68

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.13
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.30	-2.25
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.30	-1.87
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.09
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.30
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.50
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.08	0.22	3.99
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.38
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.06	0.16	2.91
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-0.48	-3.55
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.24
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	0.13	2.78
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.06	0.14	2.63
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.18	-0.07	2.59
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.20	-1.44
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-1.45	3.35	65.53

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-1.45	3.35	65.54
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.08	-0.50
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.25
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.02	-0.13
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.16	0.45	8.15
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.16	0.45	8.19
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.16	0.45	8.21
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.43	-3.15
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.70	-3.33	-24.56
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.70	-3.33	-24.61
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.03	-0.16	-1.18
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	0.20	4.05
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.31
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.17	0.49	8.77
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.31	-2.28
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.13	-0.99
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.47
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.16

	NAAQS		Emission Changes by Alternative (tons p				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.11	-0.78
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.07	-0.54
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.11	-0.84

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-47. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Sulfur Oxides (SO₂), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	s per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.12	-0.69
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	5.34	8.47	53.46
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.17	-0.28	-1.59
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.12
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.16	0.25	1.57
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	1.82	2.88	18.25
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.17	0.27	1.67
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.67	2.66	16.67
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.16	-0.91
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.12	-0.19	-1.06
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	56.13	89.26	559.15
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.07
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.03	0.05	0.32
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.05	0.07	0.45
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.24	-0.39	-2.20
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.51	0.81	5.10
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.38	0.60	3.78
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-1.17	-1.93	-10.79
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.90	-1.49	-8.35

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.07
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.89	1.40	8.89
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	0.11	0.67
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	1.98	3.11	20.10
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	1.96	3.09	19.99
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	27.96	44.45	278.62
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	0.08	0.52
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.40
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	32.06	50.99	319.43
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	32.08	51.01	319.57
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.97	3.12	19.83
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.12	-0.69
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.22	-1.20
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	7.05	11.22	70.26
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.40	0.64	4.02
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.06	-0.33
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.08
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.08
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.05

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	5.04	8.00	50.21
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.04	-0.06	-0.34
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.05	-0.26
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.30	-0.50	-2.78
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.55	-0.91	-5.08
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	73.29	116.47	731.16
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	35.97	57.12	359.38
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.06	-0.33
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.13
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.31
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	9.51	15.12	94.80
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.33	-0.54	-3.03
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	9.18	14.57	91.72
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.41	-0.68	-3.79
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.11	0.16	1.19
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	4.24	6.72	42.61
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.09	0.12	1.03
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	4.42	7.00	44.41
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	4.25	6.74	42.70
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.19	-1.05

	NAAQS		General	General Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.04	0.14		
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.09	-0.17	-0.69		
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09		
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	14.91	23.71	148.57		
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.06	0.40		
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.96	1.53	9.60		
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.11	0.16	1.18		
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.02		
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.64	-1.11	-5.24		
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.61	-1.07	-5.00		
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.17	-0.93		
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	28.48	45.28	283.76		
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	15.92	25.27	159.17		
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	5.08	8.04	51.05		
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	5.16	8.16	52.00		
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	7.11	11.28	71.06		
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	43.46	69.05	433.60		
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	7.40	11.76	73.72		
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	43.45	69.05	433.58		
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00		
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.01	-0.01	-0.05		
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.80	1.28	8.01
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	14.92	23.73	148.67
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.96	1.53	9.57
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	2.95	4.69	29.50
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.05	4.84	30.36
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	5.95	9.45	59.38
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.37
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.05	0.30
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.32	0.51	3.18
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.31	0.50	3.13
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.11
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.37	0.59	3.71
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.15	-0.82
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.07		
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.05		
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.59	0.94	5.86		
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.29	-0.47	-2.64		
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.29	-0.47	-2.65		
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	16.58	26.36	165.20		
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.90	1.43	8.98		
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.90	1.43	8.98		
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.20	-0.33	-1.82		
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.32	-1.82		
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.02		
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03		
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02		
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.06	0.39		
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.07	0.11	0.67		
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.07	0.11	0.69		
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	223.31	355.03	2,225.76		
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	223.24	354.92	2,225.01		
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	29.37	46.70	292.57		
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.06		
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.06		
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	7.18	11.42	71.57		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.41
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.41
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.32
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.32
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.39
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.96	1.52	9.54
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.85	1.35	8.48
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.11	-0.19	-1.04
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.02	-0.11
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.01	0.02	0.10
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.13
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.28
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	11.86	18.85	118.13
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.11
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.40	0.64	4.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.90	1.42	8.92
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.51	0.81	5.09
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	68.47	108.88	682.13
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	68.47	108.88	682.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.02
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.02
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.02
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.15	-0.26	-1.43
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.24	-1.28
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.12
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	14.86	23.63	148.11
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.07	0.11	0.76
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.06
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	14.89	23.67	148.33
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.07
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.09	-0.15	-0.81
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.81
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.37

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.41	-0.68	-3.79
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.41	-0.68	-3.79
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	32.08	51.01	319.57
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.23
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	22.37	35.57	222.86
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.17	0.27	1.67
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.20
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.45	0.71	4.46
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.02	0.12
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	68.34	108.67	680.94
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	68.34	108.67	680.94
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	65.64	104.19	656.14
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	65.64	104.19	656.14
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	65.66	104.23	656.36
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	65.66	104.23	656.38
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	65.66	104.23	656.36
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	65.66	104.23	656.36
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.41
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.19	-0.31	-1.76
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.17

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	30.29	48.16	301.79
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	56.12	89.24	559.06
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.18
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.10
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.05	-0.29
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.90	-1.48	-8.27
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.15	-0.86
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	1.50	2.38	14.92
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.17
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.89	2.99	18.99
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	1.83	2.89	18.43
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.06	-0.33
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.27	-0.44	-2.47
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.20	-1.13
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.39	-2.19
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	27.40	43.53	273.42

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	27.42	43.57	273.60
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.14
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.15
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.34
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.01	0.02	0.14
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.05
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.05
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.23
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.25	0.40	2.50
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.16
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.35	0.55	3.45
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.16
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.16
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-0.26	-1.44

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.96	1.52	9.55
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.60
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	1.09	1.65	11.84
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.04	-0.08	2.19
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.22	1.37
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.03	-0.09	2.11
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	24.27	38.58	242.06
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.15
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.15
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.04	-0.21
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.09
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.07
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.01
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.06	0.43
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.08

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	10.03	15.93	100.03
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.42	2.25	14.33
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	26.27	41.74	262.17
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	27.38	43.47	273.61
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	90.71	144.18	904.50
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.88	-1.44	-8.09
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.90	-1.48	-8.30
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.91	-1.50	-8.39
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.20	0.32	1.97
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.04	-0.07	-0.36
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.05	0.08	0.49
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.12	0.20	1.28
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	3.89	6.16	39.03
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	3.74	5.92	37.50
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.24	-1.21
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.12
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.05	-0.29

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	19.27	30.64	192.06
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.36	-0.60	-3.34
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	28.01	44.55	279.08
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.04	-0.06	-0.32
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.44
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.10	-0.17	-0.95
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.10	-0.17	-0.95
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.12	-0.20	-1.10
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	65.67	104.25	656.49
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	5.97	9.49	59.48
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.11	0.18	1.12
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	102.39	162.81	1,020.25
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	102.20	162.50	1,018.46
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	102.20	162.50	1,018.46
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.54	5.61	35.48
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	102.21	162.52	1,018.58
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.08	-0.44
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	24.58	39.08	244.86
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	24.25	38.55	241.90

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	24.39	38.78	243.19
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	24.39	38.78	243.19
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	4.14	6.56	41.54
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	68.38	108.73	681.29
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.67	-1.11	-6.19
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.67	-1.10	-6.18
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.67	-1.10	-6.18
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	101.31	161.02	1,010.21
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	101.31	161.02	1,010.22
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	101.30	161.02	1,010.18
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	101.38	161.15	1,010.92
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	173.27	275.49	1,726.71
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	173.27	275.49	1,726.71
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	173.27	275.49	1,726.71
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	173.27	275.49	1,726.71
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	173.27	275.49	1,726.71
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	7.81	12.42	77.84
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	7.81	12.42	77.84
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	1.84	2.92	18.30
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.06	-0.09	-0.51
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.39	-0.65	-3.45
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.12
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.02	-0.11
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	19.27	30.64	192.06
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.03	0.05	0.31
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.53
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.10	-0.53
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.24
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	23.97	38.11	238.78
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.09
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	55.95	88.97	557.52
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	112.23	178.44	1,118.48
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	55.83	88.74	556.59
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	3.05	4.85	30.37
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	3.25	5.17	32.38
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.56

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.05
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.15	-0.85
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.10	0.15	1.04
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.05
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.19
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.09
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	19.38	30.83	193.11
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.15
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.96	1.53	9.60
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.24	-1.36
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.10
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	1.14	1.81	11.36
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	13.92	22.13	138.63
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	19.32	30.71	192.54
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.09	-0.52
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	68.62	109.11	683.72

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	68.62	109.11	683.72
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.01	0.04
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.02	0.15
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.10
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.01	-0.05
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	11.57	18.40	115.29
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	11.57	18.40	115.28
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	11.57	18.40	115.27
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.22	-1.24
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-1.05	-1.73	-9.69
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.05	-1.73	-9.70
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.05	-0.08	-0.45
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	7.42	11.81	73.98
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.12
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	27.37	43.52	272.66
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.16	-0.90
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.38
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.17
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.06

	NAAQS		General	Emission Changes by Alternative (tons per year			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.30
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.20
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.32

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-48. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Sulfur Oxides (SO₂), 2050

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.11	-0.97		
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.78	3.61	55.26		
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01		
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.25	-2.23		
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	0.00	0.08		
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	0.10	1.62		
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.28	1.19	18.68		
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	0.12	1.75		
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.22	1.20	17.51		
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.15	-1.31		
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.17	-1.52		
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-7.28	40.60	589.46		
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.10		
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	0.00	0.25		
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	0.03	0.47		
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.34	-3.08		
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	0.37	5.36		
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.05	0.27	3.98		
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.16	-1.69	-15.09		
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.12	-1.31	-11.68		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.10
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	0.57	9.03
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	0.05	0.70
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.41	1.01	19.35
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.41	1.00	19.22
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-3.67	20.10	293.18
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.04	0.54
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.06
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.56
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.16	23.18	336.68
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-4.16	23.20	336.90
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.33	1.23	20.06
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.11	-0.97
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.20	-1.72
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.91	5.10	74.07
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	0.29	4.24
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.46
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.11
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.11
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.07

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.67	3.60	52.72
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.05	-0.49
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.06	-0.46
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.43	-3.89
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.07	-0.80	-7.13
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-9.87	52.00	766.32
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-5.04	24.99	374.33
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.05	-0.46
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.19
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.44
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.25	6.82	99.68
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.05	-0.48	-4.25
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.30	6.33	95.32
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.06	-0.61	-5.42
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.05	0.69
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.68	2.73	43.41
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.07	-0.10	0.36
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.70	2.84	45.24
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.67	2.75	43.57
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.17	-1.48

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.10	-0.28	-1.03
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.08	-0.32	-1.83
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.14
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.94	10.77	156.56
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	0.03	0.42
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.13	0.70	10.12
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.05	0.69
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.11	-0.48
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.33	-1.59	-10.52
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.33	-1.56	-10.18
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.15	-1.30
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-3.71	20.55	298.91
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.27	10.94	165.27
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.82	3.24	51.86
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.88	3.16	52.32
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.01	4.89	73.78
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-5.89	30.75	454.09
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.97	5.32	77.59
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.89	30.75	454.06
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.07
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.03
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	0.56	8.36
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.94	10.79	156.71
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.13	0.69	10.09
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.41	2.05	30.71
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.40	2.20	31.97
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.81	4.19	62.09
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.55
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.02	0.32
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	0.22	3.29
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.05	0.21	3.18
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.23
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	0.27	3.90
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.13
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.16	-1.28
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.10
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.08
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	0.43	6.18
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.04	-0.42	-3.71
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.04	-0.42	-3.71
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.17	11.93	173.88
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.12	0.65	9.46
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.12	0.65	9.46
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.29	-2.59
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.29	-2.56
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.02
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.04
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.03	0.41
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.05	0.69
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.05	0.72
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-29.35	160.46	2,341.68
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-29.33	160.44	2,341.01
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.81	21.24	308.43
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.08
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.09
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.93	5.20	75.45

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.57
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.57
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.47
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.47
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.06	-0.55
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.13	0.69	10.04
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.11	0.60	8.89
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.16	-1.46
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.15
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.01	0.12
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.18
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.41
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-1.54	8.56	124.45
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.16
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	0.29	4.23
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	0.64	9.38
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	0.35	5.30
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-8.88	49.52	719.08
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-8.88	49.52	719.08

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.22	-2.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.24	-1.96
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.17
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.95	10.69	155.87
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	0.02	0.67
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.09
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.94	10.73	156.19
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.04
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.10
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.13	-1.15
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.13	-1.15
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.55

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.61	-5.43
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.61	-5.42
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-4.16	23.20	336.89
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.04	-0.32
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.91	16.16	234.85
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	0.12	1.75
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.30
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	0.31	4.65
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.09
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-8.90	49.33	717.44
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-8.90	49.33	717.44
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-9.34	45.22	681.63
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-9.34	45.22	681.63
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-9.34	45.23	681.87
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-9.34	45.24	681.89
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-9.34	45.23	681.86
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-9.34	45.23	681.86
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.06	-0.58
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.27	-2.45
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.24

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.94	21.87	317.96
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-7.28	40.59	589.33
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.26
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.15
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.05	-0.41
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.12	-1.30	-11.63
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.13	-1.20
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.19	1.08	15.72
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.25
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.30	1.21	19.30
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.31	1.12	18.51
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.04
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.04
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.05	-0.46
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.39	-3.46
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.18	-1.58
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.34	-3.07
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.72	19.35	286.16

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.72	19.38	286.44
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.22
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.22
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.54
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	0.00	0.13
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.08
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.08
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.04	-0.34
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	0.18	2.63
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.22
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	0.25	3.64
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.22
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.22
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.22	-2.02

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	0.69	10.07
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.09	-0.84
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.50	-0.19	8.14
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.66	-1.75	-5.54
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.66	-1.85	-6.58
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.66	-1.75	-5.63
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.24	17.30	254.01
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.21
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.21
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.30
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.12
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.10
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.01
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	0.02	0.40
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.12

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.35	7.11	104.84
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	0.86	14.39
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.58	18.53	274.32
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-3.87	18.95	284.65
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-12.07	64.76	949.75
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.12	-1.27	-11.37
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.12	-1.30	-11.66
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.12	-1.32	-11.79
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	0.14	2.08
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.09
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.06	-0.53
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	0.03	0.50
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	0.06	1.20
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.61	2.53	39.91
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.58	2.45	38.41
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.05
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.28	-2.09
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.18
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.05	-0.42

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-2.53	13.86	202.10
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.52	-4.66
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.63	20.26	294.21
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.08	-0.56
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.64
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.06
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.15	-1.33
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.15	-1.33
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.02	-0.17	-1.53
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-9.34	45.25	682.05
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.78	4.31	62.68
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.08	1.18
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-13.34	73.88	1,074.72
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-13.37	73.60	1,072.23
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-13.37	73.60	1,072.23
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.54	2.34	36.41
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-13.37	73.61	1,072.37
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.63
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.20	17.74	257.98
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.24	17.27	253.73

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.22	17.48	255.65
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-3.22	17.48	255.65
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.64	2.71	42.54
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-8.89	49.40	718.01
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.09	-0.97	-8.67
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.09	-0.97	-8.66
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.97	-8.66
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-13.50	72.29	1,060.61
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-13.50	72.30	1,060.63
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-13.50	72.29	1,060.58
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.49	72.40	1,061.57
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-22.67	124.75	1,817.74
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-22.67	124.75	1,817.74
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-22.67	124.75	1,817.74
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-22.67	124.75	1,817.74
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-22.67	124.75	1,817.74
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.01	5.65	82.06
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-1.01	5.65	82.06
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.04
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.24	1.33	19.28
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.08	-0.72
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.11	-0.71	-5.55
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.18
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.16
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.53	13.86	202.10
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.02	0.32
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.09	-0.79
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.09	-0.78
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.34
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.11	17.33	251.72
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.13
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.30	40.34	587.17
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-14.70	80.78	1,177.32
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-7.39	39.96	584.89
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.40	2.20	31.98
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.43	2.34	34.08
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.10	-0.83

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.07
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.14	-1.20
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.01	0.75
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.10
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.28
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.01	0.09
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-2.51	14.02	203.58
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.21
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.13	0.70	10.13
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.22	-1.96
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.14
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.15	0.82	11.93
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-1.81	10.06	146.12
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.53	13.89	202.61
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.09	-0.75
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-8.94	49.53	720.29

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-8.94	49.53	720.30	
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.03	
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	0.07	
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.14	
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.07	
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.50	8.37	121.54	
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.50	8.37	121.52	
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.50	8.37	121.51	
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.19	-1.74	
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.14	-1.51	-13.56	
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.14	-1.52	-13.57	
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.07	-0.65	
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.97	5.36	77.95	
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.17	
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.04	
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.03	
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.55	19.80	287.44	
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.14	-1.26	
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.55	
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.26	
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.43	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.30	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.05	-0.46	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-49. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Nitrogen Oxides (NO_x), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.47	-0.73	-3.75
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	13.58	21.16	144.95
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.20	-1.88	-9.96
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.11	0.17	1.31
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.30	0.47	3.33
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	4.65	7.24	50.44
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.38	0.60	4.02
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	5.06	7.89	52.50
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.66	-1.03	-5.25
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.80	-1.26	-6.51
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	13.76	21.48	142.08
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-0.11	-0.63
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.14	0.21	1.79
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.07	0.10	0.70
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.12	-3.33	-18.63
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	19.62	30.62	202.62
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	3.19	4.98	32.93
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.11
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-8.45	-13.29	-71.08
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-6.12	-9.63	-50.67

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.11	-0.63
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-0.39	-1.16
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.07
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-4.30	-6.76	-36.42
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-4.33	-6.81	-36.69
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	31.76	49.55	330.26
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.08	0.12	0.82
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.07	-0.37
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.06	0.10	1.26
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	7.25	11.31	75.09
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	7.39	11.54	76.33
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.29	1.99	17.01
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.46	-0.73	-3.75
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.04
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.24	-1.95	-10.85
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	7.65	11.93	78.94
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.14	0.22	1.47
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.01	0.01	0.10
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.15
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.20	0.30	2.52
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.07	-0.12	-0.65
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-0.12	-0.65
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.08	-0.44

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	2.45	3.82	26.18
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.33	-0.52	-2.91
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.06
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	6.51	10.16	68.03
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.68	-4.22	-23.56
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-4.83	-7.59	-42.34
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	35.64	55.49	387.27
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	12.45	19.30	148.16
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.20	0.30	2.52
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.17	-0.95
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.21	0.33	2.64
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.32	0.48	4.38
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-2.45	-3.85	-20.72
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-2.24	-3.53	-17.17
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-3.78	-5.93	-33.07
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.53	-2.40	-13.37
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.43	-2.28	-8.23
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.97	-3.09	-17.15
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.62	-1.01	0.48
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.28	-2.05	-6.96
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.53	-0.84	-3.93

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-2.65	-4.17	-22.27
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-2.46	-3.87	-20.66
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.11	-0.17	-0.91
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	11.00	17.17	113.85
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.04	0.07	0.46
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.59	0.92	6.12
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.53	-2.41	-13.39
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.26	-1.97	-10.98
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	1.73	2.56	39.48
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	1.96	2.92	41.53
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.90	-1.41	-7.87
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	24.82	38.73	257.26
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	15.77	24.53	173.71
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	13.05	20.30	143.03
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	12.94	20.12	144.49
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.39	-0.64	0.83
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	8.24	12.77	98.16
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	2.09	3.26	22.19
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	8.22	12.75	98.03
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.05	-0.08	-0.43
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)°
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.16
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.57	0.89	6.13
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	11.11	17.34	114.80
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.56	0.87	5.83
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	2.03	3.16	22.66
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.80	4.37	29.03
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	4.32	6.72	46.77
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.36	-0.56	-3.15
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.03	0.04	0.26
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.76	1.19	7.96
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.71	1.10	7.47
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.56
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.31	-1.57
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.15
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.52	2.37	15.74
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.12	-0.66
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.02	-1.61	-8.90
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.19
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.11	-0.60
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.46
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	1.00	1.56	10.32
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-2.51	-3.94	-21.93
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-2.51	-3.95	-21.96
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	19.70	30.73	204.57
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.68	1.06	7.06
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.68	1.06	7.06
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.45	-2.28	-12.06
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.64	-2.58	-14.18
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.02	-0.03	-0.15
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.25
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.15
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.51	0.80	5.29
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.01	0.02	0.15
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.03	0.05	0.33
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	67.30	104.88	715.36
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	66.98	104.39	711.50
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	6.31	9.85	65.16
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.06	-0.09	-0.50
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.09	-0.47
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	8.01	12.50	82.71

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.40	-0.62	-3.48
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.40	-0.62	-3.47
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.49	-2.72
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.31	-0.49	-2.72
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.37	-0.59	-3.29
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.53	0.82	5.54
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	9.62	15.01	99.51
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.82	-1.29	-6.92
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.09	-0.14	-0.79
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.01	0.02	0.17
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.07	-0.11	-0.52
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	-0.42	-2.36
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	6.68	10.43	69.38
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.09	-0.15	-0.80
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.14	0.21	1.43
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.63	0.98	6.58
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	6.05	9.44	62.76
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.46
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.10
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	25.62	39.98	264.73
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	25.62	39.98	264.73

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.29
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.18
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.24
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.24
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.27
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.74	-1.16	-5.47
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.87	-1.37	-6.33
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.17	-0.98
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	10.53	16.43	109.91
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.36	-0.56	-3.08
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.10	-0.57
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	10.74	16.76	111.68
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.22
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.59
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.06	-0.36
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.47	-0.75	-3.59
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.47	-0.75	-3.59
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.36	-0.56	-3.15

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.78	-5.94	-33.13
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.78	-5.93	-33.07
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.22
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	7.39	11.53	76.30
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.22	-0.34	-1.91
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	12.39	19.34	128.36
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.38	0.60	4.02
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.23	-0.36	-2.02
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	11.90	18.58	123.11
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.14	-0.78
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	24.84	38.75	258.55
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	24.84	38.75	258.56
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.77	0.92	50.89
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	0.77	0.91	50.88
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.80	0.97	51.24
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.82	0.99	51.36
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.80	0.96	51.21
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.80	0.96	51.21
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.24	-0.38	-1.88
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.68	-2.65	-14.77
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-0.25	-1.36

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	12.32	19.22	128.00
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	13.81	21.55	142.68
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.18	-0.28	-1.56
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.10	-0.16	-0.87
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.28	-0.45	-2.49
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-7.96	-12.51	-69.90
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.67	-1.05	-5.61
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.27
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.28
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	2.38	3.71	24.61
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-0.26	-1.43
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.48	-0.77	-1.88
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.75	-1.19	-3.78
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.24
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.21
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.04	-0.22
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.26	-0.41	-2.22
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.38	-3.74	-20.91
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.09	-1.71	-9.55
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.11	-3.32	-18.57
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.87	9.10	69.56

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	6.07	9.41	71.34
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.12
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.12
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-0.74	-4.11
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.02	0.03	0.37
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.08
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.22
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.08	-0.44
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.09
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.09
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.29
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.26
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.08	-0.45
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.19	-0.30	-1.55
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.36	0.57	3.77
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.24	-1.33
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.12
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	2.00	3.12	20.65
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.15	-0.24	-1.32
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.15	-0.24	-1.32
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.33
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.39	-2.18	-12.19

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.81	1.27	8.41
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.58	-0.91	-5.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.89	-7.76	-31.70
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-14.07	-22.18	-111.27
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-14.79	-23.31	-117.93
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-14.03	-22.12	-110.84
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.32
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	2.95	4.58	35.36
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.22	-1.24
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.22	-1.24
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.18
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.15	-0.65
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.09	-0.13	-0.75
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.07	-0.10	-0.57
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.01	0.01	0.08
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.20	-1.07
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.09	-0.47

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	14.18	22.11	149.05
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.93	1.43	12.73
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	17.58	27.37	190.44
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	15.72	24.42	178.65
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	58.49	91.17	620.24
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-7.80	-12.25	-68.49
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-7.99	-12.55	-70.13
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-8.07	-12.67	-70.79
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.39	0.62	4.09
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.07	-0.10	-0.57
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.32	-0.50	-2.71
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	3.91	6.10	40.46
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.05	0.07	1.14
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	18.25	28.45	193.75
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	16.82	26.21	178.45
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.03
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.06	-0.32
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.94	-3.05	-16.52
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.06
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.12	-0.18	-1.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.28	-0.44	-2.48

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.87	1.35	10.58
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.14
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.19	-5.01	-27.94
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	10.65	16.61	109.91
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.27	-0.43	-1.80
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	-0.67	-3.75
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.04	-0.06	-0.36
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.91	-1.44	-8.02
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.91	-1.44	-8.02
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-1.05	-1.65	-9.22
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.93	1.17	52.33
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.10
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	8.05	12.57	83.25
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.26	6.66	44.03
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	25.47	39.73	266.62
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	23.96	37.35	253.70
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	23.96	37.36	253.70
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.23	8.14	58.22
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	24.07	37.53	254.65
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.42	-0.66	-3.70
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	5.68	8.85	59.26
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	2.80	4.33	34.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	4.08	6.34	45.23
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	4.08	6.34	45.22
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.73	-1.18	-2.15
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	25.25	39.39	262.11
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-5.76	-9.05	-50.20
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-5.75	-9.04	-50.12
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.75	-9.03	-50.07
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	15.57	24.17	179.59
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	15.58	24.20	179.72
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	15.55	24.14	179.41
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	16.27	25.27	185.69
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	39.34	61.32	417.18
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	39.34	61.32	417.18
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	39.34	61.32	417.18
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	39.34	61.32	417.18
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	39.34	61.32	417.18
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	1.33	2.07	13.77
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	1.33	2.07	13.77
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.26
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.30	0.47	3.17
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.33

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.49	-0.77	-4.27
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.83	-7.60	-41.83
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.92
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.05	0.08	0.59
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.10	-0.15	-0.84
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.35
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.49
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.19
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.87	1.35	10.58
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.50	0.78	5.16
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.56	-0.88	-4.85
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.55	-0.87	-4.80
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-0.36	-2.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	14.89	23.24	153.83
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.02	0.03	0.39
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.13
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	12.36	19.27	130.07
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	24.72	38.52	262.94
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	10.07	15.67	112.08
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	4.48	6.98	46.34
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	2.19	3.42	22.91
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.60	-0.94	-5.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)°
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.06	-0.31
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.14	0.21	1.39
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.78	-1.22	-6.70
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.51	-0.80	-3.86
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.22
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.18	-0.29	-1.62
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.04	0.06	0.39
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.06
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	1.89	2.95	19.49
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.23	-1.27
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.60	0.93	6.18
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.32	-2.07	-11.55
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.10	-0.15	-0.84
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.03	0.05	0.30
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.03	0.05	0.30
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	8.07	12.60	83.47
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.11
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	6.47	10.09	66.85
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	4.37	6.80	46.66
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.50	-0.78	-4.29
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	24.61	38.39	256.15

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	24.61	38.39	256.17
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.08	0.12	0.82
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.54	0.84	5.94
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-0.14	-0.78
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.05	-0.08	-0.45
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	6.34	9.89	65.42
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	6.34	9.89	65.48
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	6.34	9.90	65.50
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.20	-1.88	-10.51
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-9.12	-14.33	-79.74
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-9.17	-14.40	-80.20
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.43	-0.68	-3.78
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	2.33	3.63	24.19
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.18	-0.99
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.23
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.13
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	16.94	26.44	174.91
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.87	-1.36	-7.62
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.36	-0.57	-3.20
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.17	-0.26	-1.47
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.09	-0.50

	NAAQS		General	Emission Changes by Alternative (tons per year				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	0.16	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.20	-0.31	-1.73	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.31	-0.48	-2.71	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-50. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Nitrogen Oxides (NO_X), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.31	-1.32	-8.64
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.83	2.41	141.80
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.07
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.67	-3.06	-21.17
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.12	-0.16	0.58
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.16	-0.02	2.94
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-2.34	0.00	46.05
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.13	0.16	4.31
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.54	2.42	57.48
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.46	-1.89	-12.28
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.51	-2.20	-14.62
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.88	7.34	158.66
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.15	-1.18
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.19	-0.29	0.51
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	0.02	0.70
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.79	-4.47	-34.74
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.55	10.41	226.06
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.90	1.69	36.73
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.25
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-4.43	-20.89	-147.39
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-3.54	-15.93	-109.19

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.15	-1.17
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.51	-1.54	-7.37
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.03
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-2.15	-10.40	-74.31
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-2.16	-10.46	-74.79
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-9.95	14.54	358.83
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	0.01	0.78
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.09	-0.68
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.27	-0.58	-1.15
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.14	3.62	82.75
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.09	3.94	85.22
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.91	-3.04	3.52
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.31	-1.32	-8.64
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.05
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.49	-2.68	-20.52
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.16	4.07	88.13
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	0.07	1.62
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	0.01
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.28
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.26	-0.39	0.75
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.16	-1.21
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.16	-1.21
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.11	-0.83

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.07	0.40	25.47
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.12	-0.71	-5.51
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.36
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.17	2.68	72.67
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.99	-5.64	-43.79
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.84	-10.31	-79.55
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-18.21	-0.65	350.77
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-11.79	-13.30	82.66
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.26	-0.39	0.75
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.27	-1.95
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.37	0.95
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.57	-0.98	0.09
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-1.24	-5.95	-42.43
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.87	-7.23	-44.24
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-1.45	-8.13	-62.64
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.59	-3.28	-25.15
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.36	-7.42	-36.83
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.78	-4.26	-32.50
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-2.71	-7.27	-28.28
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.30	-7.09	-34.35
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.18
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.52	-1.90	-11.14

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.41	-6.61	-46.44
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-1.31	-6.14	-43.11
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.25	-1.83
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.21	5.61	126.08
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	0.02	0.49
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.17	0.31	6.85
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.59	-3.28	-25.20
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.48	-2.68	-20.60
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-9.62	-21.05	-47.14
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-9.53	-20.56	-43.34
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.33	-1.88	-14.62
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-7.42	12.21	283.01
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-9.06	-2.71	147.74
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-7.21	-1.56	124.27
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-8.26	-4.21	115.21
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.93	-5.14	-19.61
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-7.85	-8.91	54.39
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.83	0.54	22.40
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-7.86	-8.95	54.10
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.02	-0.10	-0.80
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.15

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.04	-0.30
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	0.00	5.46
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.16	5.87	127.96
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.18	0.25	6.38
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.27	-0.61	18.24
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.84	1.36	31.86
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.15	0.06	42.93
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.79	-6.14
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.01	0.29
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.27	0.24	7.96
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.30	0.08	6.71
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.20
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.16	-1.25
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.19
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.61	-3.89
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.29
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	0.78	17.44
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.18	-1.31
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.42	-2.29	-17.37
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.41
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.14	-1.12
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.12	-0.95
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.28	0.53	11.50
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.98	-5.39	-41.32
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.98	-5.40	-41.36
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-6.06	9.29	223.41
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.20	0.33	7.75
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.20	0.33	7.75
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.82	-3.73	-25.73
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.71	-3.70	-27.58
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.04	-0.27
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.44
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.04	-0.27
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.15	0.25	5.84
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.04	-0.02
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	0.01	0.34
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-27.66	14.97	711.97
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-27.33	15.37	710.01
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.78	3.37	72.77
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.12	-0.93
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.13	-0.96
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.27	4.25	92.27

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.15	-0.83	-6.46
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.15	-0.83	-6.45
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.12	-0.68	-5.28
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.12	-0.68	-5.28
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.14	-0.79	-6.17
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.20	0.16	5.69
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.80	4.91	110.22
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.07
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.43	-2.02	-14.30
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.04	-0.21	-1.51
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	0.00	0.22
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.06	-0.23	-1.39
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.10	-0.59	-4.57
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-2.04	3.19	75.91
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.08
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.23	-1.64
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	0.06	1.55
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.23	0.21	6.83
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.83	2.92	68.81
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.12	-0.93
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.28
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-7.32	13.45	294.86
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-7.32	13.45	294.86

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.53
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.34
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.16	-0.90
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.16	-0.90
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.05	-0.18	-1.02
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.70	-2.57	-15.15
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.86	-3.13	-18.13
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.24	-1.86
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.46	4.44	117.83
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.15	-0.80	-5.95
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.14	-1.06
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.35	4.96	121.51
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.39
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.14	-1.12
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.09	-0.66
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.41	-1.57	-9.48
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.41	-1.57	-9.48
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.79	-6.15

	NAAQS	General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.46	-8.14	-62.74	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.45	-8.13	-62.64	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.10	-0.63	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-2.09	3.93	85.14	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.08	-0.46	-3.55	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.67	6.19	141.57	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.13	0.16	4.31	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.14	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.49	-3.79	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.45	6.13	136.56	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.19	-1.46	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-7.86	11.21	280.47	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-7.86	11.21	280.48	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-18.41	-43.46	-125.83	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-18.41	-43.46	-125.83	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-18.41	-43.44	-125.41	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-18.41	-43.41	-125.19	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-18.41	-43.45	-125.48	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-18.41	-43.45	-125.48	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.19	-0.76	-4.72	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.63	-3.55	-27.52	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.34	-2.60	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.81	5.75	139.51
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.95	7.22	158.73
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.38	-2.98
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.21	-1.66
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.11	-0.60	-4.63
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-2.98	-16.87	-130.78
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.35	-1.66	-11.70
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.51
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.51
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.69	1.23	27.36
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.36	-2.78
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.17	-3.40	-15.15
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.46	-4.41	-20.90
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.07	-0.53
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.47
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.50
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.64	-4.56
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.88	-5.02	-38.94
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.40	-2.28	-17.74
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.78	-4.44	-34.51
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.43	-5.98	39.76

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.37	-5.58	43.06
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.25	-1.12
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.26	-1.15
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-1.04	-7.92
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.19	-0.33
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.08
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.67
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.07
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.11	-0.86
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.17
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.02	-0.17
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.55
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.07	-0.52
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.11	-0.87
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.51	-3.44
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.11	0.19	4.17
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.32	-2.52
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.03	-0.24
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.57	1.05	23.02
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.06	-0.31	-2.43
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.06	-0.31	-2.44
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.62
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.51	-2.92	-22.68

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ive (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.23	0.42	9.34		
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.21	-1.22	-9.48		
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-6.56	-21.71	-114.72		
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-10.39	-42.05	-267.67		
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-10.51	-43.21	-278.33		
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-10.40	-42.04	-267.26		
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.70		
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.90	-3.44	18.40		
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.30	-2.32		
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.30	-2.32		
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.10	-0.57		
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.38	-2.09		
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.18	-1.40		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.16	-1.16		
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.07		
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.35	-2.38		
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.17	-1.11		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.11	4.87	155.27
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.59	-2.70	0.95
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-8.73	0.28	174.91
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-11.36	-8.30	130.26
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-23.40	14.53	623.44
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-2.90	-16.48	-127.90
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-2.98	-16.90	-131.03
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.02	-17.10	-132.42
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.12	0.20	4.52
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.13	-1.04
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.16	-0.79	-5.66
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.14	2.00	44.81
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.28	-0.63	-1.44
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-7.39	4.32	193.90
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.79	4.04	178.82
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.01	-0.05
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.08	-0.59
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.93	-4.60	-33.34
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.14
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.26	-1.99
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.11	-0.60	-4.69

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.91	-1.14	5.12
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.35
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.20	-6.74	-52.13
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.00	5.68	122.74
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.34	-1.15	-6.16
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-0.93	-7.24
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.09	-0.73
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.34	-1.93	-14.89
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.34	-1.93	-14.89
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.39	-2.22	-17.13
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-18.37	-43.17	-123.36
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.07
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.32	4.18	92.48
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.20	2.27	49.16
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-8.72	9.88	282.36
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-9.41	6.39	256.79
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-9.41	6.39	256.79
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.25	-1.51	47.00
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-9.38	6.59	258.32
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-0.91	-7.04
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.87	2.37	63.42
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-2.97	-3.85	15.28

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.47	-1.02	37.26
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-2.47	-1.02	37.24
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.08	-5.91	-25.30
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-7.70	12.12	287.40
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-2.30	-12.51	-95.25
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-2.30	-12.49	-95.10
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.29	-12.49	-95.09
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-12.35	-10.88	120.84
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-12.35	-10.84	121.09
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-12.36	-10.92	120.52
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.10	-9.45	131.83
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-15.76	9.71	418.94
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-15.76	9.71	418.94
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-15.76	9.71	418.94
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-15.76	9.71	418.95
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-15.76	9.71	418.95
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.39	0.67	15.29
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.39	0.67	15.29
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.06	-0.46
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.10	0.13	3.40
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.09	-0.71

	NAAQS		General	Emissio	n Changes by A	Iternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.19	-1.04	-8.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-2.06	-10.86	-81.37
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.25	-1.85
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.03	0.53
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.04	-0.23	-1.68
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.65
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.12	-0.95
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.35
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.91	-1.14	5.13
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.15	0.25	5.78
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.23	-1.25	-9.45
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.23	-1.24	-9.37
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-0.50	-3.82
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.23	7.86	171.45
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.14	-0.21
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.03	-0.27
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.54	4.05	134.67
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-10.25	5.28	260.82
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-6.25	-2.85	91.04
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.32	2.25	51.17
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.73	0.90	24.48
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-1.37	-10.14

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.10	-0.69
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	0.07	1.56
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.34	-1.76	-13.07
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.45	-1.72	-10.40
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.07	-0.48
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.07	-0.20	-0.78
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.40	-3.10
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	0.02	0.43
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.11
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.53	1.00	21.74
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.31	-2.37
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.17	0.32	6.91
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.50	-2.84	-22.02
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.20	-1.55
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	0.02	0.34
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.01	0.02	0.34
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.34	4.16	92.67
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.25
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-1.85	3.36	74.08
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.90	0.72	45.41
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-1.14	-8.45
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-7.83	10.98	277.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-7.82	10.98	277.16
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	0.00	0.73
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.31	-0.08	5.11
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.20	-1.49
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.02	-0.10	-0.81
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.79	3.37	73.03
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.80	3.35	73.01
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.80	3.35	73.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.44	-2.52	-19.53
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-3.53	-19.56	-150.03
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.52	-19.59	-150.58
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.17	-0.94	-7.31
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.72	1.09	26.37
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.25	-1.91
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.40
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.34
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.77	9.04	195.33
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.32	-1.82	-14.15
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.79	-6.13
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.37	-2.89
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.13	-0.99

	NAAQS	NAAOS General Emission Changes by					Alternative (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.19	-0.49	-1.81		
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.08	-0.43	-3.35		
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.12	-0.67	-5.21		

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-51. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Volatile Organic Compounds (VOCs), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	s per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-7.80	-12.82	-71.29
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-39.89	-65.60	-364.61
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.04	-0.20
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.85	-17.73	-98.94
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.53	-0.86	-4.84
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.05	-1.72	-9.56
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-13.87	-22.72	-126.57
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.42	-0.69	-3.81
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.98	-6.56	-36.40
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.69	-10.93	-61.04
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-7.15	-11.67	-65.17
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.97	-3.27	-18.07
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.59	-0.96	-5.35
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.41	-2.30	-12.83
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.83
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-8.42	-13.61	-76.46
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.36	-8.87	-49.09
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-2.03	-3.35	-18.56
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.40
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-56.65	-92.19	-515.86
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-46.40	-75.59	-422.69

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.35	-0.57	-3.18
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.80	-7.82	-43.75
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.15	-0.82
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-21.75	-35.21	-197.68
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-21.86	-35.38	-198.65
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-30.04	-49.52	-274.77
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.18	-0.29	-1.64
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.23	-0.37	-2.09
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.39	-3.89	-21.77
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-8.03	-13.28	-73.53
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.12	-5.16	-28.56
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-16.54	-27.02	-150.83
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.80	-12.81	-71.26
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.11	-0.19	-1.03
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.41	-22.01	-122.46
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.44	-2.39	-13.22
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.86
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.16	-0.87
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.10	-0.54
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.40	-3.92	-21.88
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.54	-0.88	-4.90
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.54	-0.88	-4.90
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.26	-0.42	-2.34

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.59	-10.83	-60.21
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.04	-1.66	-9.39
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.05	-0.09	-0.50
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.79	-9.52	-52.92
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-11.98	-19.42	-108.96
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-23.78	-38.62	-216.40
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-65.46	-106.45	-595.92
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-107.81	-176.59	-984.01
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-2.40	-3.92	-21.88
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.84	-1.37	-7.64
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.26	-3.69	-20.60
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-10.36	-17.05	-94.73
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-10.57	-17.04	-95.95
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-25.45	-41.55	-232.00
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-18.46	-29.97	-167.97
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-17.94	-29.47	-163.92
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-33.18	-54.30	-302.74
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-20.66	-33.89	-188.65
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-34.56	-56.55	-315.33
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-32.18	-52.66	-293.60
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.12	-0.20	-1.10
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.14	-19.95	-110.90

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-20.46	-33.36	-186.41
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-18.18	-29.62	-165.60
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.13	-1.85	-10.28
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.76	-4.55	-25.25
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.16	-0.86
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.70	-1.16	-6.40
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-17.98	-29.53	-164.26
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-14.64	-24.06	-133.79
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-75.99	-123.66	-691.95
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-75.14	-122.28	-684.22
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.64	-7.55	-42.27
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-7.83	-12.86	-71.53
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-90.35	-148.55	-825.69
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-72.27	-118.86	-660.53
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-88.79	-145.98	-811.48
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-17.31	-28.18	-157.63
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-43.88	-71.34	-399.43
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.68	-4.38	-24.44
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-44.01	-71.55	-400.60
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.02
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.19	-0.31	-1.74
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.16	-0.90

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.12	-0.19	-1.09
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.27	-3.73	-20.75
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.61	-2.65	-14.70
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.06
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.75	-1.24	-6.86
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-5.69	-9.26	-51.84
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.89	-1.46	-8.10
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-4.85	-7.80	-43.98
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.50	-2.43	-13.62
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.11	-0.61
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.68	-1.11	-6.18
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.89	-1.45	-8.09
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.21	-0.35	-1.95
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.29	-2.13	-11.84
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.20	-0.34	-1.86
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.04	-5.00	-27.81
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.10	-0.56
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.05	-1.74	-9.64
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.54	-0.88	-4.91
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.44	-7.19	-40.37
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.75
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.23	-0.36	-2.04
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.44	-2.47
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.24	-1.31
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-14.42	-23.47	-131.29
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-14.43	-23.50	-131.44
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-15.48	-25.52	-141.62
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.57	-0.94	-5.22
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.74	-1.22	-6.77
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-9.14	-14.83	-83.12
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.21	-16.63	-93.00
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.07	-0.11	-0.60
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.11	-0.18	-1.01
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.11	-0.59
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.57	-0.95	-5.26
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.25	-0.42	-2.33
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.07	-0.42
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-139.53	-229.04	-1,274.45
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-136.59	-224.21	-1,247.58
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.47	-4.09	-22.61
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.26	-0.43	-2.39
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.23	-2.03	-11.25
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.06	-6.73	-37.24

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-2.90	-4.74	-26.45
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.90	-4.74	-26.42
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.87	-3.04	-17.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-1.87	-3.04	-17.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-2.78	-4.55	-25.37
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.03	-1.70	-9.44
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-7.56	-12.50	-69.21
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.24
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.15	-8.37	-46.89
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.58	-0.94	-5.25
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.24	-0.40	-2.21
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.59	-0.96	-5.38
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.18	-1.92	-10.76
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-6.07	-10.02	-55.57
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.05	-0.30
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.81	-1.32	-7.38
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.19	-0.32	-1.77
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.38	-2.27	-12.59
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-4.68	-7.73	-42.84
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	-0.43	-2.42
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.70
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-4.85	-8.00	-44.35
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-4.85	-8.00	-44.35

	NAAQS		General	Emissio	n Changes by A	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.18	-0.30	-1.66
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.12	-0.19	-1.07
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.44	-2.47
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	-0.44	-2.48
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.51	-2.84
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-9.35	-15.27	-85.24
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-10.59	-17.27	-96.50
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.44	-0.71	-3.97
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-7.98	-13.10	-72.90
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.69	-2.74	-15.39
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.29	-0.46	-2.61
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.67	-9.31	-51.79
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.62
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.31
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-0.39	-2.20
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.37	-0.60	-3.37
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.33	-0.54	-3.03
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-5.91	-9.66	-53.92
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.91	-9.66	-53.91
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.50	-2.43	-13.63

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-18.49	-30.02	-168.24
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-18.46	-29.97	-167.97
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.29	-0.46	-2.60
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-3.26	-5.40	-29.88
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.71	-2.80	-15.59
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.13	-5.14	-28.58
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.42	-0.69	-3.81
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.44
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.24	-2.01	-11.25
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.98	-13.20	-73.07
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.49	-0.80	-4.48
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-9.75	-15.94	-88.97
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-9.75	-15.94	-88.95
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-108.35	-175.07	-984.15
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-108.35	-175.07	-984.18
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-108.57	-175.43	-986.17
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-108.52	-175.35	-985.69
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-108.57	-175.44	-986.22
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-108.57	-175.44	-986.22
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-3.29	-5.39	-30.05
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-4.73	-7.57	-42.81
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.01	-1.65	-9.24

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-8.32	-13.70	-76.10
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.57	-5.90	-32.69
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.61	-0.98	-5.55
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.35	-0.56	-3.15
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.02	-1.65	-9.27
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-35.08	-56.85	-318.98
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.27	-6.95	-38.90
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.26	-0.42	-2.35
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.26	-0.42	-2.36
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.45	-4.05	-22.40
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.72	-1.16	-6.51
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.13	-16.46	-92.17
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-14.58	-23.74	-132.76
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.16	-0.92
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.81
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.10	-0.15	-0.87
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.36	-2.20	-12.37
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-13.12	-21.36	-119.50
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-6.83	-11.14	-62.25
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-11.64	-18.95	-106.02
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-33.97	-55.36	-309.49

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-33.62	-54.80	-306.31
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.45	-5.69	-31.57
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.55	-5.85	-32.46
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.18	-3.52	-19.78
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.44	-0.71	-3.97
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.12	-0.20	-1.13
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.13	-0.21	-1.16
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.09
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.24	-0.39	-2.20
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.11	-0.17	-0.97
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.11	-0.17	-0.96
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.16	-0.26	-1.47
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.24	-0.39	-2.19
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.41	-0.67	-3.74
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.43	-2.33	-13.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.49	-0.81	-4.49
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.52	-0.84	-4.74
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.09	-0.49
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.33	-2.20	-12.18
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.69	-1.13	-6.32
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.70	-1.13	-6.34
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	-0.44	-2.47
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.12	-16.55	-92.35

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.46	-0.76	-4.21
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-12.80	-21.12	-117.16
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-124.16	-203.76	-1,133.98
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-189.12	-309.81	-1,726.18
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-194.93	-319.36	-1,779.28
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-195.23	-319.94	-1,782.18
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.22	-1.21
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-21.91	-35.80	-199.82
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.77	-1.25	-6.97
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.77	-1.25	-6.97
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.25	-0.40	-2.26
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.91	-1.47	-8.26
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.51	-0.83	-4.63
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.44	-0.72	-4.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.03	-0.05	-0.27
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.16	-1.90	-10.62
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.84	-1.37	-7.64

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.65	-22.33	-124.52
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-12.36	-20.16	-112.67
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-37.12	-60.57	-338.31
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-64.01	-104.35	-583.21
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-61.21	-99.71	-557.58
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-34.42	-55.78	-312.94
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-35.20	-57.04	-320.05
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-35.50	-57.52	-322.79
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.21	-0.35	-1.91
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.18
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.29	-0.47	-2.64
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-1.24	-1.99	-11.23
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.73	-2.86	-15.84
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.07	-5.02	-28.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-36.57	-60.03	-334.02
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-33.33	-54.71	-304.41
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.09	-0.14	-0.80
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.15	-0.24	-1.33
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.45	-20.26	-113.37
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.73
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.04	-3.36	-18.65
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.32	-2.14	-12.00

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-4.88	-7.92	-44.38		
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.10	-0.16	-0.89		
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.15	-21.28	-119.53		
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.99	-1.63	-9.04		
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-3.86	-6.30	-35.21		
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.01	-4.92	-27.46		
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.24	-0.40	-2.22		
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-3.73	-6.03	-33.85		
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-3.73	-6.03	-33.85		
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-4.16	-6.72	-37.78		
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-108.18	-174.80	-982.60		
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.10	-0.16	-0.88		
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-6.37	-10.54	-58.37		
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.06	-5.08	-28.08		
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-15.94	-26.03	-145.32		
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-24.98	-40.74	-227.65		
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-24.98	-40.73	-227.64		
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-11.80	-19.12	-107.31		
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-24.41	-39.80	-222.43		
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.95	-3.16	-17.72		
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.80	-6.22	-34.65		
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-22.69	-37.07	-206.90		

	NAAQS		General	Emission	n Changes by A	Alternative (tor	s per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-13.47	-21.99	-122.80
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-13.48	-22.00	-122.85
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-21.41	-34.92	-195.12
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-8.36	-13.69	-76.30
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-35.98	-58.64	-327.79
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-35.92	-58.55	-327.29
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-35.74	-58.26	-325.67
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-56.47	-91.60	-513.63
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-56.41	-91.51	-513.08
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-56.54	-91.72	-514.29
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-53.42	-86.67	-485.95
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-42.25	-68.86	-384.96
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-42.25	-68.86	-384.96
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-42.25	-68.86	-384.96
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-42.25	-68.86	-384.95
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-42.25	-68.86	-384.95
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.08	-1.79	-9.93
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-1.08	-1.79	-9.93
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.20	-1.10
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.31	-2.17	-12.04
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.14	-0.22	-1.23

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-1.98	-3.21	-18.01
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-29.94	-48.77	-272.73
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.68	-1.10	-6.15
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.30	-0.49	-2.72
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.61	-1.00	-5.59
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.24	-0.39	-2.20
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.25	-0.41	-2.30
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.25	-1.38
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-4.88	-7.92	-44.38
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.37	-0.62	-3.42
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.17	-5.16	-28.86
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.14	-5.11	-28.61
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.10	-1.78	-9.99
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.81	-7.97	-44.10
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.59	-0.96	-5.37
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.15	-0.82
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.85	-17.71	-98.90
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-37.71	-61.67	-343.97
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-36.73	-60.01	-334.92
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.06	-5.05	-27.97
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-3.97	-6.54	-36.29
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.87	-4.65	-26.12

	NAAQS		General	Emission	n Changes by A	Iternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.20	-0.33	-1.84
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-0.11	-0.61
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.64	-10.87	-60.60
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.48	-10.59	-59.08
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.20	-0.33	-1.85
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.51	-0.83	-4.68
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.69	-1.11	-6.23
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.15	-0.85
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.04	-0.23
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.14	-0.23	-1.28
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.63	-1.03	-5.77
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.66	-1.09	-6.05
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-5.87	-9.51	-53.34
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.65	-1.06	-5.93
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.19
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.02	-0.03	-0.19
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-13.09	-21.67	-119.92
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.14	-0.76
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-8.06	-13.35	-73.87
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-7.03	-11.48	-64.06
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.69	-4.37	-24.47
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-9.18	-14.99	-83.69

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-9.17	-14.98	-83.62
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.17	-0.28	-1.57
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.54	-2.51	-14.00
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.07	-0.12	-0.65
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.58	-0.95	-5.29
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.19	-0.31	-1.74
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.51	-5.81	-32.17
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-4.31	-7.13	-39.46
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.61	-7.64	-42.28
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.20	-6.77	-38.13
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-39.75	-64.36	-361.30
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-34.13	-55.04	-309.78
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-3.03	-4.95	-27.63
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.04	-1.70	-9.47
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.37	-0.59	-3.34
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.17	-0.94
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.82
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.94	-1.56	-8.61
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.80	-4.50	-25.36
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.55	-2.51	-14.10
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.54	-2.52	-14.06
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.53	-0.86	-4.82

	NAAQS		Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.02	-3.30	-18.44
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.25	-2.04	-11.41
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.88	-3.06	-17.12

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-52. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Volatile Organic Compounds (VOCs), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.95	-15.57	-123.78
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-14.10	-77.17	-617.71
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.39
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.53	-24.92	-191.30
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.42	-1.55	-11.34
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.46	-2.24	-17.51
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-6.13	-29.66	-231.50
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.78	-6.29
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.09	-6.96	-57.25
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.49	-15.56	-119.09
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-3.91	-17.04	-129.73
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.33	-2.98	-25.57
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.28	-1.29	-10.02
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.81	-3.49	-26.51
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.21	-1.62
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-6.54	-24.58	-179.57
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.98	-8.25	-70.46
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.36	-3.08	-26.41
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.16	-1.17
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-34.65	-143.44	-1,077.71
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-27.24	-114.84	-867.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-0.93	-6.89
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.98	-12.41	-93.43
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.23	-1.75
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-16.09	-61.52	-451.97
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-16.18	-61.84	-454.25
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-8.72	-53.72	-439.12
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.08	-0.39	-3.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.14	-0.58	-4.35
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.35	-5.79	-43.89
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.77	-13.41	-113.05
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.53	-4.72	-40.56
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-8.50	-38.12	-292.36
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.95	-15.57	-123.73
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.29	-2.29
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.35	-27.36	-216.12
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.25	-2.18	-18.66
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.16	-1.30
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.24	-1.79
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.19	-1.34
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.16	-5.37	-41.49
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.27	-1.23	-9.43
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.27	-1.23	-9.43
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.17	-0.67	-5.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.50	-13.13	-104.32
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.99	-3.47	-24.80
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.39	-3.02
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.19	-11.55	-91.71
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-8.47	-32.99	-243.62
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-15.87	-63.41	-471.79
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-41.19	-168.51	-1,261.98
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-48.67	-233.03	-1,814.43
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-1.16	-5.37	-41.49
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.46	-2.04	-15.61
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.11	-5.11	-39.44
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.51	-19.74	-158.84
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-8.91	-32.42	-234.60
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-13.53	-59.75	-456.52
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-12.48	-49.73	-369.74
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.78	-35.72	-283.84
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-15.78	-73.55	-569.27
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-8.39	-42.48	-334.81
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-16.45	-76.64	-593.13
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-15.22	-71.14	-550.94
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.09	-0.35	-2.63
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.52	-24.20	-192.85

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-11.40	-49.23	-373.94
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-10.46	-44.50	-336.74
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.49	-2.39	-18.74
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.86	-5.05	-41.02
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.16	-1.30
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.12	-1.05	-8.97
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-6.79	-35.80	-284.41
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.53	-29.15	-231.63
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-46.49	-192.41	-1,445.62
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-45.78	-189.83	-1,426.91
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.94	-11.98	-89.65
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-2.90	-15.46	-123.08
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-32.21	-175.51	-1,403.69
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-25.21	-139.30	-1,117.06
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-31.97	-173.36	-1,385.29
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.47	-43.61	-328.14
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-27.79	-113.30	-847.75
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.34	-6.07	-46.70
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-27.86	-113.61	-850.08
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.04
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.15	-0.57	-4.13
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.30	-2.23

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.06	-0.28	-2.14
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.86	-4.75	-38.03
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.36	-2.62	-21.95
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.15
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.20	-1.25	-10.22
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-3.55	-14.62	-109.67
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.35	-1.81	-14.29
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-4.26	-15.27	-109.99
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.17	-4.47	-32.81
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.10	-0.87
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.37	-1.74	-13.46
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.60	-2.60	-19.76
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.44	-3.58
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.44	-2.76	-22.61
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.42	-3.47
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.29	-6.51	-51.30
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.19	-1.39
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.23	-1.71	-14.41
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.30	-1.30	-9.86
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-3.42	-12.99	-95.26
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.28	-2.06
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.20	-0.72	-5.18
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-0.77	-5.76
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.25	-2.10
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-8.64	-36.09	-271.78
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-8.65	-36.13	-272.09
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.46	-27.60	-225.84
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.98	-8.15
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.17	-1.23	-10.31
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.07	-24.24	-180.35
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.05	-25.41	-191.69
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.05	-0.19	-1.37
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.09	-0.31	-2.25
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.19	-1.37
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.12	-0.92	-7.76
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.11	-0.54	-4.22
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.09	-0.70
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-55.51	-284.24	-2,245.37
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-54.15	-277.80	-2,195.37
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.41	-3.71	-31.94
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.18	-0.71	-5.28
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.36	-2.27	-18.59
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.73	-6.34	-54.29

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-1.44	-6.57	-50.58
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.44	-6.56	-50.52
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.10	-4.73	-35.83
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-1.10	-4.73	-35.83
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-1.38	-6.32	-48.69
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.36	-1.98	-15.87
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.60	-12.14	-102.32
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.07	-0.50
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.29	-13.38	-99.98
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.34	-1.41	-10.62
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.05	-0.36	-3.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.39	-1.57	-11.72
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.88	-3.42	-25.22
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-1.60	-10.48	-86.51
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.08	-0.60
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.41	-1.86	-14.30
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.34	-2.79
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.42	-2.54	-20.74
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.26	-8.14	-67.05
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.19	-0.76	-5.66
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.26	-2.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.15	-7.97	-66.39
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-1.15	-7.97	-66.39

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.11	-0.46	-3.46
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.29	-2.20
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.99	-7.21
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	-0.99	-7.22
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-1.13	-8.22
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-4.91	-21.80	-166.77
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.86	-25.39	-193.05
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.35	-1.31	-9.58
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.12
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.15	-16.22	-128.27
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.21	-4.70	-34.66
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.21	-0.79	-5.83
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.14	-11.28	-89.63
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.15	-1.24
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.62
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.10	-0.49	-3.85
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-0.94	-7.08
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.72	-5.61
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-3.02	-13.58	-104.26
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.02	-13.58	-104.23
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.17	-4.47	-32.82

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-12.50	-49.81	-370.32
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-12.48	-49.73	-369.74
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.19	-0.76	-5.71
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.57	-4.98	-42.69
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.81	-3.78	-29.29
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.18	-6.24	-49.62
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.14	-0.78	-6.29
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.17	-1.33
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.77	-3.17	-23.82
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.68	-12.80	-107.97
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.30	-1.25	-9.39
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-4.76	-21.67	-166.77
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-4.76	-21.67	-166.74
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-85.59	-319.59	-2,331.12
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-85.59	-319.59	-2,331.16
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-85.61	-319.90	-2,333.84
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-85.57	-319.74	-2,332.71
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-85.62	-319.93	-2,334.08
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-85.62	-319.93	-2,334.08
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-1.52	-7.20	-55.90
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-4.87	-16.56	-117.13
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.57	-2.45	-18.61

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.66	-15.48	-125.33
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.83	-5.93	-49.59
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.54	-1.96	-14.14
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.31	-1.11	-7.99
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.86	-3.12	-22.59
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-25.26	-97.84	-721.49
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.72	-11.08	-82.81
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.12	-0.56	-4.37
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.12	-0.56	-4.38
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.47	-3.83	-32.55
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.54	-2.08	-15.34
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.52	-26.40	-197.16
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-8.61	-36.23	-273.38
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.36	-2.63
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.09	-0.32	-2.36
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.34	-2.49
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.00	-3.83	-28.17
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-7.95	-33.08	-248.86
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.76	-16.33	-124.23
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-7.04	-29.30	-220.41
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-19.69	-83.56	-631.95

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-19.18	-81.91	-620.50
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.99	-6.49	-53.54
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.02	-6.67	-55.07
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.58	-6.11	-45.08
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.40	-1.50	-11.01
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.19	-1.58
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.13	-0.50	-3.67
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.31
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.17	-0.68	-5.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.22	-1.71
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.04	-0.22	-1.69
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.11	-0.44	-3.24
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.56	-4.34
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.20	-0.94	-7.30
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.87	-3.61	-27.20
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.09	-0.76	-6.46
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.46	-1.66	-11.98
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.04	-0.17	-1.22
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.24	-2.02	-17.28
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.47	-1.87	-13.84
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.48	-1.87	-13.89
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.62	-4.78
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-5.05	-23.00	-177.04

	NAAQS		General	Emission	n Changes by A	y Alternative (tons per year) ^c			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.72	-6.10		
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-3.54	-22.49	-184.76		
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-50.11	-254.59	-2,007.93		
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-84.71	-407.17	-3,173.24		
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-86.87	-418.66	-3,264.67		
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-85.75	-416.41	-3,252.57		
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.48	-3.45		
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-11.38	-50.95	-390.56		
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11		
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-1.96	-14.69		
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.47	-1.96	-14.69		
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.18	-0.70	-5.18		
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.66	-2.56	-18.90		
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.29	-1.24	-9.40		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.27	-1.12	-8.43		
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04		
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.06	-0.49		
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.63	-2.78	-21.25		
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.35	-1.75	-13.76		

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.43	-30.10	-233.26
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.98	-29.96	-227.22
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-20.19	-88.16	-671.62
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-36.35	-155.57	-1,179.18
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-35.87	-151.36	-1,142.94
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-24.68	-95.73	-706.27
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-25.31	-98.03	-722.90
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-25.60	-99.04	-730.12
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.35	-2.91
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.36
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.20	-0.78	-5.77
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-1.16	-4.10	-29.41
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.43	-2.92	-24.29
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.52	-6.94	-53.49
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-14.44	-74.23	-586.90
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-13.15	-67.64	-534.80
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.02	-0.15	-1.22
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.11	-0.42	-3.08
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.56	-31.49	-236.96
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.04	-0.20	-1.57
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.66	-3.90	-31.67
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.92	-3.62	-26.84

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year)°	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.28	-13.06	-97.11
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.31	-2.35
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-9.95	-37.71	-276.34
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.17	-1.50	-12.83
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-2.19	-9.37	-71.06
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.59	-7.19	-55.18
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.15	-0.65	-4.88
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-2.83	-10.70	-78.35
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-2.83	-10.70	-78.35
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-3.24	-12.13	-88.51
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-85.24	-318.60	-2,324.57
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.17	-1.44
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.24	-9.99	-84.85
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.52	-4.62	-39.68
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-8.37	-37.16	-284.26
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-14.02	-60.31	-457.72
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-14.01	-60.30	-457.68
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.60	-33.18	-244.46
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-13.70	-59.03	-448.18
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.37	-5.40	-39.99
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.65	-8.07	-63.10
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-12.00	-53.47	-409.37

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-7.16	-31.60	-241.43
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-7.16	-31.62	-241.53
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-12.06	-51.81	-393.07
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-3.45	-16.89	-132.16
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-20.53	-87.66	-664.09
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-20.49	-87.53	-663.07
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-20.47	-87.30	-661.14
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-38.93	-153.18	-1,134.82
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-38.89	-153.01	-1,133.54
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-38.99	-153.40	-1,136.38
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-36.80	-144.96	-1,074.30
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-24.41	-103.76	-785.05
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-24.41	-103.76	-785.05
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-24.41	-103.76	-785.06
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-24.41	-103.76	-785.02
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-24.41	-103.76	-785.02
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.24	-1.73	-14.51
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.24	-1.73	-14.51
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.34	-2.44
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	-2.09	-17.70
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.15
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.13	-0.48	-3.50

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-1.53	-5.74	-42.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-17.74	-74.70	-563.78
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.41	-1.72	-12.97
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.15	-0.78	-6.12
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.37	-1.56	-11.79
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.58	-4.43
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.18	-0.73	-5.37
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	-0.35	-2.69
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-3.28	-13.06	-97.10
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.09	-0.64	-5.27
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.00	-8.22	-61.70
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-1.98	-8.16	-61.22
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.77	-3.01	-22.31
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.95	-7.57	-64.27
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.34	-1.45	-10.95
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.06	-0.24	-1.84
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-5.73	-25.38	-194.08
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-18.46	-84.82	-654.24
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-18.78	-84.46	-648.14
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.73	-5.12	-42.75
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.07	-6.91	-56.91
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.09	-8.08	-59.59

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.16	-0.59	-4.35
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.10	-0.87
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.18	-14.77	-114.21
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.31	-14.98	-115.09
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.51	-3.85
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.37	-1.45	-10.68
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.58	-2.12	-15.42
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.14	-1.21
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.08	-0.57
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.03	-0.23	-1.92
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.46	-1.77	-13.04
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.11	-0.98	-8.38
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.26	-16.58	-122.41
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.34	-1.51	-11.56
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.26
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	-0.03	-0.26
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.43	-20.31	-173.31
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.24	-1.87
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-1.42	-12.02	-102.72
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.66	-16.30	-124.86
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.79	-7.18	-53.44
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-4.84	-21.46	-164.09

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-4.84	-21.44	-163.94	
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.41	-3.15	
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.82	-3.62	-27.62	
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.03	-0.13	-1.07	
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.33	-1.40	-10.65	
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.15	-0.56	-4.06	
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.60	-5.34	-45.82	
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.78	-6.73	-57.64	
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.85	-7.26	-62.07	
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.59	-12.99	-93.88	
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-29.23	-112.02	-823.51	
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-28.30	-103.59	-750.99	
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-1.61	-7.24	-55.56	
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.41	-2.11	-16.66	
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.35	-1.23	-8.79	
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.29	-2.07	
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.07	-0.30	-2.31	
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.16	-1.41	-12.16	
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.56	-9.05	-64.84	
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.18	-4.50	-33.09	
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.70	-3.44	-26.93	
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-1.18	-9.25	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.07	-4.74	-36.24	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.71	-3.10	-23.59	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.09	-4.69	-35.61	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-53. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Carbon Monoxide (CO), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-32.51	-50.26	-272.92
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-134.31	-207.26	-1,103.79
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.24	-0.37	-2.02
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-74.15	-114.65	-622.93
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-6.54	-10.12	-54.88
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.41	-8.36	-44.87
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-71.73	-110.78	-595.20
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.95	-1.46	-7.36
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.54	-6.90	-31.18
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-47.39	-73.27	-398.28
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-54.34	-84.02	-456.75
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	8.97	14.13	91.37
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-3.57	-5.51	-29.99
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-9.94	-15.34	-81.69
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.38	-0.58	-2.80
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-102.70	-158.80	-864.09
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	17.63	27.80	182.17
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	3.13	4.94	32.54
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.62	-0.96	-5.23
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-505.10	-781.02	-4,248.88
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-390.59	-603.95	-3,285.42

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.48	-5.38	-29.30	
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-41.20	-63.69	-345.47	
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.83	-1.28	-6.90	
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-249.15	-385.24	-2,094.71	
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-250.47	-387.28	-2,105.81	
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-54.18	-83.21	-420.48	
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.01	-1.56	-8.40	
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-2.02	-3.12	-16.98	
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-18.96	-29.32	-159.41	
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.62	-3.92	-14.21	
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	4.25	6.69	43.55	
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-112.04	-173.16	-937.28	
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-32.49	-50.24	-272.79	
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.56	-0.87	-4.69	
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-62.17	-96.14	-523.09	
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	4.29	6.76	44.06	
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.09	
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.77	-1.20	-6.49	
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.81	-1.25	-6.82	
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-15.23	-23.55	-127.95	
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-3.63	-5.61	-30.54	
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-3.63	-5.62	-30.55	
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.42	-3.75	-20.39	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-25.96	-40.08	-214.84
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-16.04	-24.80	-134.93
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.32	-0.50	-2.72
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-17.22	-26.42	-131.96
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-129.93	-200.91	-1,093.22
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-237.30	-366.94	-1,996.58
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-586.17	-905.83	-4,896.36
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-603.93	-933.53	-5,061.57
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-15.23	-23.54	-127.95
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.00	-9.28	-50.48
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-14.50	-22.42	-121.81
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-34.29	-53.00	-286.70
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-143.23	-221.47	-1,204.85
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-184.71	-285.59	-1,552.05
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-185.78	-287.26	-1,563.09
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-75.94	-117.42	-638.86
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-203.51	-314.64	-1,709.00
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-99.16	-153.33	-834.21
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-211.16	-326.43	-1,771.26
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-195.70	-302.55	-1,643.24
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.20	-1.85	-10.06
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-47.98	-74.17	-402.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-159.83	-247.13	-1,343.95
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-148.54	-229.68	-1,249.03
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.99	-9.26	-50.35
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.77	-4.14	-14.21
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.09	-0.14	-0.72
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.27	0.43	3.43
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-76.08	-117.64	-640.08
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-61.99	-95.85	-521.52
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-664.34	-1,026.88	-5,565.23
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-653.06	-1,009.44	-5,470.32
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-43.38	-67.07	-364.97
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-17.51	-26.66	-121.89
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-321.07	-495.86	-2,663.26
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-242.79	-374.88	-2,009.16
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-321.16	-496.02	-2,665.77
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-150.54	-232.75	-1,264.90
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-401.31	-620.29	-3,360.23
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-17.11	-26.43	-142.52
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-402.37	-621.92	-3,369.11
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.03	-0.04	-0.24
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-2.34	-3.63	-19.73
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.98	-1.51	-8.22

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)°
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.88	-1.36	-7.42
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.79	-12.04	-64.80
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	3.35	5.32	37.26
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.05	-0.08	-0.46
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-1.40	-2.15	-10.63
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-50.93	-78.74	-427.09
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.38	-5.20	-27.22
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-67.76	-104.73	-567.76
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-17.35	-26.83	-145.98
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.12
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.10	-4.80	-25.81
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-5.79	-8.94	-48.37
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.51	-0.79	-4.28
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.09	-4.78	-26.02
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.49	-0.75	-4.09
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-14.68	-22.70	-123.41
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.85	-1.32	-7.18
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.60	0.98	7.97
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-4.23	-6.54	-35.58
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-51.99	-80.40	-437.41
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.06	-1.64	-8.91
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.27

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.32	-5.13	-27.94
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.56	-3.95	-21.51
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.55	0.87	5.95
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-124.96	-193.22	-1,051.15
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-125.09	-193.42	-1,052.21
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-20.69	-31.52	-144.47
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.11	0.75
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.09	-0.12	0.72
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-90.77	-140.35	-763.08
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-86.87	-134.32	-730.63
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.94	-1.46	-7.93
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.61	-2.49	-13.53
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.94	-1.45	-7.91
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.09	0.38
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.38	-2.14	-11.60
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.25	-0.38	-2.08
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-595.23	-918.98	-4,918.66
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-578.46	-893.06	-4,778.75
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	2.85	4.49	29.04
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-2.76	-4.27	-23.23
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.90	-4.49	-24.40
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.26	6.73	44.56

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-19.18	-29.65	-161.35
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-19.15	-29.61	-161.13
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-14.98	-23.16	-126.01
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-14.98	-23.16	-126.01
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-18.15	-28.07	-152.71
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.06	-4.72	-24.59
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.09	6.62	53.43
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-0.38	-2.06
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-48.77	-75.41	-410.24
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-4.98	-7.69	-41.87
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.70	-1.08	-5.86
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.84	-9.03	-49.02
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-13.01	-20.11	-109.44
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-6.04	-9.19	-40.91
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.25	-0.39	-2.13
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.51	-8.52	-46.34
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.25	-0.38	-1.95
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.74	-4.21	-21.54
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.70	-3.98	-10.79
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.51	-3.89	-21.15
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.57	-0.88	-4.81
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	8.26	13.23	97.83
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	8.26	13.23	97.83

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.58	-2.44	-13.26
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.01	-1.57	-8.52
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.47	-5.36	-29.14
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.47	-5.37	-29.19
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-3.98	-6.16	-33.48
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-66.04	-102.08	-553.72
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-80.92	-125.10	-678.63
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.38	-8.31	-45.23
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-31.04	-47.85	-251.82
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-18.67	-28.87	-157.07
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.25	-5.02	-27.33
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-18.56	-28.56	-146.93
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.15	-0.23	-1.23
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.61
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.22	-1.88	-10.24
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.27	-5.06	-27.51
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.97	-3.04	-16.56
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-40.68	-62.90	-342.20
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-40.67	-62.89	-342.12
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.15
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-17.36	-26.84	-146.06

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-186.07	-287.73	-1,565.61		
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-185.78	-287.26	-1,563.09		
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.60	-4.02	-21.83		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	4.05	6.38	41.86		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-10.55	-16.31	-88.74		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-8.29	-12.68	-61.33		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.95	-1.46	-7.36		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.24	-0.37	-2.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-11.14	-17.22	-93.72		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.75	9.25	70.52		
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.35	-6.73	-36.60		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-49.64	-76.30	-389.15		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-49.62	-76.28	-389.01		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-1,329.33	-2,055.03	-11,153.29		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-1,329.36	-2,055.08	-11,153.53		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-1,328.98	-2,054.50	-11,150.26		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-1,328.32	-2,053.47	-11,144.65		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-1,329.15	-2,054.76	-11,151.65		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-1,329.15	-2,054.76	-11,151.65		
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-19.38	-29.97	-162.84		
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-81.97	-126.76	-689.71		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.96	-12.32	-67.01		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-17.20	-26.36	-130.33
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	4.68	7.50	55.55
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-8.61	-13.32	-72.45
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-4.80	-7.43	-40.42
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-13.75	-21.26	-115.66
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-386.70	-597.95	-3,253.69
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-40.29	-62.31	-338.93
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-1.53	-2.36	-12.83
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.53	-2.37	-12.87
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.99	1.60	12.23
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.87	-12.17	-66.23
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-96.32	-148.92	-809.26
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-122.66	-189.64	-1,030.43
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.30	-2.01	-10.93
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.15	-1.78	-9.67
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.23	-1.90	-10.36
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-15.30	-23.65	-128.40
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-115.27	-178.24	-969.88
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-52.62	-81.36	-442.73
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-102.37	-158.29	-861.33
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-274.14	-423.73	-2,295.45

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-265.83	-410.87	-2,225.49
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.51	-10.05	-54.45
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-6.69	-10.34	-55.99
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-23.91	-36.97	-201.16
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.12	-7.91	-43.02
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.47	-0.73	-3.95
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.21	-1.87	-10.19
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.15	-0.23	-1.24
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.57	-3.98	-21.66
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.54	-0.83	-4.51
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.53	-0.82	-4.44
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.64	-2.54	-13.84
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.44	-2.23	-12.16
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.47	-3.82	-20.80
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-12.34	-19.08	-103.70
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.05	0.08	0.94
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.34	-11.35	-61.77
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.68	-1.05	-5.69
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	1.66	2.62	17.67
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-7.27	-11.25	-61.21
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-7.30	-11.29	-61.42
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.84	-2.84	-15.47
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-67.22	-103.94	-565.57

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.59	0.94	6.67
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-28.13	-43.49	-236.65
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-587.90	-909.03	-4,943.83
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1,063.80	-1,644.89	-8,946.64
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1,087.79	-1,681.99	-9,148.61
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1,064.32	-1,645.69	-8,951.02
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.77	-2.74	-14.89
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-147.02	-227.18	-1,226.76
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.11	-0.59
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.83	-10.56	-57.44
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-6.83	-10.56	-57.44
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.62	-4.06	-21.99
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-9.59	-14.82	-80.32
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-4.15	-6.41	-34.90
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.74	-5.78	-31.44
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.15
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.14	-0.22	-1.20
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-8.52	-13.18	-71.68
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.23	-6.54	-35.50

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-74.00	-114.17	-606.49
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-97.69	-151.03	-820.28
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-266.08	-411.03	-2,213.00
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-499.24	-771.54	-4,173.10
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-473.67	-731.29	-3,913.47
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-377.71	-584.06	-3,178.07
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-388.00	-599.96	-3,264.60
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-392.47	-606.88	-3,302.26
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.04	0.19
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.22	-0.34	-1.83
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-3.16	-4.88	-26.55
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-18.42	-28.48	-154.96
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.07	-1.60	-5.96
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-19.71	-30.46	-165.09
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-146.38	-225.76	-1,195.25
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-133.39	-205.74	-1,089.44
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.17	-0.26	-1.43
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.74	-2.69	-14.66
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-108.76	-168.16	-914.43
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.31	-0.49	-2.65
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.85	-9.04	-49.19
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-13.67	-21.13	-114.98

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-47.99	-74.18	-401.67
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.79	-1.22	-6.66
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-155.58	-240.57	-1,308.92
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	5.03	7.93	51.37
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-30.85	-47.70	-259.46
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-20.66	-31.95	-173.84
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.99	-3.07	-16.72
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-44.63	-69.01	-375.50
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-44.63	-69.01	-375.49
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-51.31	-79.34	-431.69
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-1,322.91	-2,045.11	-11,099.17
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.53
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	1.29	2.14	19.49
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	3.95	6.22	40.37
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-94.42	-145.44	-759.31
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-177.23	-273.47	-1,455.15
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-177.20	-273.43	-1,454.96
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-128.41	-198.47	-1,074.78
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-171.85	-265.16	-1,409.98
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-20.40	-31.54	-171.65
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-14.55	-22.33	-112.15
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-154.50	-238.73	-1,289.63

	NAAQS	General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-92.64	-143.09	-769.18	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-92.69	-143.16	-769.58	
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-167.76	-259.33	-1,407.19	
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-30.56	-46.80	-228.66	
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-291.28	-450.41	-2,450.65	
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-290.83	-449.71	-2,446.85	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-290.56	-449.28	-2,444.54	
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-571.54	-883.22	-4,773.97	
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-570.80	-882.07	-4,767.74	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-572.53	-884.74	-4,782.25	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-537.24	-830.18	-4,485.40	
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-313.32	-483.55	-2,577.06	
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-313.32	-483.55	-2,577.07	
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-313.33	-483.55	-2,577.11	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-313.31	-483.52	-2,576.93	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-313.31	-483.52	-2,576.93	
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.51	-0.76	-2.55	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.51	-0.76	-2.55	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.72	-2.65	-14.43	
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.76	-1.16	-5.89	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.16	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.79	-2.78	-15.10	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-23.98	-37.08	-201.78
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-253.15	-391.44	-2,129.56
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-5.82	-9.00	-48.98
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.38	-2.14	-11.53
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-5.29	-8.18	-44.52
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.92	-2.97	-16.13
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.68	-4.15	-22.56
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.05	-1.63	-8.85
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-47.99	-74.17	-401.63
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.21	-0.32	-1.08
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-28.74	-44.43	-241.72
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-28.49	-44.05	-239.65
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-11.53	-17.83	-97.04
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	7.00	11.10	76.03
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-4.74	-7.33	-39.85
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.71	-1.09	-5.94
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-69.24	-106.81	-566.45
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-223.87	-345.61	-1,848.40
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-243.31	-375.94	-2,028.87
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.85	-1.22	-1.40
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.03	-9.27	-46.90
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-31.70	-49.02	-266.57

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.46	-3.81	-20.70
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.14
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-41.42	-64.05	-348.42
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-43.82	-67.75	-368.21
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.69	-2.62	-14.22
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-5.52	-8.54	-46.28
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-8.94	-13.82	-75.21
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.01	0.01	0.12
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.33	-0.51	-2.79
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	1.09	1.72	11.33
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-7.01	-10.84	-59.01
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.46	0.74	5.09
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-63.66	-98.44	-535.67
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-4.62	-7.14	-38.85
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.09
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.01	0.01	0.09
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	1.67	2.74	24.15
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.58	-0.90	-4.91
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	1.23	2.01	17.12
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-45.94	-70.93	-379.74
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-26.65	-41.20	-224.14
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-49.97	-76.81	-391.73

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-49.88	-76.67	-390.95
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.07	-1.65	-8.80
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-10.51	-16.23	-86.95
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.32	-0.49	-2.64
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.55	-7.04	-38.31
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-2.46	-3.80	-20.66
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	4.80	7.56	49.19
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	4.24	6.70	44.58
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	4.02	6.36	42.79
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-57.93	-89.58	-487.45
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-453.07	-700.58	-3,811.54
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-453.32	-700.96	-3,813.68
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-20.86	-32.26	-175.54
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.97	-6.11	-31.97
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.53	-8.55	-46.55
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.55	-2.40	-13.04
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.72	-1.11	-6.04
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	3.33	5.25	33.88
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-41.99	-64.93	-353.30
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-17.78	-27.49	-149.57
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-8.10	-12.52	-68.15
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.77	-4.29	-23.35

	NAAQS	General		Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-14.56	-22.51	-122.43	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-9.54	-14.75	-80.25	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-14.94	-23.10	-125.70	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-54. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Carbon Monoxide (CO), 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-18.41	-78.09	-633.30
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-86.37	-343.50	-2,696.37
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.12	-0.50	-4.04
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-41.64	-177.08	-1,437.74
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.69	-15.59	-126.24
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.30	-13.48	-107.23
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-43.58	-178.15	-1,418.52
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.81	-2.85	-20.80
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-5.65	-17.30	-114.22
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-26.54	-113.01	-918.08
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-30.40	-129.51	-1,052.46
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.13	6.50	113.27
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.98	-8.48	-68.96
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-6.58	-26.19	-205.61
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.40	-1.31	-9.13
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-57.26	-244.80	-1,992.70
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.37	10.29	212.40
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-1.01	1.75	37.75
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.40	-1.73	-14.06
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-281.10	-1,200.79	-9,770.42
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-217.45	-928.72	-7,555.97

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.93	-8.27	-67.28
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-24.17	-102.16	-826.97
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.48	-2.00	-16.12
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-139.18	-593.40	-4,823.93
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-139.91	-596.53	-4,849.41
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-45.93	-161.65	-1,181.53
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.59	-2.45	-19.57
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.12	-4.79	-39.03
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-10.61	-45.20	-367.30
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-5.20	-14.56	-88.83
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.14	2.78	52.31
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-64.65	-271.12	-2,186.37
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-18.40	-78.06	-633.04
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.40	-1.67	-13.46
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-34.63	-148.03	-1,204.82
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.17	2.81	53.16
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.22	-1.22
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.44	-1.87	-15.18
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.46	-1.95	-15.84
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-8.54	-36.35	-295.17
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-2.02	-8.63	-70.23
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.02	-8.63	-70.26
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.36	-5.82	-47.37

	NAAQS		General	Emissio	n Changes by /	Alternative (tor	ns per year)c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-16.03	-65.01	-515.56
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-9.08	-38.81	-315.94
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.59	-2.51	-20.43
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-15.37	-52.99	-382.10
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-72.18	-308.62	-2,512.13
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-132.48	-566.32	-4,609.58
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-341.97	-1,426.99	-11,480.07
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-344.55	-1,453.59	-11,756.77
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-8.54	-36.35	-295.15
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.50	-14.94	-121.51
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-8.20	-34.87	-283.17
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-19.96	-83.55	-673.11
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-79.71	-340.51	-2,770.57
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-103.69	-441.22	-3,583.45
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-104.41	-446.39	-3,633.50
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-42.22	-180.45	-1,468.57
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-114.58	-486.56	-3,947.82
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-55.15	-235.67	-1,917.82
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-119.74	-506.63	-4,103.36
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-110.22	-467.96	-3,796.51
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.73	-3.14	-25.52
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-27.78	-117.09	-946.61

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-89.20	-380.49	-3,093.81
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-82.90	-353.62	-2,875.31
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.36	-14.31	-116.37
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.60	-15.00	-87.40
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.29	-2.08
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.27	0.02	4.69
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-42.30	-180.79	-1,471.36
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-34.46	-147.27	-1,198.61
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-380.09	-1,600.93	-12,938.34
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-373.82	-1,574.14	-12,720.24
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-24.10	-103.03	-838.69
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-21.10	-65.26	-434.72
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-195.76	-799.42	-6,362.00
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-150.49	-610.35	-4,840.29
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-195.42	-799.69	-6,370.85
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-84.67	-360.33	-2,926.60
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-230.32	-968.61	-7,822.13
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-10.11	-41.79	-334.68
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-230.89	-971.05	-7,842.04
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-0.01	-0.06	-0.46
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	-1.32	-5.63	-45.85
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.62	-2.66	-21.64

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.49	-2.10	-17.06
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.13	-21.18	-169.43
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.20	-0.47	30.69
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.16	-1.30
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-1.07	-3.40	-23.16
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-29.16	-123.22	-997.36
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.42	-9.19	-70.31
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-38.73	-163.29	-1,320.37
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.13	-43.30	-352.46
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-2.67	-11.12	-89.37
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-4.73	-19.93	-161.04
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.33	-1.39	-11.35
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.06	-8.82	-71.76
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.32	-1.35	-11.02
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.51	-36.29	-295.05
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.48	-2.05	-16.66
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.99	-1.37	-0.10
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.35	-10.05	-81.79
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-29.63	-126.65	-1,030.70
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.68	-2.90	-23.62
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.45

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.84	-7.89	-64.20
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.56	-6.67	-54.29
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.30	0.01	5.12
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-69.54	-297.06	-2,417.03
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-69.62	-297.37	-2,419.50
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-24.77	-76.79	-512.44
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.73	-1.66	-7.81
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.73	-1.64	-7.71
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-50.73	-216.23	-1,757.60
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-48.47	-206.95	-1,683.56
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.48	-2.05	-16.71
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.79	-3.37	-27.45
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.48	-2.05	-16.70
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	-0.96	-4.13
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.77	-3.28	-26.65
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.13	-0.55	-4.43
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-370.84	-1,497.48	-11,849.03
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-360.98	-1,456.51	-11,520.13
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.68	2.05	35.91
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.53	-6.56	-53.39
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.68	-7.18	-58.39
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.56	1.91	48.61

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-10.65	-45.55	-370.80
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-10.64	-45.49	-370.25
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-8.70	-37.20	-302.80
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-8.70	-37.20	-302.80
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-10.17	-43.48	-353.94
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.22	-8.34	-63.38
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-6.25	-8.01	7.19
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.14	-0.58	-4.74
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-27.15	-115.99	-943.72
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-2.71	-11.57	-94.13
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.19	-0.78	-6.31
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.30	-14.02	-113.74
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-7.54	-32.23	-262.32
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-7.81	-23.63	-154.55
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.14	-0.60	-4.85
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.09	-13.18	-107.16
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.22	-0.77	-5.68
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.24	-8.13	-60.50
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.84	-17.54	-97.49
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.53	-6.56	-53.36
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.46	-1.97	-16.01
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-7.63	-4.82	68.28
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-7.63	-4.82	68.28

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.88	-3.77	-30.68
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.56	-2.40	-19.57
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.38	-10.11	-82.07
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.38	-10.12	-82.16
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.71	-11.52	-93.57
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-37.56	-158.73	-1,284.78
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-45.98	-194.35	-1,573.43
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.07	-13.12	-106.80
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.12	-0.99
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-21.48	-82.64	-637.19
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-10.40	-44.40	-361.25
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.78	-7.59	-61.73
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-14.47	-52.77	-394.41
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.10	-0.44	-3.58
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.05	-0.22	-1.79
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.65	-2.78	-22.62
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.84	-7.86	-63.96
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.09	-4.67	-38.04
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-22.64	-96.70	-786.86
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-22.63	-96.68	-786.70
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.30
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-10.13	-43.32	-352.65

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-104.58	-447.09	-3,639.21	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-104.41	-446.39	-3,633.50	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.52	-6.47	-52.55	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-1.26	2.27	48.15	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-5.86	-25.05	-203.92	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-8.41	-27.70	-193.54	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.81	-2.85	-20.80	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.22	-0.96	-7.81	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.24	-26.68	-217.19	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.71	-7.01	26.88	
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.43	-10.40	-84.66	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-39.03	-138.86	-1,022.00	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-39.02	-138.82	-1,021.72	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-755.89	-3,200.67	-25,933.11	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-755.91	-3,200.72	-25,933.53	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-755.79	-3,200.08	-25,927.67	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-755.42	-3,198.50	-25,914.85	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-755.90	-3,200.55	-25,931.50	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-755.90	-3,200.55	-25,931.50	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-10.87	-46.25	-375.63	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-45.55	-194.73	-1,585.06	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.44	-18.98	-154.48	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-16.03	-54.45	-388.65
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-4.66	-4.07	28.21
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.91	-20.98	-170.76
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-2.74	-11.73	-95.44
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-7.64	-32.65	-265.79
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-216.06	-923.74	-7,519.23
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-22.44	-95.83	-779.62
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.85	-3.62	-29.46
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.85	-3.63	-29.55
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.20	-1.31	4.03
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.58	-19.60	-159.55
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-54.04	-229.89	-1,866.87
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-69.01	-293.49	-2,382.94
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.87	-3.71	-30.22
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.78	-3.33	-27.08
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.82	-3.51	-28.61
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-8.64	-36.64	-297.01
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-64.18	-274.38	-2,233.43
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-29.23	-124.99	-1,017.41
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-56.87	-243.16	-1,979.35
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-157.66	-663.11	-5,355.30

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-152.69	-641.85	-5,182.20
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.08	-17.13	-138.22
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-4.19	-17.62	-142.17
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.48	-57.61	-468.90
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.45	-14.68	-119.26
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.14	-0.59	-4.77
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.11	-4.77	-38.79
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.11	-0.47	-3.85
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.47	-6.26	-50.97
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.29	-1.23	-10.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.28	-1.21	-9.84
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.92	-3.95	-32.12
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.85	-3.65	-29.70
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.43	-6.13	-49.88
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-6.98	-29.71	-241.39
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.21	-0.35	-0.78
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.16	-17.77	-144.62
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.40	-1.69	-13.77
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.72	0.59	18.98
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-4.01	-17.14	-139.48
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-4.02	-17.19	-139.95
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.03	-4.39	-35.75
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-37.39	-159.87	-1,301.30

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.43	-0.16	5.17
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-15.63	-66.81	-543.86
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-327.93	-1,399.34	-11,380.11
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-592.94	-2,530.97	-20,586.20
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-606.21	-2,587.83	-21,049.35
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-593.20	-2,532.15	-20,595.93
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.16	-4.95	-40.27
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-87.16	-362.52	-2,911.77
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.14	-1.15
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.83	-16.36	-133.17
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.83	-16.36	-133.17
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.54	-6.49	-52.46
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-5.62	-23.67	-191.38
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-2.30	-9.85	-80.20
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.13	-9.09	-73.92
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.36
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.09	-0.35	-2.81
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.83	-20.63	-167.80
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.39	-10.13	-82.18

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-48.34	-190.82	-1,491.95
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-55.03	-233.62	-1,895.27
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-159.39	-656.10	-5,242.63
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-289.69	-1,211.56	-9,757.60
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-295.41	-1,192.32	-9,432.00
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-210.87	-901.57	-7,338.76
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-216.48	-925.56	-7,534.01
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-219.06	-936.59	-7,623.84
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.23	-0.52	-2.42
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.11	-0.46	-3.74
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.71	-7.32	-59.56
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-10.53	-45.00	-366.32
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.95	-5.37	-32.17
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-11.29	-47.55	-384.28
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-97.60	-381.58	-2,967.99
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-88.85	-347.53	-2,703.81
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.09	-0.37	-2.99
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.97	-4.14	-33.70
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-61.11	-260.66	-2,119.34
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.23	-0.99	-8.04
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.39	-14.50	-117.99
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-7.72	-33.02	-268.81

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-27.75	-116.54	-940.49
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.57	-2.46	-20.01
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-86.48	-369.66	-3,008.69
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.24	3.55	63.17
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-17.19	-73.38	-596.92
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-11.94	-51.05	-415.55
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.20	-5.12	-41.68
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-24.69	-105.56	-859.18
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-24.69	-105.56	-859.17
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-28.40	-121.43	-988.36
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-752.40	-3,185.59	-25,809.79
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.09	-0.40	-3.23
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-3.13	-4.94	-7.54
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.00	2.74	49.52
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-68.20	-257.06	-1,958.91
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-114.49	-454.12	-3,559.70
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-114.48	-454.07	-3,559.28
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-74.42	-312.62	-2,523.17
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-111.92	-443.16	-3,470.56
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-11.60	-49.58	-403.55
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-12.71	-44.23	-320.98
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-92.31	-384.53	-3,090.93

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-56.09	-229.67	-1,830.39
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-56.11	-229.78	-1,831.24
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-95.14	-402.51	-3,260.03
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-27.37	-89.10	-617.28
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-161.92	-692.09	-5,632.89
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-161.67	-691.01	-5,624.11
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-161.65	-690.93	-5,623.45
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-333.48	-1,391.41	-11,193.17
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-333.07	-1,389.68	-11,179.08
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-334.01	-1,393.70	-11,211.79
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-315.14	-1,313.04	-10,555.39
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-201.06	-801.45	-6,298.80
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-201.06	-801.45	-6,298.81
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-201.06	-801.46	-6,298.91
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-201.05	-801.41	-6,298.49
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-201.05	-801.41	-6,298.49
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.88	-2.05	-9.95
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.88	-2.05	-9.95
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.85	-3.63	-29.54
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.63	-2.24	-16.43
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.09	-0.77
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-1.17	-5.01	-40.76

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-13.33	-56.96	-463.63
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-141.79	-605.76	-4,929.09
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.30	-14.12	-114.92
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.03	-4.29	-34.45
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-3.00	-12.83	-104.45
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.07	-4.56	-37.08
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.57	-6.69	-54.49
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.59	-2.52	-20.49
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-27.75	-116.53	-940.44
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.44	-1.21	-7.14
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-16.28	-69.53	-565.72
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-16.15	-68.99	-561.29
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-6.48	-27.69	-225.38
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-3.78	0.65	70.37
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-2.68	-11.41	-92.60
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	-1.88	-15.28
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-45.77	-179.82	-1,402.30
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-140.20	-564.80	-4,463.58
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-143.40	-595.06	-4,774.13
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.09	-7.59	-40.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.08	-17.93	-131.28
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-17.92	-76.43	-621.43

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.39	-5.92	-48.11
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.18
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-23.07	-98.52	-801.45
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-24.83	-105.68	-858.45
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.96	-4.11	-33.40
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.21	-13.54	-109.50
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-5.12	-21.87	-178.03
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.19	-0.80	-6.51
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.36	0.57	12.76
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-3.91	-16.72	-136.14
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.18	0.38	7.60
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-36.29	-155.16	-1,262.96
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.57	-10.97	-89.26
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.11
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.01	0.11
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-3.90	-6.74	-16.38
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.41	-1.75	-14.25
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-2.18	-2.71	3.57
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-28.57	-115.46	-914.04
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-14.96	-63.89	-519.85
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-40.66	-145.60	-1,075.97

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-40.61	-145.38	-1,074.17
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.72	-2.88	-22.70
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-6.51	-26.36	-208.91
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.17	-0.71	-5.74
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.54	-10.86	-88.42
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-1.33	-5.70	-46.39
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.29	3.15	59.11
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-1.67	1.59	46.81
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.82	1.01	42.20
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-32.19	-137.61	-1,120.16
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-252.00	-1,076.82	-8,762.98
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-252.12	-1,077.37	-8,767.61
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-12.06	-51.54	-419.56
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.83	-10.72	-81.94
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-3.16	-13.51	-109.99
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.74	-3.17	-25.82
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.56	-2.38	-19.36
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.77	2.47	42.28
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-23.33	-99.74	-811.92
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-10.15	-43.41	-353.35
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-4.76	-20.37	-165.79
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.64	-6.99	-56.93

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-8.16	-34.79	-282.92	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-5.53	-23.63	-192.33	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-8.58	-36.70	-298.70	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-55. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acetaldehyde, 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.16
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.75
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.36
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.38
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.05
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.23
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.03	-0.05	-0.26
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.05
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.09	-0.49
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.26	-0.43	-2.46
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.20	-0.33	-1.91

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.21
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.13	-0.21	-1.20
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.13	-0.21	-1.21
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.42
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.09
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.10	-0.56
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.16
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.30
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.07
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.14
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.08
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.03	-0.16
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.11	-0.62
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.12	-0.20	-1.15
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.31	-0.50	-2.92
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.31	-0.51	-2.96
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.07
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.17
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.07	-0.12	-0.69
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.10	-0.15	-0.89
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.10	-0.15	-0.89
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.37
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.99
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.48
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.11	-0.18	-1.04
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.10	-0.16	-0.95
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.24

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.08	-0.13	-0.77		
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.08	-0.12	-0.72		
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03		
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04		
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.37		
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.05	-0.30		
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.38	-0.61	-3.52		
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.37	-0.60	-3.47		
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.04	-0.21		
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.15		
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.18	-0.29	-1.69		
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.14	-0.22	-1.30		
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.18	-0.29	-1.68		
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.08	-0.13	-0.73		
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.21	-0.34	-1.98		
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.09		
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.21	-0.34	-1.99		
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00		
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01		
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.26
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.06	-0.35
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.08
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.03
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.07
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.04	-0.25
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.06	-0.10	-0.60
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.06	-0.10	-0.60
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.22
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.44
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.42
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.36	-0.59	-3.38
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.35	-0.57	-3.29
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.09
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.09
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.09
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.06
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.04	-0.24
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.02
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.07
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.04
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.06	-0.32
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.40
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.18
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.09
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.12
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.20
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.20
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.10	-0.15	-0.89		
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.10	-0.15	-0.89		
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00		
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05		
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.06		
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05		
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.07		
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.06	-0.32		
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.06	-0.32		
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.69	-1.12	-6.49		
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.69	-1.12	-6.49		
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.69	-1.12	-6.49		
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.69	-1.12	-6.49		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.69	-1.12	-6.49		
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.69	-1.12	-6.49		
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.09		
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.39		
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.12
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.07
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.20	-0.32	-1.86
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.20
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.47
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.06	-0.10	-0.60
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.07
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.55
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.25
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.09	-0.49
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.23	-1.35

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.14	-0.23	-1.31
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.12
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.06
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.03
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.04
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.06	-0.32

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.14		
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.30	-0.49	-2.84		
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.55	-0.89	-5.13		
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.56	-0.91	-5.25		
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.55	-0.89	-5.14		
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.74		
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03		
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03		
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05		
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02		
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04		
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02		

	NAAQS		General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.40		
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.08	-0.47		
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.23	-1.35		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.26	-0.43	-2.48		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.26	-0.43	-2.48		
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.19	-0.31	-1.82		
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.20	-0.32	-1.87		
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.20	-0.33	-1.89		
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02		
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.09		
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.10		
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.09	-0.15	-0.85		
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.78		
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01		
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.09	-0.52		
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03		
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.01	-0.07		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.04	-0.24
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.13	-0.75
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.15
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.10
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.04	-0.21
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.04	-0.21
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.04	-0.25
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.69	-1.12	-6.46
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.57
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.10	-0.17	-0.97
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.10	-0.17	-0.97
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.63
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.16	-0.94
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.10
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.10
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.13	-0.77

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.48
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.05	-0.08	-0.48
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.83
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.23
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.15	-0.24	-1.40
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.15	-0.24	-1.40
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.24	-1.40
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.30	-0.49	-2.86
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.30	-0.49	-2.86
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.30	-0.50	-2.86
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.29	-0.47	-2.69
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.18	-0.29	-1.69
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.18	-0.29	-1.69
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.18	-0.29	-1.69
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.18	-0.29	-1.69
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.18	-0.29	-1.69
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.12
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.13	-0.21	-1.22
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.03
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.24
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.14
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.14
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.06
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.38
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.13	-0.20	-1.18
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.13	-0.21	-1.22
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.06
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.15

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.20
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.21
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.31
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.24
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.13
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.06	-0.33

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.06	-0.33
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.06
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.28
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.23	-0.38	-2.18
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.23	-0.38	-2.18
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.10
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.20
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.09
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.05	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-56. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acetaldehyde, 2050

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.26		
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.16	-1.23		
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.59		
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05		
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05		
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.62		
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.08		
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.38		
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.05	-0.43		
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03		
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.09		
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.10	-0.81		
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.02		
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.08	-0.51	-4.03		
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.06	-0.40	-3.13		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.35
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.04	-0.25	-1.98
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.04	-0.25	-1.99
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.08	-0.67
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.15
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.12	-0.92
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.26
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.49
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.12
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.23
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.13
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.25
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.13	-1.03
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.24	-1.89
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.10	-0.61	-4.80
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.10	-0.62	-4.86
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.12
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.12
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.28
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.14	-1.13
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.19	-1.47
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.03	-0.19	-1.48
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.08	-0.60
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.21	-1.62
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.10	-0.78
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.22	-1.70
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.20	-1.56
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.39

	NAAQS		General	eneral Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.16	-1.27		
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.15	-1.18		
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05		
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06		
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.60		
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.06	-0.49		
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.11	-0.72	-5.72		
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.71	-5.63		
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.34		
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.25		
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.35	-2.77		
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.27	-2.13		
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.06	-0.35	-2.76		
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.15	-1.20		
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-0.41	-3.26		
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.14		
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.41	-3.26		
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00		
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.02		
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.07
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.42
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.07	-0.57
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.14
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.04
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.07
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.12
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.05	-0.42
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.13	-0.99	
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.02	-0.13	-0.99	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.35	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.09	-0.72	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.09	-0.69	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.11	-0.69	-5.48	
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.67	-5.33	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.04	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.15		
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.15		
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.12		
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.12		
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.14		
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04		
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.09		
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.05	-0.39		
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.04		
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.05		
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11		
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.11		
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04		
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03		
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.10		
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.06		
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.06		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.04
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.53
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.08	-0.65
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.29
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.15
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.19
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.04	-0.32
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.32
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.14

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.19	-1.49
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.19	-1.48
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.10
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.09
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.11
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.06	-0.51
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.06	-0.51
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.22	-1.36	-10.70
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.22	-1.36	-10.70
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.22	-1.36	-10.70
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.22	-1.36	-10.70
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.22	-1.36	-10.70
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.22	-1.36	-10.70
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.16
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.65
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.20
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.07
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.04
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.11
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.06	-0.39	-3.07
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.32
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.07
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.10	-0.77
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.12	-0.98
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.12
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.12	-0.91
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.05	-0.42
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.10	-0.81
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.28	-2.22

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.27	-2.15
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.06
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.19
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.10
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.06
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.06
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.53

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.22
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.59	-4.66
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.17	-1.07	-8.43
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.18	-1.10	-8.62
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.17	-1.07	-8.43
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.16	-1.22
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.08
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.03
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.07
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.08	-0.66
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.10	-0.78
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.28	-2.22
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.08	-0.52	-4.07
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-0.52	-4.07
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.38	-3.00
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.39	-3.08
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.40	-3.11
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.15
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.16
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.03	-0.18	-1.39
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.16	-1.26
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.11	-0.87
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.11

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.05	-0.39
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.16	-1.23
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.24
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.17
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.35
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.35
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.05	-0.40
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.22	-1.35	-10.65
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.06
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.12	-0.93
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.20	-1.58
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.20	-1.58
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.13	-1.05
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.20	-1.55
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.16
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.17
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.16	-1.30

	NAAQS		General	Emission	n Changes by A	s by Alternative (tons per year)		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.10	-0.78	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.02	-0.10	-0.78	
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.17	-1.36	
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.35	
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.05	-0.29	-2.30	
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.05	-0.29	-2.30	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.29	-2.30	
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.10	-0.60	-4.70	
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.10	-0.60	-4.69	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.60	-4.70	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.56	-4.44	
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.06	-0.35	-2.78	
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.06	-0.35	-2.78	
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.06	-0.35	-2.78	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.35	-2.78	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.06	-0.35	-2.78	
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.19
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.26	-2.01
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.01	-0.04
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.39
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.23
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.03	-0.23
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.06
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.04
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.08	-0.62
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.25	-1.93
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.25	-2.01
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.09
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.25

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.33
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.35
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.05
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.52
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.04
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.40
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.21
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.07	-0.53

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.07	-0.53
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.09
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.04
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.02
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.46
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.07	-0.46	-3.58
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.07	-0.46	-3.58
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.17
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.33
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.14
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.12	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.08	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.12	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-57. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.02	-0.03	-0.16
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.12

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.01	-0.01	-0.08
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.01	-0.01	-0.08
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.03
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.04
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.07
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.18
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.02	-0.03	-0.19
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.06
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.06
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.06
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.07
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.06
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.05
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.05
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.04	-0.24
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.24
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.10
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.08
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.10
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.12
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.13
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.02
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.04		
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.04		
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03		
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03		
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00		
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.04	-0.21		
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.20		
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.06
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.06
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.41
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.04	-0.07	-0.41
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.04	-0.07	-0.41
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.04	-0.07	-0.41
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.07	-0.41
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.04	-0.07	-0.41
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.12
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.08

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.08
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.03	-0.18		
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.06	-0.32		
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.06	-0.33		
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.32		
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05		
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.03
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.16
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.15
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.11
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.12
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.12
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.06
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.05
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.40
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.01	-0.06
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.01	-0.06
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.06
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.05

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.03
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.05
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.09
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.09
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.09
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.18
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.18
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.18
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.17
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.11
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.02	-0.11
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.02	-0.11
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.11
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.11
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.01	-0.08
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.08
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02		
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00		
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00		
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02		
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.01	-0.02	-0.14		
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.14		
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01		
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01		
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-58. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.04
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.03
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.03	-0.27
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.21

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.02	-0.13
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.02	-0.13
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.06
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.02
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.07
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.12
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.31
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.01	-0.04	-0.31
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.07
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.09
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.10
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.04
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.10
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.11
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.10
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.08
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.08
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.05	-0.40
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.40
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.17
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.13
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.17
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.08
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.21
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.21
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)°
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.04
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.03
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.06	
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	-0.01	-0.06	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.35	
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.34	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.03
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.10	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.10	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.03	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.03	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.09	-0.69	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.01	-0.09	-0.69	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.09	-0.69	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.01	-0.09	-0.69	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.09	-0.69	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.01	-0.09	-0.69	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.03	-0.20
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.06
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.05
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.14

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.14
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.04	-0.30
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.07	-0.54
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.07	-0.55
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.54
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.08
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.05
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.14
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.26
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.26
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.19
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.20
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.20
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.10
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.09
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.06
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.03
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.08
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.03
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.09	-0.68
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.10
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.10
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.07
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.10
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.08

	NAAQS	General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05	
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.05	
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.09	
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02	
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.15	
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.15	
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.15	
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.04	-0.30	
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.04	-0.30	
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.30	
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.28	
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.18	
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.18	
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	0.00	-0.02	-0.18	
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.18	
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	-0.02	-0.18	
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01		
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.13		
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00		
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03		
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01		
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04		
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.12		
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.13		
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.01		
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.03
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.03	-0.23
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.03	-0.23
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-59. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.23	-0.38	-2.13
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.43	-0.71	-4.02
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.25	-1.41
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.11
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.15
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.24	-0.39	-2.21
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.11	-0.17	-0.98
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.86
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.10	-0.17	-0.97
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.11
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.05
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.05	-0.28
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.16	-0.26	-1.51
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.02	-0.09
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.89	-1.45	-8.25
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.69	-1.13	-6.44

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.05
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.07	-0.12	-0.67
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.40	-0.65	-3.72
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.40	-0.66	-3.74
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.19	-0.32	-1.80
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.03
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.31
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.30
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.11
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.39	-2.24
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-0.38	-2.13
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.18	-1.04
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.12
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.25
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.06
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.06
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.10	-0.54
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.04	-0.24
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.10	-0.59
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.22	-0.36	-2.04
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.40	-0.66	-3.75
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.03	-1.68	-9.56
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-1.10	-1.79	-10.22
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.25
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.10
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.24
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.74
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.23	-0.38	-2.17
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.34	-0.55	-3.14
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.32	-0.52	-2.97
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	-0.26	-1.50
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.40	-0.66	-3.73
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.20	-0.33	-1.89
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.42	-0.68	-3.90
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.39	-0.63	-3.58
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.25	-1.41

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.29	-0.47	-2.68
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.27	-0.44	-2.48
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.10
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.23
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.16	-0.26	-1.50
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.13	-0.22	-1.22
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.21	-1.97	-11.25
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.19	-1.94	-11.07
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.13	-0.75
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.86
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.04	-1.70	-9.60
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.81	-1.32	-7.49
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.03	-1.69	-9.56
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.27	-0.44	-2.53
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.74	-1.20	-6.86
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.30
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.74	-1.21	-6.88
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.04
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.20
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.12
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.10	-0.16	-0.90
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.09
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.11	-0.18	-1.05
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.30
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.06
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.11
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.38
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.13
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.09	-0.14	-0.80
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.05
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.22	-0.35	-2.01
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.22	-0.35	-2.01
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.11	-0.18	-0.99
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.05
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.16	-0.26	-1.46
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.25	-1.40
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.45	-2.37	-13.46
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.42	-2.31	-13.14
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.04	-0.25
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.06
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.17

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.31
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.05	-0.31
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.24
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.24
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.03	-0.05	-0.29
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.05	-0.08	-0.44
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.09	-0.14	-0.80
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.01	-0.08
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.10
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.22
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.03	-0.05	-0.29
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.09
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.10
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.37
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.04	-0.20
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.04	-0.20

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.06
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.13	-0.20	-1.16
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.25	-1.40
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.08
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.12	-0.70
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.05	-0.31
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.05
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.09	-0.49
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.05
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.07	-0.12	-0.68
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.12	-0.68
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.30

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.32	-0.52	-2.98
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.32	-0.52	-2.97
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.02	-0.12
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.18
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.05	-0.28
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.22
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.21
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.07
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.12	-0.19	-1.10
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.12	-0.19	-1.10
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-2.21	-3.59	-20.49
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-2.21	-3.59	-20.49
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-2.21	-3.59	-20.49
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-2.21	-3.59	-20.48
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-2.21	-3.59	-20.49
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-2.21	-3.59	-20.49
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.06	-0.35
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.13	-0.21	-1.20
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.09	-0.53
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.25
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.13
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.08
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.02	-0.04	-0.21
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.62	-1.01	-5.77
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.12	-0.66
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.08	-0.13	-0.74
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.14
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.29	-1.63
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.23	-0.37	-2.10
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.04	-0.23
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.22	-0.36	-2.05
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.10	-0.17	-0.95
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.20	-0.32	-1.82
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.52	-0.85	-4.85

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.51	-0.83	-4.72
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.16
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.17
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.39
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.20
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.11
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.16
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.11
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.11
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-0.21	-1.17

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.55
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.08	-1.75	-10.00
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.90	-3.09	-17.63
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.94	-3.17	-18.05
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.92	-3.13	-17.84
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.30	-0.48	-2.75
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.11
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.11
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.17
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.01	-0.07
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.06
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.13
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.07

	NAAQS		General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.19	-0.32	-1.80		
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.17	-0.28	-1.57		
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.90	-5.12		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.94	-1.54	-8.75		
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.92	-1.50	-8.54		
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.61	-0.99	-5.64		
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.62	-1.01	-5.79		
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.63	-1.03	-5.86		
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.05		
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.05	-0.27		
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07		
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.40		
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.52	-0.86	-4.84		
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.49	-0.79	-4.50		
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00		
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.03		
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-0.36	-2.06		
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.36		
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.04	-0.22		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.09	-0.14	-0.81
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.42	-2.41
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.06	-0.09	-0.51
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.35
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-0.12	-0.66
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-0.12	-0.66
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.08	-0.13	-0.76
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-2.20	-3.57	-20.40
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.11
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.07	-0.41
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.19	-0.31	-1.79
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.33	-0.54	-3.07
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.33	-0.54	-3.07
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-0.35	-2.02
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.32	-0.52	-2.99
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.06	-0.35
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.07	-0.41
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.31	-0.51	-2.88

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.19	-0.31	-1.77
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.19	-0.31	-1.77
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.31	-0.51	-2.92
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.81
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.47	-0.77	-4.38
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.47	-0.77	-4.38
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-0.77	-4.37
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.97	-1.57	-8.96
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.96	-1.57	-8.95
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.97	-1.57	-8.98
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.91	-1.48	-8.44
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.60	-0.98	-5.61
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.60	-0.98	-5.61
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.60	-0.98	-5.61
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.60	-0.98	-5.61
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.60	-0.98	-5.61
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.04	-0.06	-0.36
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.50	-0.82	-4.64
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.10
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.02	-0.09
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.09	-0.14	-0.81
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.51
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.05	-0.09	-0.51
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.18
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.06	-0.09	-0.51
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.08
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.25	-1.41
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.50	-0.81	-4.60
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.49	-0.81	-4.58
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.09	-0.16	-0.88
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.06	-0.32
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.09	-0.50

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.12	-0.66
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.81
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.09
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.15
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.11
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.11	-0.18	-1.00
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.07
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.07
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.09
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.82
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.46
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.12	-0.19	-1.10

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.12	-0.19	-1.10
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.18
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.07
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.04
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.09
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.12
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.14
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.16	-0.91
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.75	-1.23	-6.99
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.74	-1.20	-6.86
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.04	-0.06	-0.35
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.08
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.05
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.63
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.27
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.15
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.05

	NAAQS		General	Emission Changes by Alternative (tons per year				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.23	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.15	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.24	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-60. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2050

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.05	-0.37	-3.19
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.13	-0.81	-6.56
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.31	-2.44
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.19
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.25
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.07	-0.44	-3.58
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.16	-1.42
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.19	-1.51
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.04	-0.22	-1.70
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.16
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.10
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.06	-0.47
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.36	-2.77
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.01	-0.13
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.35	-1.90	-14.72
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.27	-1.48	-11.47

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.10
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.16	-1.23
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.17	-0.89	-6.78
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.17	-0.89	-6.82
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.06	-0.37	-2.98
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.05
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.06
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.55
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.48
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.16
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.08	-0.49	-3.86
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.37	-3.19
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.24	-1.86
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.17
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.44
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.10
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.10
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.07

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.12	-0.93
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.06	-0.45
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.12	-0.98
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.09	-0.48	-3.68
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.16	-0.88	-6.78
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.41	-2.23	-17.21
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.43	-2.35	-18.18
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.44
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.18
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.43
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.16	-1.26
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.10	-0.51	-3.95
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.13	-0.72	-5.57
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.13	-0.70	-5.39
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.33	-2.57
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.15	-0.83	-6.51
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.07	-0.42	-3.27
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.15	-0.87	-6.80
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.14	-0.80	-6.25
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.04
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.28	-2.31

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.11	-0.61	-4.76
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.10	-0.57	-4.41
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.18
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.36
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.33	-2.58
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.05	-0.27	-2.10
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.47	-2.58	-20.01
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.46	-2.54	-19.70
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.17	-1.32
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.17	-1.40
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.30	-1.92	-15.61
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.23	-1.49	-12.17
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.30	-1.92	-15.58
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.11	-0.58	-4.51
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.29	-1.57	-12.18
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.07	-0.53
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.29	-1.58	-12.21
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	-0.01	-0.07
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)°
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.03
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.36
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.19
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.06
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.04	-0.20	-1.59
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.16
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.05	-0.25	-1.91
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.56
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.16
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.03	-0.27
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.15
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.08	-0.64
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.19
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.15
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.19	-1.49
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.09
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.09
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.09	-0.47	-3.60
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.09	-0.47	-3.61
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.20	-1.62
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.08
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.34	-2.61
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.33	-2.51
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.02
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.49	-2.89	-22.90
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.48	-2.82	-22.35
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.04	-0.35
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.08
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.11
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.25

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.56
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.07	-0.56
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.45
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.45
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.07	-0.53
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.12
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.08	-0.65
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.18	-1.42
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.14
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.17
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.41
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.06	-0.48
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.16
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.16
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.58
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.04	-0.31
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.04	-0.31

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.13
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.13
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.14
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.05	-0.26	-2.05
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.32	-2.48
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.15
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.15	-1.21
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.07	-0.54
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.09
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.11	-0.84
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.09
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.03	-0.16	-1.21
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.16	-1.21
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.56

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.13	-0.70	-5.40
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.13	-0.70	-5.39
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.02	-0.17
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.32
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.06	-0.48
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.11
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.38
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.34
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.13
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.24	-1.89
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.24	-1.89
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.91	-4.86	-37.32
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.91	-4.86	-37.32
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.91	-4.86	-37.32
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.91	-4.86	-37.30
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.91	-4.86	-37.32
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.91	-4.86	-37.32
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.08	-0.61
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.29	-2.20
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.23

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.11	-0.90
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.38
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.25
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.02	-0.14
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.05	-0.39
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.26	-1.38	-10.58
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.15	-1.18
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.12	-1.04
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.25
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.37	-2.89
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.09	-0.48	-3.72
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.06	-0.43
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-0.46	-3.60
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.21	-1.66
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.41	-3.19
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-1.10	-8.56

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.19	-1.07	-8.32
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.30
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.30
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.09	-0.71
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.17
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.08
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.05
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.08
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.36
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.21
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.22
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.20
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.20
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.26	-2.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.12	-0.95
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.41	-2.28	-17.70
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.74	-4.05	-31.38
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.76	-4.15	-32.11
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.74	-4.09	-31.67
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.62	-4.86
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.21
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.21
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.30
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.13
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.11
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.24
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.13

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.38	-3.05
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.37	-2.82
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.20	-1.14	-8.93
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.36	-1.99	-15.49
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.36	-1.96	-15.20
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.25	-1.35	-10.32
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.26	-1.38	-10.60
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.26	-1.40	-10.72
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.09
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.07	-0.51
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.09	-0.68
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.15	-0.96	-7.83
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.89	-7.24
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.05
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.46	-3.59
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.07	-0.56
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.05	-0.41

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.19	-1.45
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.57	-4.35
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.12	-0.91
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.08	-0.65
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.07
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.16	-1.20
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.16	-1.20
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.18	-1.38
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.91	-4.84	-37.15
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.17
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.57
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.42	-3.23
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.13	-0.72	-5.54
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.13	-0.72	-5.54
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.48	-3.68
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.70	-5.42
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.08	-0.63
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.09	-0.70
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.12	-0.66	-5.13

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.07	-0.40	-3.09
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.07	-0.40	-3.09
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.12	-0.66	-5.16
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.17	-1.31
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.20	-1.04	-7.97
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.20	-1.04	-7.96
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-1.04	-7.96
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.40	-2.12	-16.28
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.40	-2.12	-16.26
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.40	-2.13	-16.31
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.38	-2.00	-15.37
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.24	-1.30	-10.06
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.24	-1.30	-10.06
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.24	-1.30	-10.06
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.24	-1.30	-10.06
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.24	-1.30	-10.06
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.09	-0.65
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.18	-1.04	-8.14
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.18
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	-0.02	-0.16
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.12
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.09
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.19	-1.45
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.12	-0.91
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.12	-0.90
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.32
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.08	-0.73
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.14
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.06	-0.32	-2.47
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.18	-1.02	-7.97
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.18	-1.03	-8.01
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.14	-1.26
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.06	-0.50
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.12	-0.91

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.07
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.15	-1.19
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.18	-1.42
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.16
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.27
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.19
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.24	-1.85
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.13
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.14
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.13
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.19	-1.47
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.11	-0.82
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.05	-0.25	-1.96

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.05	-0.25	-1.96
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.32
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.13
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.06
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.13
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.18
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.21
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.21	-1.64
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.31	-1.65	-12.64
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.31	-1.62	-12.46
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.02	-0.08	-0.65
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.14
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.16
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.04
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.07
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.15	-1.15
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.07	-0.51
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.28
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09

	NAAQS		Emission Changes by Alternative (tons per year				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.41
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.04	-0.28
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.44

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-61. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—1,3-Butadiene, 2035

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07		
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.31		
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.16		
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01		
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.16		
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02		
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.10		
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.11		
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01		
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02		
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.04	-0.21		
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00		
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.11	-0.18	-1.05		
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.09	-0.14	-0.81		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.09
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.05	-0.09	-0.52
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.06	-0.09	-0.52
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.03	-0.16
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.04	-0.24
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.07
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.13
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.06
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.03
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.05
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.27
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.05	-0.08	-0.49
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.13	-0.22	-1.26
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.13	-0.22	-1.28
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.03
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.05	-0.30
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.39
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.39
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.16
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.43
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.21
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.05	-0.08	-0.45
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.07	-0.41
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.10

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.06	-0.33
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.05	-0.31
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.16
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.13
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.15	-0.24	-1.41
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.15	-0.24	-1.39
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.09
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-0.12	-0.71
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.06	-0.09	-0.54
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-0.12	-0.71
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.32
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.09	-0.15	-0.85
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.04
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.09	-0.15	-0.86
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.11
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.14
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.02	-0.11
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.04	-0.26	
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.04	-0.26	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.08	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.19	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.18	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00	
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.15	-0.24	-1.39	
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.14	-0.23	-1.36	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.10
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.14
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.17
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.08
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.08
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.07	-0.39	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.39	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.02	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.14	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.14	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.30	-0.48	-2.80	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.30	-0.48	-2.80	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.29	-0.48	-2.80	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.29	-0.48	-2.80	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.29	-0.48	-2.80	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.29	-0.48	-2.80	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.04	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.17	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.05
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.03
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.08	-0.14	-0.81
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.08
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.20
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.04	-0.26
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.24
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.11
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.04	-0.21
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.58

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.10	-0.57
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.05
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.14

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.06
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.13	-0.21	-1.22
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.23	-0.38	-2.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.39	-2.26
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.23	-0.38	-2.22
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.32
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.17
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.04	-0.20
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.58
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.11	-0.18	-1.07
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.18	-1.07
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.08	-0.14	-0.79
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.81
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.82
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.04	-0.06	-0.35
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.32
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.23
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.03

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.10
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.06	-0.32
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.06
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.09
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.09
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.11
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.29	-0.48	-2.79
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.24
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.07	-0.41
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.04	-0.07	-0.41
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.27
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.40
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.06	-0.33

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.20
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.02	-0.04	-0.21
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.35
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.10
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.06	-0.10	-0.61
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.06	-0.10	-0.60
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.10	-0.60
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.13	-0.21	-1.23
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.13	-0.21	-1.23
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.21	-1.23
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.20	-1.16
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.08	-0.12	-0.72
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.08	-0.12	-0.72
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.08	-0.12	-0.72
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.12	-0.72
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.08	-0.12	-0.72
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.05		
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.09	-0.53		
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01		
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.10		
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.06		
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.06		
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02		
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.16		
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.09	-0.51		
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.06	-0.09	-0.53		
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01		
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.02		
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.07		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.09
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.13
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.10
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.06
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.14

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.14
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.12
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.10	-0.16	-0.94
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.10	-0.16	-0.94
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.04
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.09
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-62. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—1,3-Butadiene, 2050

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14			
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11			
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.49			
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00			
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.25			
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02			
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02			
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.25			
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03			
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.16			
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.18			
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00			
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01			
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.04			
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.04	-0.34			
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01			
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00			
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00			
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.03	-0.21	-1.67			
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.16	-1.29			

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.14
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.02	-0.10	-0.83
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.02	-0.10	-0.83
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.25
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.05	-0.38
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.11
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.21
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.05
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.09
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.05
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.08
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.43
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.10	-0.79
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.25	-2.01
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.04	-0.26	-2.04
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.05
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.12
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.06	-0.47
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.08	-0.62
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.08	-0.62
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.25
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.09	-0.68
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.33
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.09	-0.71
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.08	-0.65
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.16

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.07	-0.53
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.06	-0.49
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.25
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.21
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.28	-2.25
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.28	-2.21
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.14
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.14	-1.14
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.11	-0.87
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.14	-1.14
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.06	-0.50
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.17	-1.36
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.01	-0.06
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.17	-1.36
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	lternative (tor	ons per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.17
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.03	-0.23
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.03
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.18
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.05	-0.41
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.01	-0.05	-0.41
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.12
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.30
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.29
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.28	-2.21
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.27	-2.15
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.06
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.16
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.02
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.04
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.03	-0.22
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.27
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.12
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.06
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.13
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.13
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.08	-0.62	
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.62	
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	-0.01	
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.03	
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04	
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04	
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02	
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.21	
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.21	
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.09	-0.56	-4.48	
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.09	-0.56	-4.48	
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.09	-0.56	-4.48	
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.09	-0.56	-4.47	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.09	-0.56	-4.48	
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.09	-0.56	-4.48	
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.06	
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.27	
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.08
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.05
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.16	-1.29
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.13
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.32
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.05	-0.41
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.38
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.17
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.04	-0.34
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.12	-0.93

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.11	-0.90
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.08
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.22

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year)°
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.25	-1.95
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.07	-0.44	-3.53
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.45	-3.61
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.07	-0.44	-3.53
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.51
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.28
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.04	-0.33
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.12	-0.93
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.21	-1.70
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.21	-1.70
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.16	-1.26
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.16	-1.29
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.16	-1.31
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.06
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.07
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.07	-0.55
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.50
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.36
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.05

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.16
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.51
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.10
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.07
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.15
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.02	-0.15
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.17
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.09	-0.56	-4.46
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.38
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.08	-0.65
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.08	-0.65
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.44
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.08	-0.64
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.07
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.07
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.07	-0.54

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.33
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.04	-0.33
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.56
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.14
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.12	-0.96
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.12	-0.96
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.12	-0.96
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.25	-1.96
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.04	-0.25	-1.96
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.25	-1.96
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.23	-1.85
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.02	-0.14	-1.15
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.02	-0.14	-1.15
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.02	-0.14	-1.15
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.14	-1.15
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.02	-0.14	-1.15
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.08
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.11	-0.84
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.02
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.16
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.10
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.10
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.04
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.03	-0.26
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.10	-0.81
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.11	-0.84
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	-0.03
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.11

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.14
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.15
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.03	-0.22
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.16
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.09
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.22

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.22
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.04
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.19
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.03	-0.19	-1.50
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.19	-1.50
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.07
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.14
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-63. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Diesel Particulate Matter (DPM), 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	s per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.08
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.88	-1.53	-7.04
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.07
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.17	-0.30	-1.39
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.14	-0.24	-1.12
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.08
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.08
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.62	-2.84	-13.07
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.05	-0.22
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.22
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.01
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.24	-0.41	-1.91
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.08	-0.13	-0.61
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.02	-0.04	-0.17
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.16

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.24	-0.43	-1.96
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.04	-0.07	-0.32
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.04	-0.07	-0.32
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-5.52	-9.64	-44.39
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.05
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.33	-2.33	-10.72
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-1.33	-2.33	-10.72
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.40	-0.70	-3.21
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.08
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.64	-2.86	-13.18
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.78	-1.36	-6.28
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.08	-0.13	-0.61
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.01
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-16.10	-28.15	-129.58
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-8.08	-14.12	-65.02
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.27	-0.48	-2.20
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.07
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.29	-0.50	-2.30
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.07	-0.12	-0.56
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.70	-1.21	-5.59
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.71	-1.24	-5.69
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.70	-1.21	-5.59
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.11

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.32
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.31
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-4.57	-7.98	-36.75
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.24	-0.42	-1.94
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.38	-0.66	-3.04
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.38	-0.66	-3.04
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-6.64	-11.61	-53.45
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.08	-3.64	-16.76
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.88	-1.53	-7.05
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.97	-1.70	-7.82
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.37	-0.64	-2.97
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-2.38	-4.15	-19.11
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.36	-0.64	-2.93
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.38	-4.15	-19.11
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.06	-0.28
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-4.57	-7.98	-36.75
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.24	-0.42	-1.94
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.70	-1.23	-5.65
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.70	-1.22	-5.63
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.40	-2.44	-11.25
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.06	-0.27
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.03	-0.06	-0.27
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.03
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.04	-0.18
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.10	-0.46
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00	
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00	
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.21	-0.36	-1.65	
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00	
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	0.00	
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.07	-3.62	-16.65	
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.11	-0.50	
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.06	-0.11	-0.50	
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02	
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00	
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.01	-0.06	
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.12	
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.12	
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-16.73	-29.24	-134.63	
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-16.71	-29.21	-134.50	
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.72	-1.26	-5.82	
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.07	-1.87	-8.61	

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.23	-0.40	-1.84
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.23	-0.40	-1.85
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.02
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.03	-0.05	-0.23
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.68	-1.19	-5.46
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.06	-0.11	-0.50
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.25	-1.14
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-5.94	-10.38	-47.78
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-5.94	-10.38	-47.78

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-4.57	-7.99	-36.78
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-4.57	-7.99	-36.77
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.04
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.04
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.07	-0.12	-0.56
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.07	-0.12	-0.56
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-1.33	-2.33	-10.72
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-3.48	-6.08	-27.98
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.25	-0.44	-2.01
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-5.93	-10.36	-47.70
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-5.93	-10.36	-47.70
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-5.98	-10.44	-48.05
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-5.98	-10.44	-48.05
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-5.98	-10.44	-48.07
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-5.98	-10.44	-48.07
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-5.98	-10.44	-48.07
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-5.98	-10.44	-48.07
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.00	-3.49	-16.06
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.63	-2.84	-13.09
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.02
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.19
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.19
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.05	-0.09	-0.40
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.65	-1.13	-5.21
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.65	-1.13	-5.22
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.01
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.48	-2.58	-11.89

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.48	-2.58	-11.89
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.14
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.19
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.19
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.16
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.24
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS	General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.07	-0.12	-0.57
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.20	-2.09	-9.64
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-1.24	-2.16	-9.95
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.23	-2.15	-9.88
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.25	-2.17	-9.98
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.91	-1.58	-7.30
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.03
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.20	-9.10	-41.89
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.96	-1.67	-7.69
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.73	-10.02	-46.12
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-6.69	-11.69	-53.81
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-15.27	-26.69	-122.87
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.01	0.02
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.02
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.02
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.35
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.46
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.08
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.59	-1.03	-4.75
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.96	-4.41
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.17
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.57	-0.99	-4.57
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-1.46	-2.55	-11.72
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-5.98	-10.44	-48.07
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.79	-1.39	-6.38
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.07	-0.13	-0.59
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-8.09	-14.15	-65.14
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-8.13	-14.21	-65.41
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-8.13	-14.21	-65.41
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.57	-1.00	-4.59
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-8.13	-14.21	-65.41
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.91	-1.59	-7.30
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.91	-1.58	-7.30

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.91	-1.59	-7.30
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.91	-1.59	-7.30
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-0.14	-0.63
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-5.93	-10.36	-47.70
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.02
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-8.17	-14.27	-65.72
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-8.17	-14.27	-65.72
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-8.17	-14.27	-65.72
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.19	-14.31	-65.86
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-13.73	-24.00	-110.50
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-13.73	-24.00	-110.50
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-13.73	-24.00	-110.50
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-13.73	-24.00	-110.50
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-13.73	-24.00	-110.50
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.33	-0.58	-2.69
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.33	-0.58	-2.69
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.23
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.07	-0.34
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.57	-0.99	-4.57
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.05
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.80	-3.15	-14.52
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.63	-2.85	-13.13
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-3.27	-5.72	-26.33
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.65	-2.88	-13.24
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.17	-0.30	-1.39
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.16	-0.27	-1.25
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.35
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.57	-0.99	-4.57
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.23	-0.40	-1.83
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.20
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.23	-0.40	-1.86
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.21	-0.37	-1.69
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.67	-1.16	-5.36
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-5.93	-10.37	-47.76

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-5.93	-10.37	-47.76
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.07
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.67	-1.16	-5.35
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.67	-1.17	-5.40
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.67	-1.18	-5.41
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	0.00	-0.01
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.36	-0.63	-2.92
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.72	-1.26	-5.80
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-64. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Diesel Particulate Matter (DPM), 2050

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.13		
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.53	-2.03	-11.17		
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.06		
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03		
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.11		
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.11	-0.40	-2.22		
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.11		
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.08	-0.32	-1.77		
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.13		
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.13		
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.99	-3.76	-20.71		
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00		
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.06	-0.35		
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.06	-0.35		
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.55	-3.03		
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.05	-0.18	-0.97		
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.01	-0.06	-0.31		
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.29		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.15	-0.57	-3.11
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.10	-0.53
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.10	-0.52
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-3.37	-12.78	-70.36
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.81	-3.08	-16.99
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.81	-3.08	-16.99
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.93	-5.10
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.13
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.00	-3.79	-20.88
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.48	-1.81	-9.95
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.17	-0.96
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.05
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-9.83	-37.30	-205.43
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-4.93	-18.72	-103.11
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.17	-0.63	-3.49
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.02	-0.13
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.18	-0.66	-3.66
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.04	-0.17	-0.91
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.42	-1.61	-8.88
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.43	-1.64	-9.04
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.42	-1.61	-8.87
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.19

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.09	-0.52
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.09	-0.50
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.79	-10.58	-58.25
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.15	-0.56	-3.07
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.23	-0.89	-4.88
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.23	-0.89	-4.88
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-4.05	-15.38	-84.71
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-1.27	-4.83	-26.60
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.54	-2.03	-11.20
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.60	-2.26	-12.45
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.23	-0.86	-4.72
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-1.45	-5.51	-30.32
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.22	-0.84	-4.64
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.45	-5.51	-30.32
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00	
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.08	-0.44	
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-2.79	-10.57	-58.24	
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00	
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.15	-0.56	-3.08	
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.43	-1.63	-8.95	
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	-1.62	-8.92	
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.85	-3.24	-17.84	
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.08	-0.42	
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.08	-0.42	
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04	
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.29	
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.04	-0.13	-0.73	
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	

	NAAQS		General	Emission Changes by Alternative (tons per year)					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00		
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.13	-0.48	-2.62		
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.01		
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	0.00	0.00	-0.01		
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.26	-4.79	-26.40		
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.14	-0.79		
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.04	-0.14	-0.79		
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04		
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00		
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.10		
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.20		
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.20		
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-10.21	-38.75	-213.44		
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-10.20	-38.72	-213.23		
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	-1.67	-9.22		
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.65	-2.48	-13.65		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.14	-0.53	-2.92
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.14	-0.53	-2.93
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.02	-0.07	-0.36
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.41	-1.57	-8.65
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.14	-0.79
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.33	-1.80
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-3.62	-13.75	-75.72
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-3.62	-13.75	-75.72

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-2.79	-10.59	-58.30
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-2.79	-10.58	-58.28
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.07
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.17	-0.91
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.17	-0.91
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.81	-3.08	-16.99
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	-2.12	-8.05	-44.34
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.11
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.58	-3.18
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-3.62	-13.73	-75.61
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-3.62	-13.73	-75.61
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-3.65	-13.85	-76.30
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-3.65	-13.85	-76.30
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-3.65	-13.86	-76.33
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-3.65	-13.86	-76.33
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-3.65	-13.86	-76.33
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-3.65	-13.86	-76.33
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.03
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-1.22	-4.62	-25.46
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.99	-3.77	-20.74
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	0.00
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.30
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.30
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.03	-0.11	-0.63
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.40	-1.50	-8.26
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.40	-1.51	-8.29
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	0.00	0.00
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.90	-3.43	-18.87

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.90	-3.43	-18.87
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.23
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.06	-0.30
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.30
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.25
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.07	-0.38
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.04	-0.16	-0.90
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.73	-2.78	-15.34
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.76	-2.88	-15.87
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.75	-2.86	-15.76
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.76	-2.89	-15.92
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.55	-2.10	-11.58
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.18	-12.06	-66.40
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.58	-2.22	-12.20
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.50	-13.28	-73.13
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-4.08	-15.49	-85.33
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-9.32	-35.37	-194.79
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.10	-0.56
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.03	-0.13	-0.73
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.14
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.36	-1.37	-7.55
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.34	-1.27	-7.00
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.28
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.35	-1.32	-7.25
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.89	-3.37	-18.58
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.02
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	-0.01
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-3.65	-13.86	-76.33
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.48	-1.84	-10.11
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.17	-0.94
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-4.94	-18.75	-103.25
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-4.96	-18.83	-103.68
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-4.96	-18.83	-103.68
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.35	-1.32	-7.28
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-4.96	-18.83	-103.69
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.55	-2.10	-11.57
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.55	-2.10	-11.58

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.55	-2.10	-11.58
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.55	-2.10	-11.58
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.18	-1.01
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-3.62	-13.73	-75.60
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.05
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.01	-0.05
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.05
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-4.99	-18.92	-104.22
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-4.99	-18.92	-104.22
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-4.99	-18.92	-104.22
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.00	-18.96	-104.45
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-8.38	-31.81	-175.17
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-8.38	-31.81	-175.17
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-8.38	-31.81	-175.17
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-8.38	-31.81	-175.17
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-8.38	-31.81	-175.17
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.20	-0.77	-4.27
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.20	-0.77	-4.27
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.07	-0.37
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00		
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.10	-0.56		
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04		
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	0.00		
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.35	-1.32	-7.25		
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.08		
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03		
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.03		
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-1.10	-4.18	-23.01		
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-1.00	-3.78	-20.82		
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-2.00	-7.58	-41.75		
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-1.01	-3.81	-21.00		
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.11	-0.40	-2.21		
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.09	-0.36	-1.98		
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.07		

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Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.10	-0.56
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.35	-1.32	-7.25
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.14	-0.53	-2.90
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.31
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.14	-0.54	-2.95
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.13	-0.49	-2.67
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.41	-1.54	-8.50
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-3.62	-13.75	-75.71

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-3.62	-13.75	-75.71
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.11
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.41	-1.54	-8.49
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.41	-1.55	-8.56
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.41	-1.56	-8.59
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	0.00	-0.01	-0.06
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.22	-0.84	-4.63
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.44	-1.67	-9.19
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-65. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2035

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.57
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.20
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.34
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.02	-0.14
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.13
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.14
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.03
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.27
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	-0.01	-0.02	-0.10
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.18	-0.29	-1.66
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.15	-0.24	-1.34

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.23
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.07	-0.12	-0.67
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.07	-0.12	-0.67
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.06	-0.10	-0.57
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.08
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.08	-0.43
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.02	-0.09
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.16
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.05
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.12
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.09	-0.50
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.04	-0.06	-0.34
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.07	-0.12	-0.67
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.18	-0.29	-1.63
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.18	-0.29	-1.65
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.05
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.09
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.07	-0.38
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.05	-0.09	-0.50
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.05	-0.09	-0.50
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.20
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.56
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.27
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.07	-0.11	-0.62
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.10	-0.54
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.13

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.05	-0.08	-0.45
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.05	-0.07	-0.42
Cook County; Lyons Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.12
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.20
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.03	-0.17
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.39	-0.63	-3.56
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.38	-0.63	-3.53
Dane County: Madison subcity area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.11
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.11
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.12	-0.19	-1.09
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.09	-0.15	-0.87
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.12	-0.19	-1.08
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.05	-0.09	-0.49
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.14	-0.22	-1.26
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.13
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.14	-0.22	-1.26
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.12
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.21
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.08
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.03	-0.06	-0.32
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.05
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.02
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.11
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.03	-0.14
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.33
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.04	-0.06	-0.33
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.03	-0.05	-0.28
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.25
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.23
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.30	-0.49	-2.74
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.28	-0.46	-2.58
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.04	-0.21
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.02	-0.03	-0.19

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.05
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.05
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.05
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.12
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.06	-0.34
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.16
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.02	-0.03	-0.16
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.23
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.02	-0.03	-0.18
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.02	-0.03	-0.18

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.03	-0.18
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.23
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.10
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.01	-0.05
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.12
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.12
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.05

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.05	-0.09	-0.50
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.09	-0.50
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.04
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.03
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.19
Lorain County, OH	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.06	-0.35
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.06	-0.35
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.43	-0.69	-3.89
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.43	-0.69	-3.89
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.43	-0.69	-3.89
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.43	-0.69	-3.89
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.43	-0.69	-3.89
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.43	-0.69	-3.89
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.01	-0.06
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.22
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.09
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.01
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.04
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.11	-0.18	-1.02
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.13
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.02	-0.03	-0.18
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.27
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.04	-0.06	-0.34
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.31
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.02	-0.02	-0.14
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.05	-0.27
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.13	-0.76

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.08	-0.13	-0.74
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.06
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.03
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.13
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.02
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.18

	NAAQS		General	Emission	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01		
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.07		
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.18	-0.29	-1.63		
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.32	-0.52	-2.92		
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.33	-0.53	-2.98		
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.32	-0.52	-2.92		
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.56		
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02		
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03		
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01		
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00		
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02		
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.25
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.05	-0.27
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.79
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.16	-0.25	-1.42
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.16	-0.25	-1.43
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.11	-0.18	-1.00
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.18	-1.03
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.18	-1.04
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.05
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.07
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.06
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.12	-0.20	-1.13
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.18	-1.01
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.29
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.03	-0.19
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.07	-0.41
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.09
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.05
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.12
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.02	-0.12
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.02	-0.02	-0.14
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.42	-0.69	-3.87
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.04	-0.07	-0.39
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.08	-0.13	-0.75
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.11	-0.17	-0.97
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.11	-0.17	-0.97
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.37
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.17	-0.96
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.05
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.20
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.10	-0.58

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.41
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.04	-0.07	-0.41
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.56
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.30
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.08	-0.14	-0.77
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.08	-0.14	-0.77
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.14	-0.77
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.22	-0.36	-2.01
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.22	-0.36	-2.01
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.22	-0.36	-2.02
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.21	-0.34	-1.92
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.17	-0.27	-1.53
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.17	-0.27	-1.53
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.17	-0.27	-1.53
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.17	-0.27	-1.53
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.17	-0.27	-1.53
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.13
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.13
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.06
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.07	-0.12	-0.67
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.01
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.19
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.08
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.08
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.03
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.03	-0.05	-0.29
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.04	-0.21
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.07	-0.12	-0.67
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.08	-0.12	-0.70
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.02	-0.12
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.03	-0.17
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.09

	NAAQS		General	Emission	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.15
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.12
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.01	-0.06
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.11
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.03	-0.17
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.04
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.06
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.20
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.07
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.34

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.04	-0.06	-0.34
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.01	-0.05
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.02	-0.09
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	-0.01	-0.02	-0.10
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.02	-0.10
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.15
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.13	-0.22	-1.22
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.13	-0.21	-1.20
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.06
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.09
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.11
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.01	-0.05
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.03	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.04	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

Table D-66. Changes in Emissions from U.S. Combined Passenger Cars, Light Trucks, and HDPUVs by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2050

	NAAQS		General	Emissio	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Ada County; Boise, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.16		
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.12	-0.95		
Ajo (Pima County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Albuquerque, NM	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.36		
Allegan County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.05		
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04		
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.56		
Allegheny County; Liberty, Lincoln, Port Vue, Glassport, Clairton, PA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Allegheny, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.20		
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.23		
Allentown-Bethlehem-Easton, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.26		
Alton Township, IL	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Amador County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02		
Anchorage, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.05		
Anchorage; Eagle River, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.49		
Archuleta County; Pagosa Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	-0.02	-0.15		
Aroostock County; City of Presque Isle, ME	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Atlanta, GA	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	-0.06	-0.37	-2.86		
Atlanta, GA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.05	-0.29	-2.29		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Atlantic City, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02
Bakersfield, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.37
Baltimore, MD	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Baltimore, MD	Ozone (2008 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.16	-1.20
Baltimore, MD	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.03	-0.16	-1.21
Baton Rouge, LA	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.10	-0.87
Beaver, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.13
Billings, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.04
Billings, MT	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.09	-0.73
Boise-Northern Ada County, ID	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.02	-0.16
Bonner County; The Sandpoint Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston, MA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.30
Boyd County (part), KY	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Brooke; Follansbee area, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Brown County: Green Bay, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Burlington, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.08
Calaveras County, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Calaveras County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.20
Central New Hampshire, NH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.08
Central Steptoe Valley, NV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.08	-0.73
Charlotte, NC	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.08	-0.62
Charlotte-Rock Hill, NC-SC	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.16	-1.20
Chicago, IL-IN-WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.38	-2.93
Chicago-Naperville, IL-IN-WI	Ozone (2008 8- hour)	Maintenance, Serious	10	0	-0.07	-0.39	-2.97
Chico (Butte County), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.08
Chico, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.08
Cincinnati, OH-KY (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.17
Cincinnati, OH-KY (OH Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.09	-0.69
Cincinnati, OH-KY-IN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.12	-0.90
Clark County; Las Vegas planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.02	-0.12	-0.90
Cleveland, OH	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.37
Cleveland, OH	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.13	-1.00
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.48
Cleveland-Akron-Lorain, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.14	-1.09
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.13	-0.96
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Colorado Springs, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.24

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Columbus, OH	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.10	-0.80
Columbus, OH	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	-0.02	-0.10	-0.74
Cook County; Lyons Township,	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04
Coshocton County; Franklin Township, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.16
Cuyahoga County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.37
Cuyahoga County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.04	-0.30
Dallas-Fort Worth, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.10	-0.70	-5.71
Dallas-Fort Worth, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.10	-0.69	-5.65
Dane County: Madison sub- city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.21
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.02	-0.19
Denver Metro/North Front Range, CO	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.24	-1.89
Denver-Boulder, CO	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.03	-0.19	-1.50
Denver-Boulder-Greeley-Ft. Collins-Loveland, CO	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.04	-0.24	-1.89
Detroit, MI	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.02	-0.11	-0.85
Detroit, MI	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.05	-0.28	-2.20
Detroit, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.20
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.28	-2.21
Doña Ana County; Anthony, NM	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Door County, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	0.00
Door County-Revised, WI	Ozone (2015 8- hour)	Maintenance, Marginal (Rural Transport)	10	0	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Dukes County, MA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
East Chicago, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
East Kern County, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.02	-0.17
El Paso County, TX	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.04	-0.35
El Paso, TX	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.11
El Paso-Las Cruces, TX-NM	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.06	-0.52
Eugene-Springfield, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09
Evangeline Parish (Partial), LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
Fairbanks, AK	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	0.00	-0.02
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.04
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fort Collins, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.07
Freehold, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.15
Fremont County; Canon City Area, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02
Fresno, CA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.03	-0.26
Gila County (part): Payson, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Giles County, VA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00

	NAAQS		General Emission Cha			Changes by Alternative (tons per year)			
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Grant County, NM	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02		
Grants Pass, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01		
Great Falls, MT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00		
Greater Connecticut, CT	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.08	-0.60		
Greater Connecticut, CT	Ozone (2015 8- hour)	Nonattainment, Moderate	50	0	-0.01	-0.08	-0.60		
Greeley, CO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.43		
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Hancock County (part): Weirton, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02		
Harrisburg-Lebanon-Carlisle- York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.45		
Hartford-New Britain- Middletown, CT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.05	-0.42		
Hayden (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00		
Hayden, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01		
Hayden, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00		
Henderson-Webster Counties, KY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02		
Hillsborough County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01		
Hillsborough-Polk County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Houston-Galveston-Brazoria, TX	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.08	-0.56	-4.52		
Houston-Galveston-Brazoria, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.08	-0.54	-4.29		
Howard County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.29		
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01		
Huntington, IN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
Hutchinson County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.03	-0.26		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Imperial County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.09
Imperial County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.09
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07
Imperial Valley, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.09
Indian Wells, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.18
Indiana, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.05	-0.48
Indianapolis, IN	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	-0.01	-0.04	-0.28
Inland Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.02
Inyo County; Owens Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	0.00	-0.01
Jackson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Jackson County; Medford- Ashland (including White City), OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.06
Jamestown, NY	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.24
Jefferson County, KY	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00
Jefferson County, MO	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03
Jefferson County, OH	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.33
Josephine County; Grants Pass, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Juneau; Mendenhall Valley area, AK	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.25
Kern County (Eastern Kern), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	-0.03	-0.25

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	native (tons per year) ^c		
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
King County; Kent, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
King County; Seattle, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Klamath Falls, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02		
Klamath Falls, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.02		
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02		
Knoxville, TN	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.04	-0.32		
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.05	-0.41		
La Porte County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03		
Lake County (part); Lakeview, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Lake County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.19		
Lake County, OH	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.09		
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02		
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.12		
Lake County; Polson, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Lake County; Ronan, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Lake Tahoe North Shore, CA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
Lake Tahoe South Shore, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.02		
Lake Tahoe, NV	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
Lancaster, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.03	-0.21		
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.21		
Lane County (part); Oakridge, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00		
Lane County; Eugene/Springfield, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.09		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Las Vegas, NV	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.02	-0.12	-0.91
Las Vegas, NV	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.12	-0.90
LaSalle County; Oglesby, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Lemont, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.01	-0.07
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.02
Lincoln County; Libby and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Logan, UT-ID	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05
Longmont, CO	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.27
Lorain County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.02
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.07	-0.55
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.01	-0.07	-0.55
Los Angeles-South Coast Air Basin, CA	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.15	-0.90	-6.91
Los Angeles-South Coast Air Basin, CA	NO ₂ (1971 Annual)	Maintenance, Primary	100	0	-0.15	-0.90	-6.91
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.15	-0.90	-6.91
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.15	-0.90	-6.91
Los Angeles-South Coast Air Basin, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.15	-0.90	-6.91
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.15	-0.90	-6.91
Louisville, KY-IN (IN Portion)	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	-0.01	-0.11
Louisville, KY-IN (KY Portion)	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.39
Lowell, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.04

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Lucas County, OH	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.02	-0.15
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Manchester, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.04
Manitowoc County, WI	Ozone (2015 8- hour)	Maintenance, Marginal	10	0	0.00	0.00	-0.02
Marathon County: Rothschild Sub-city area, Rib Mountain, Weston, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.01	-0.07
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.04	-0.24	-1.86
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.03	-0.23
Mariposa County, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Mariposa County, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.03	-0.26
Medford, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.04
Memphis, TN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.48
Memphis, TN-MS-AR	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.01	-0.08	-0.61
Miami (Gila County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
Miami, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Miami, AZ	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01
Millinocket AQCR 109, ME	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.07
Milwaukee, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.01	-0.07	-0.55
Milwaukee, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.01	-0.03	-0.25
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.06	-0.49
Minneapolis-St. Paul, MN	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.18	-1.36

	NAAQS		General	eneral Emission Changes by Alternative (tons per year) ^c					
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14		
Minneapolis-St. Paul, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	-0.03	-0.17	-1.32		
Missoula, MT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03		
Missoula, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.04		
Modesto, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.12		
Mohave County (part); Bullhead City, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.05		
Mono Basin, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00		
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
Morenci (Greenlee County), AZ	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	0.00		
Morgan County, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01		
Morongo Band of Mission Indians, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	0.00	0.00		
Morongo Band of Mission Indians, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00		
Morristown, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01		
Muscatine County, IA	SO₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01		
Muscatine, IA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01		
Muskegon County, MI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.06		
Muskingum River, OH	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.02		
Nashua, NH	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.04		
Nassau County, FL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	0.00		
Navarro County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.19		
Nevada County (Western part), CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.03		
Nevada County (Western part), CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	0.00	0.00	-0.03		
New Haven County, CT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01		
New Haven-Meriden- Waterbury, CT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.32		

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
New Madrid County, MO	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
New York County, NY	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.38	-2.91
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.11	-0.68	-5.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.12	-0.70	-5.34
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.11	-0.68	-5.23
Nogales, AZ	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Northern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.12	-0.95
Oakridge, OR	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Ogden, UT	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.03
Ogden, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Olmsted County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Olmsted County; City of Rochester, MN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.05
Oneida County: Rhinelander Sub-city area, WI	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02
Penns Grove, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	0.00
Peoria, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.04
Perth Amboy, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02

	NAAQS	General	Emission	n Changes by A	Alternative (tor	ns per year) ^c	
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Philadelphia-Camden County, PA-NJ	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.06	-0.43
Philadelphia-Wilmington, PA- NJ-DE (NJ Portion)	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.06	-0.48
Philadelphia-Wilmington, PA- NJ-DE (PA-DE Portion)	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.18	-1.40
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.05	-0.33	-2.53
Philadelphia-Wilmington- Atlantic City, PA-NJ-MD-DE	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.06	-0.33	-2.55
Phoenix, AZ	CO (1971 8- hour)	Maintenance, Serious	100	0	-0.04	-0.24	-1.81
Phoenix-Mesa, AZ	Ozone (2008 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.24	-1.86
Phoenix-Mesa, AZ	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.04	-0.25	-1.88
Pierce County; Tacoma, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Ajo planning area, AZ	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pima County; Rillito planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.09
Pitkin County; Aspen, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.10
Pittsburgh, PA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.11
Pittsburgh-Beaver Valley, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	-0.03	-0.21	-1.75
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.19	-1.58
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	0.00	-0.01
Portland, OR	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.07	-0.52
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.03
Provo, UT	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.07

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ıs per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.04	-0.31
Prowers County; Lamar, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.10	-0.74
Ramsey County, MN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Reading, PA	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.16
Reno, NV	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.10
Rhinelander, WI	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.22
Riverside County (Coachella Valley), CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	0.00	-0.03	-0.22
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24- hour)	Nonattainment, Serious	70	0	-0.01	-0.03	-0.25
Riverside, Los Angeles, Orange, & San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.15	-0.89	-6.88
Rosebud County; Lame Deer, MT	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Routt County (part); Steamboat Springs, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.11
Rusk and Panola Counties, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	-0.01	-0.06	-0.54
Sacramento County, CA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.02	-0.14	-1.18
Sacramento Metro, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.19	-1.57
Sacramento Metro, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.03	-0.19	-1.57
Sacramento, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.09	-0.66
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.19	-1.55
Salem, OR	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.10
Salt Lake City, UT	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.04	-0.31
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.13	-0.99

	NAAQS		General	Emissio	n Changes by A	Alternative (tor	ns per year) ^c
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14
Salt Lake County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.09	-0.68
Salt Lake County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	-0.01	-0.09	-0.68
San Antonio, TX	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.02	-0.12	-0.96
San Bernardino County, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	-0.01	-0.05	-0.45
San Diego County, CA	Ozone (2008 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.18	-1.39
San Diego County, CA	Ozone (2015 8- hour)	Nonattainment, Severe 15	25	0	-0.03	-0.18	-1.39
San Diego, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.18	-1.39
San Francisco Bay Area, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	-0.07	-0.44	-3.45
San Francisco Bay Area, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.07	-0.44	-3.45
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.44	-3.46
San Francisco-Oakland-San Jose, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.42	-3.29
San Joaquin Valley Air Basin, CA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	-0.05	-0.31	-2.52
San Joaquin Valley, CA	Ozone (2008 8- hour)	Nonattainment, Extreme	10	0	-0.05	-0.31	-2.52
San Joaquin Valley, CA	Ozone (2015 8- hour)	Nonattainment, Extreme	10	0	-0.05	-0.31	-2.52
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	70	0	-0.05	-0.31	-2.52
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	70	0	-0.05	-0.31	-2.52
San Luis Obispo (Eastern part), CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.18
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.18
San Manual (Pinal County), AZ	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01
San Miguel County; Telluride, CO	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01

	NAAQS		General	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Seaford, DE	Ozone (2008 8- hour)	Nonattainment, Marginal	50	0	0.00	-0.02	-0.12	
Seattle-Tacoma, WA	CO (1971 8- hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.16	-1.22	
Sheboygan County, WI	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.03	
Sheridan County; City of Sheridan, WY	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Shoreline Sheboygan County, WI	Ozone (2008 8- hour)	Maintenance, Moderate	10	0	0.00	0.00	-0.03	
Shoshone County; City of Pinehurst, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Shoshone County; Pinehurst Expansion Area, ID	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Silver Bow County; Butte, MT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Somerville, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	
Southern Wasatch Front, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	-0.01	-0.04	-0.31	
Southwest Indiana, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.02	
Spokane County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.14	
Spokane, WA	CO (1971 8- hour)	Maintenance, Serious	100	0	0.00	-0.02	-0.14	
Springfield, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.06	
St. Bernard Parish, LA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.05	-0.41	
St. Clair, MI	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.03	
St. Lawrence County, NY	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
St. Louis, MO	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.05	-0.38	
St. Louis, MO-IL	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.03	-0.16	-1.20	
St. Louis-St. Charles- Farmington, MO-IL	Ozone (2008 8- hour)	Maintenance, Marginal	10	0	-0.03	-0.16	-1.24	
Steubenville, OH-WV	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	-0.02	-0.17	
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.03	-0.25	
Stockton, CA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.16	

	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area				No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Sullivan County, TN	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.01	
Sutter Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Syracuse, NY	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.26	
Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.21	
Tazewell County: Groveland twp, IL	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.01	
Terre Haute, IN	SO ₂ (2010 1- hour)	Maintenance,	100	0	0.00	0.00	-0.03	
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	
Titus County, TX	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	0.00	
Toms River, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	0.00	
Tooele County, UT	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	-0.01	-0.08	
Trenton, NJ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.03	
Trona, CA	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.02	-0.16	
Tucson, AZ	CO (1971 8- hour)	Maintenance, Not Classified	100	0	-0.01	-0.04	-0.31	
Tuolumne County, CA	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.02	
Tuscan Buttes, CA	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00	
Tuscan Buttes, CA	Ozone (2015 8- hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.00	0.00	
Uinta Basin, UT	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.06	
Union County; LaGrande, OR	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Upper Green River Basin Area, WY	Ozone (2008 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.09	
Utah County, UT	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.33	
Vancouver, WA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.02	-0.13	
Ventura County, CA	Ozone (2008 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.07	-0.55	

	NAAQS		General	Emission Changes by Alternative (tons per year)				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Ventura County, CA	Ozone (2015 8- hour)	Nonattainment, Serious	50	0	-0.01	-0.07	-0.55	
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01	
Vigo County, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.09	
Walla Walla County; Wallula, WA	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	0.00	0.00	
Waltham, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.02	
Warren County, NJ	SO ₂ (1971 24- hour/Annual)	Nonattainment, Primary, Secondary	100	0	0.00	0.00	-0.01	
Warren County: Conewago Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	-0.01	-0.13	
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary, Secondary	100	0	0.00	-0.02	-0.14	
Warren, PA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	-0.02	-0.14	
Washington, DC-MD-VA	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.28	
Washington, DC-MD-VA	Ozone (2008 8- hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	10	0	-0.05	-0.29	-2.19	
Washington, DC-MD-VA	Ozone (2015 8- hour)	Nonattainment, Moderate	100	0	-0.05	-0.28	-2.17	
Washoe County; Reno planning area, NV	PM10 (1987 24- hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.10	
Wayne County, MI	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.13	
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24- hour/Annual)	Maintenance, Primary	100	0	0.00	0.00	-0.03	
West Central Pinal, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01	
West Silver Valley, ID	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.00	0.00	
Whatcom County, WA	SO ₂ (2010 1- hour)	Nonattainment,	100	0	0.00	0.00	-0.04	
Winston-Salem, NC	CO (1971 8- hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	-0.20	
Worcester, MA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	-0.01	-0.09	
Yakima County, WA	PM10 (1987 24- hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.04	
Yakima, WA	CO (1971 8- hour)	Maintenance, Not Classified	100	0	0.00	0.00	-0.01	

	NAAQS		General	General Emission Changes by Alternative (tons per year) ^c				
Nonattainment or Maintenance Area	Pollutant (Standard)	Status, Severity Classification ^a	Conformity Threshold ^b	No- Action	PC1LT3 + HDPUV4	PC2LT4 + HDPUV10	PC6LT8 + HDPUV14	
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.07	
Yuma, AZ	Ozone (2015 8- hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.05	
Yuma, AZ	PM10 (1987 24- hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.07	

Notes:

NAAQS = National Ambient Air Quality Standard; CFR = Code of Federal Regulations; CO = carbon monoxide; HDPUV = heavy-duty pickup trucks and vans; NO₂ = nitrogen dioxide; PM2.5 = particulate matter less than 2.5 microns in size; PM10 = particulate matter less than 10 microns in size; SO₂ = sulfur dioxide

^a Nonattainment or maintenance status as of 1/31/2023. Source: EPA, The Green Book Nonattainment Areas for Criteria Pollutants; http://www.epa.gov/airquality/greenbook/. "--" indicates that no severity classification has been established for the NAAQS pollutant.

^b Emissions thresholds in tons per year. Where the threshold differs by precursor pollutant, the smallest of the precursor thresholds is shown. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: 40 CFR 93.853.

^c Positive values are emissions increases; negative values are emissions decreases.

APPENDIX E

Greenhouse Gas Emissions and Climate Change

APPENDIX E GREENHOUSE GAS EMISSIONS AND CLIMATE CHANGE

E.1 Introduction

Section E.1, *Introduction*, discusses NHTSA's reliance on major international or national scientific assessment reports such as those from the Intergovernmental Panel on Climate Change (IPCC) and the U.S. Global Change Research Program (GCRP) for the assessment of climate change impacts. Even where assessment reports include consensus conclusions of expert authors, uncertainty still exists, as with all assessments of environmental impacts. Section E.1.1, *Uncertainty in the IPCC Framework*, discusses how uncertainty is communicated in the IPCC reports. Section E.1.2, *Climate Change and its Causes*, presents a brief summary of climate change and drivers.

E.1.1 Uncertainty in the IPCC Framework

The IPCC reports communicate uncertainty and confidence bounds using commonly understood but carefully defined words in italics, such as *likely* and *very likely*, to represent likelihood of occurrence. The *IPCC Working Group I Sixth Assessment Report Summary for Policymakers* (IPCC WGI AR6) (IPCC 2021a) briefly explains this convention. The *IPCC Guidance Notes for Lead Authors of the IPCC AR5 on Addressing Uncertainties* (IPCC 2010) provides a more detailed discussion of the IPCC treatment of uncertainty. This EIS uses the IPCC uncertainty language (noted in italics) when discussing qualitative environmental impacts on specific resources. The referenced IPCC documents provide a full understanding of the meaning of those uncertainty terms in the context of the IPCC findings. The IPCC WGI AR6 (IPCC 2021b) notes that the two primary uncertainties with climate modeling are model uncertainties and scenario uncertainties.

- Model uncertainties. These uncertainties occur when a climate model might not accurately
 represent complex phenomena in the climate system (see Figure E.1.1-1 for a sample of processes
 generally represented in climate models). For some processes, the scientific understanding could be
 limited regarding how to use a climate model to "simulate" processes in the climate system. Model
 uncertainties can be differentiated into parametric and structural uncertainties.
- **Scenario uncertainties.** These uncertainties arise because of uncertainty in projecting future greenhouse gas (GHG) emissions, concentrations, and forcings (e.g., from solar activity).

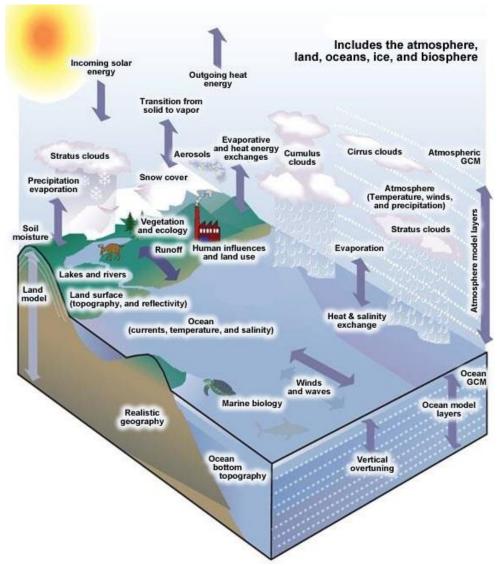


Figure E.1.1-1. Some Climate System Processes Included in Climate Models

Source: GCRP 2014

GCM = general circulation model

As stated in the IPCC WGI AR6, these types of uncertainties are described by using two metrics for communicating the degree of certainty: confidence in the validity of findings, expressed qualitatively, and quantified measures of uncertainties, expressed probabilistically. The confidence levels synthesize the judgments about the validity of the findings, determined through evaluation of the evidence and the degree of scientific agreement. The qualitative expression of confidence ranges from *very low* to *very high*, with higher confidence levels assigned to findings that are supported by high scientific agreement. The quantitative expression of confidence ranges from *exceptionally unlikely* to *virtually certain*, with higher confidence representing findings supported by robust evidence (Table E.1.1-1). Figure E.1.1-2 demonstrates how the combination of evidence and agreement statements results in confidence level and

shows that the degree of confidence increases as evidence becomes more robust and agreement is greater. Level of confidence is expressed with five qualifiers: *very low, low, medium, high,* or *very high.*¹

Table E.1.1-1. Standard Terms to Define the Likelihood of a Climate-Related Event

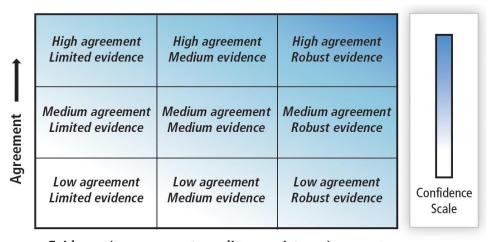
Likelihood Terminology	Likelihood of the Occurrence/Outcome				
Virtually certain	99–100% probability				
Very likely	90–100% probability				
Likely	66–100% probability				
About as likely as not	33–66% probability				
Unlikely	0–33% probability				
Very unlikely	0–10% probability				
Exceptionally unlikely	0–1% probability				

Notes:

Additional terms that were used in limited circumstances in the IPCC Fifth Assessment Report (AR5) (extremely likely = 95–100% probability, more likely than not \geq 50–100% probability, and extremely unlikely = 0–5% probability) were also used in IPCC WGI AR6 when appropriate, and in the Fourth National Climate Assessment (GCRP 2017).

Source: IPCC 2021a

Figure E.1.1-2. Confidence Level as a Combination of Evidence and Agreement



Evidence (type, amount, quality, consistency)

Source: IPCC 2013a

E.1.2 Climate Change and Its Causes

Although the climate system is complex, IPCC WGI AR6 identified the following drivers of climate change (Figure E.1.2-1). In 2021, IPCC WGI AR6 evaluated observed changes in these climate system drivers and the effective radiative forcing (ERF) they exert.

• **GHGs.** Primary GHGs in the atmosphere are water vapor, carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4), and ozone (IPCC 2021a). Though most GHGs occur naturally, human activities—

¹ Figure E.1.1-2 shows the relationship between confidence level and summary statements for evidence and agreement. This relationship is flexible and different confidence levels can be assigned for a given evidence and agreement statement (IPCC 2010).

- particularly fossil fuel burning—have significantly increased atmospheric concentrations of these gases (see IPCC 2021a for more information on human impacts on the climate and effects of different GHGs).
- Aerosols. Aerosols are natural (e.g., from volcanoes) and human-made particles in the atmosphere that scatter incoming sunlight back to space, causing cooling. Some aerosols are hygroscopic (i.e., attract water) and can affect the formation and lifetime of clouds. Large aerosols (more than 2.5 micrometers in size) modify the amount of outgoing long-wave radiation (IPCC 2021a). Other particles, such as black carbon, can absorb outgoing terrestrial radiation, causing warming (IPCC 2021a). In the past 30 years, the relative importance of aerosol forcing compared to other climate drivers has decreased as the net forcing effect of aerosols has continued to decrease in the 21st century (IPCC 2021a).
- **Clouds.** Depending on cloud height, cloud interactions with terrestrial and solar radiation can vary. Any perturbations in cloud fields, such as through aerosol-cloud interactions or through cloud feedbacks, can have strong influences on the energy distribution of the climate system (IPCC 2021a). The rapid adjustments implied by clouds are included in the determination of ERF (IPCC 2021a).
- Ozone. Ozone is created through photochemical reactions from natural and human-made gases. In the troposphere, ozone absorbs and re-emits long-wave radiation, acting as a GHG. In the stratosphere, the ozone layer absorbs incoming short-wave radiation (IPCC 2021a). Ozone has the largest positive ERF of all gaseous short-lived climate forcers (IPCC 2021a).
- **Solar radiation.** Solar radiation, the amount of solar energy that reaches the top of Earth's atmosphere, varies over time (IPCC 2021a). Solar radiation has had a negligible impact on climate change since the start of the industrial era compared to other main drivers (IPCC 2021a).
- Surface changes. Changes in vegetation or land surface properties, ice or snow cover, and ocean color can affect surface albedo.² The changes are driven by natural seasonal and diurnal changes (e.g., snow cover) as well as human influences (e.g., changes in vegetation type) (IPCC 2021a). Changes to land use and land cover have introduced a negative ERF by increasing surface albedo since 1750 (IPCC 2021a).

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² Surfaces on Earth (including land, oceans, and clouds) reflect solar radiation back to space. This reflective characteristic, known as *albedo*, indicates the proportion of incoming solar radiation the surface reflects. High albedo has a cooling effect because the surface reflects rather than absorbs most solar radiation.

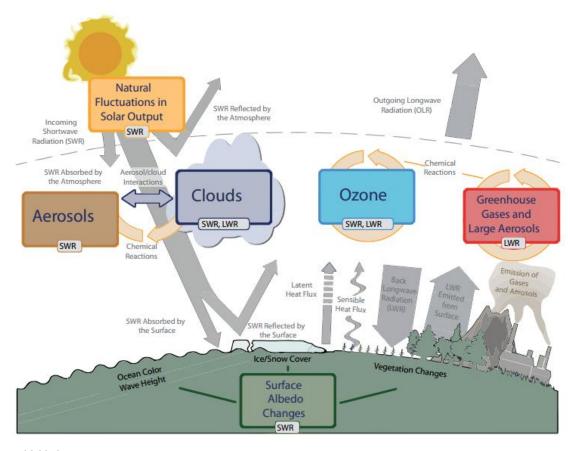


Figure E.1.2-1. Main Drivers of Climate Change

Source: IPCC 2013a

SWR = shortwave radiation; LWR = longwave radiation; OLR = outgoing longwave radiation

E.2 Greenhouse Gas Emissions and Aerosols—Historical and Current Trends

E.2.1 Global Greenhouse Gas Emissions

GHGs are gaseous constituents in the atmosphere, both natural and anthropogenic, that absorb and reemit terrestrial infrared radiation. Primary GHGs in the atmosphere are water vapor, CO₂, N₂O, CH₄, and ozone. These GHGs occur naturally and because of human activity.³ Other GHGs, such as the fluorinated gases,⁴ are almost entirely anthropogenic in origin and are used in commercial applications such as refrigeration and air conditioning and industrial processes such as aluminum production.

By far the GHG with the largest contribution to warming is CO₂. Global atmospheric CO₂ concentrations have increased 49.2 percent, from approximately 278 parts per million (ppm) in 1750 (IPCC 2021a) to

³ Although humans have always contributed some level of GHG emissions to the atmosphere through activities like farming and land clearing, substantial anthropogenic contributions did not begin until the mid-1700s with the onset of the Industrial Revolution. People began burning coal, oil, and natural gas to light their homes, power trains and cars, and run factories and industrial operations.

⁴ Fluorinated GHGs or gases include perfluorocarbons, hydrofluorocarbons (HFCs), sulfur hexafluoride, and nitrogen trifluoride.

approximately 414.71 ppm in 2021 (National Oceanic and Atmospheric Administration [NOAA] 2023a). Isotopic- and inventory-based studies make clear that this rise in the CO_2 concentration is largely a result of the release of carbon that had been stored underground and then used to combust fossil fuels (coal, petroleum, and natural gas) to produce electricity, heat buildings, and power motor vehicles and airplanes, among other uses (IPCC 2021a). In 2019, CO_2 emissions accounted for 74 percent of global GHG emissions on a global warming potential (GWP)—weighted basis, 5 followed by CH_4 (18 percent), N_2O (6 percent), and fluorinated gases (2 percent) (World Resources Institute [WRI] 2023). Atmospheric concentrations of N_2O and CH_4 increased approximately 19 and 158 percent, respectively, over roughly the same period (IPCC 2021a).

GHGs are emitted from a wide variety of sectors, including energy, industrial processes, waste, agriculture, and forestry. The energy sector is the largest contributor of global GHG emissions, accounting for 78 percent of global emissions in 2019; other major contributors of GHG emissions are agriculture (12 percent), industrial processes (6 percent), and waste (3 percent) (WRI 2023). Transportation CO₂ emissions from the combustion of petroleum-based fuels have increased by 74 percent from 1990 to 2019 and account for roughly 14 percent of total global GHG emissions (WRI 2023).⁷ The energy sector is largely composed of emissions from fuels consumed in the electric power, transportation, industrial, commercial, and residential sectors. The 14 percent value for transportation is therefore included in the 78 percent value for energy.

In general, global GHG emissions continue to increase, although annual increases vary according to factors such as weather, energy prices, and economics. Observed emissions between 2000 and 2010 approximately track the upper half of Representative Concentration Pathway (RCP)⁸ projections while more recently, the global fossil and industrial CO₂ emissions follow the middle of the projected Shared Socioeconomic Pathway (SSP)⁹ scenario ranges, though regional differences exist (IPCC 2021a).

⁵ Each GHG has a different radiative efficiency (i.e., the ability to absorb infrared radiation) and atmospheric lifetime. To compare their relative contributions, GHG emissions quantities are converted to carbon dioxide equivalent using the 100-year time horizon GWP as reported in IPCC's Fourth Assessment Report (AR4): The Physical Science Basis (IPCC 2007).

⁶ These global GHG estimates *do not* include contributions from land-use change and forestry or international bunker fuels.

⁷ The energy sector is largely composed of emissions from fuels consumed in the electric power, transportation, industrial, commercial, and residential sectors. The 14 percent value for transportation is therefore included in the 78 percent value for energy.

⁸ The Representative Concentration Pathways (RCPs) were developed for the IPCC AR5 report. They define specific pathways to emissions concentrations and ERF in 2100. The RCPs established four potential emissions concentration futures, a business-as-usual pathway representing continued GHG concentration increases (RCP8.5), two stabilization pathways (RCP6.0, RCP4.5), and an aggressive reduction pathway (RCP2.6).

⁹ The Shared Socioeconomic Pathways (SSPs) were developed for the IPCC AR6 report. Similar to RCPs, they utilize global socioeconomic projections to derive time-dependent global GHG concentrations and drive general circulation model simulations of climate change. The SSPs were designed to provide an expanded set of GHG concentration scenarios for the Coupled Model Intercomparison Project Phase 6 based on a range of socioeconomic scenarios, with SSP1 through 5 accounting for various global mitigation and adaption measures. There is a set of five core SSPs used in IPCC reports: SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0, and SSP5-8.5.

E.2.2 U.S. Greenhouse Gas Emissions

In 2021, U.S. GHG emissions were estimated to be 6,340 million metric tons carbon dioxide equivalent (MMTCO₂e) (EPA 2023a). The United States was the second largest emitter of GHG emissions in 2019 (the most recent year for which global emissions are available), contributing 13.0 percent of global emissions (excluding emissions and sinks from land-use change) (WRI 2023). CO₂ is by far the primary GHG emitted in the United States, representing 79 percent of U.S. GHG emissions in 2021 (EPA 2023a) (on a GWP-weighted basis).

Most GHG emissions in the United States are from the energy sector, with the majority of those emissions being CO₂ emissions from the combustion of fossil fuels. In 2021, CO₂ emissions from fossil fuel combustion alone accounted for 73.2 percent of total U.S. GWP-weighted emissions (EPA 2023a), with the remaining emissions contributed by other energy-related activities (e.g., fugitive emissions from natural gas systems), industrial processes and product use, agriculture, forestry, waste, and other land use. CO₂ emissions due to combustion of fossil fuels are from fuels consumed in the following sectors: transportation (38 percent of fossil fuel combustion CO₂ emissions), electric power (33 percent), industrial (17 percent), residential (7 percent), commercial (5 percent), and U.S. territories (which include all of the aforementioned sectors) (1 percent) (EPA 2023a).

When U.S. CO_2 emissions are apportioned by end use, transportation is the single leading source of U.S. emissions from fossil fuels, causing over one-third of total CO_2 emissions from fossil fuels (EPA 2023a). CO₂ emissions from passenger cars and light trucks accounted for 58 percent of total U.S. CO_2 emissions from transportation in 2021 (EPA 2023a).

From 1990 to 2021, CO₂ emissions from passenger cars and light trucks increased by 12 percent (EPA 2023a). This increase in emissions is attributed to a 44.4 percent increase in vehicle miles traveled (VMT) by light-duty (LD) motor vehicles (passenger cars and light trucks), because of population growth and expansion, economic growth, and low fuel prices (EPA 2023a). Additionally, the rising popularity of sport utility vehicles and other light trucks with lower fuel economy than passenger cars has contributed to higher emissions (EPA 2023a; DOT 2017). However, fuel efficiency for new LD vehicles produced in 2020, including light trucks and sport utility vehicles, reached a record high of 25.6 miles per gallon (mpg) (U.S. Department of Energy [DOE] 2021a).

The coronavirus disease of 2019 (COVID-19) pandemic resulted in a 9 percent decrease in gross U.S. GHG emissions from 2019 to 2020, with contributions by sector remaining relatively consistent (EPA 2023a). Travel restrictions and behavior across the country resulted in decreased VMT by personal vehicles and lightweight trucks by 11 percent from 2019 to 2020 (EPA 2023a). However, due to the increased demand for e-commerce goods, VMT for HD vehicles increased from 2019 to 2020 (DOT 2022). Between 2019 and 2020, CO_2 emissions from passenger cars and light trucks decreased 14 percent; CO_2 emissions from transportation decreased 13 percent.

¹⁰ The most recent year for which an official EPA estimate is available, excluding emissions and sinks from land-use change and forestry (EPA 2023a).

¹¹ Based on global and U.S. estimates for 2019, the most recent year for which a global estimate is available. Excluding emissions and sinks from land-use change and forestry.

¹² Apportioning by end use allocates emissions associated with electricity generation to the sectors (residential, commercial, industrial, and transportation) where it is used.

More recent data shows that this decrease in emissions was temporary. In the transportation sector, indicators of emissions such as VMT have significantly increased since the end of 2020 as travel restrictions eased and economic activity increased (Liu et al. 2020). VMT increased by 11 percent from 2020 to 2021 (DOT 2021a), despite shifts in travel and behavior compared to before the pandemic (e.g., increases in Americans working from home or hybrid working). Furthermore, between 2020 and 2021, CO_2 emissions from passenger cars and light trucks increased 10 percent; CO_2 emissions from transportation increased 11 percent (EPA 2023a).

Figure E.2.2-1 shows that travel by personal vehicles has returned to, if not exceeded, pre-COVID-19 levels.

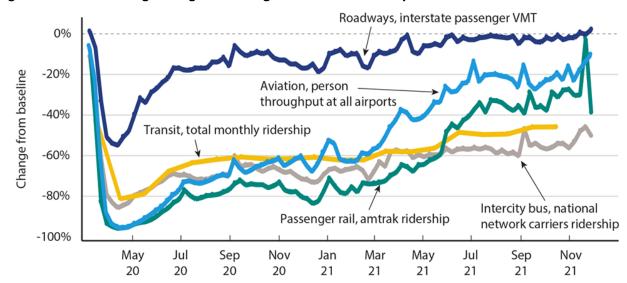


Figure E.2.2-1. Percentage change in Passenger Travel from 2019 by Mode

Source: DOT 2021c VMT = vehicle miles traveled

Figure E.2.2-2 shows the proportion of U.S. CO_2 emissions in 2021 attributable to the transportation sector and the contribution of each mode of transportation to those emissions. The percentages shown in this chart are similar to those from 2020.

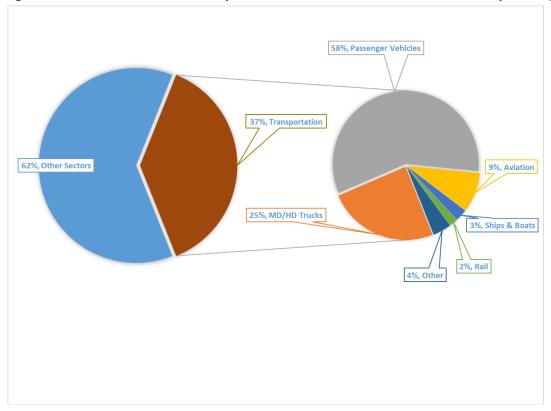


Figure E.2.2-2. Contribution of Transportation to U.S. Carbon Dioxide Emissions by Mode (2021)

Source: EPA 2023a

MD/HD= Medium-Duty and Heavy-Duty

Although CO_2 emissions represent the vast majority of the U.S. contribution to warming (79.4 percent), CH_4 accounts for 11.5 percent of U.S. GHGs on a GWP-weighted basis, followed by N_2O (6.2 percent) and the fluorinated gases (3.0 percent) (EPA 2023a).

E.2.3 Black Carbon and Other Aerosols

Aerosols are solid or liquid particles suspended in the Earth's atmosphere. The chemical composition of aerosols varies enormously and can include sulfates, nitrates, dust, black carbon, and other chemical species (IPCC 2021a; CCSP 2009). Aerosols are either emitted directly from a source (e.g., power plants, forest fires, volcanoes) into Earth's atmosphere or chemically created in the atmosphere from gases (IPCC 2021a; CCSP 2009). Depending on meteorological conditions and other factors, aerosols typically remain in Earth's atmosphere from days to weeks (IPCC 2021a). Their relatively short lifetimes can create regional areas of high aerosol concentrations nearby as well as some distance downwind from emissions source(s) (IPCC 2021a).

An aerosol's impact on climate depends on its composition. Some aerosols, such as sulfates, reflect incoming sunlight back to space, causing a cooling effect; other aerosols, such as black carbon, absorb incoming sunlight, causing a warming effect (IPCC 2021a; CCSP 2009). In addition, some aerosols attract moisture or water vapor and can affect the lifetime and reflectivity of clouds. Overall, IPCC (2021a) states that there is *high confidence* that aerosols have offset a substantial portion of global mean forcing by cooling Earth's atmosphere from the reflection of incoming sunlight and their interaction with clouds,

though large uncertainties exist. Overall, aerosols can act to intensify precipitation in deep convective clouds or suppress precipitation in shallow cloud regimes through radiative and microphysical processes (IPCC 2021a).

Among the aerosols, black carbon has attracted much attention because of its strong impact on Earth's energy balance. Black carbon is an aerosol that forms during incomplete combustion of certain fossil fuels (primarily coal and diesel) and biomass (primarily fuel wood and crop waste). There is no single accepted method for summarizing the range of effects of black carbon emissions on the climate or representing these effects and impacts in terms of carbon dioxide equivalent (CO₂e); significant scientific uncertainties remain regarding black carbon's total climate effect. The IPCC (2021a) integrated the overall indirect cloud effects of black carbon (and other light-absorbing particles) into the estimated ERFs on the earth's energy budget, resulting in a small net positive (i.e., warming) (low confidence). Quantifiable estimate shows large uncertainties and although black carbon is likely to be a contributor to climate change, it is not feasible to quantify black carbon climate impacts in an analysis of the Proposed Action and alternatives.¹³

LD passenger cars and heavy-duty pickup trucks and vans (HDPUVs) (especially those that are diesel-powered) contribute to U.S. emissions of black carbon. For further information on black carbon and aerosol emissions, climatic interactions, and net radiative effect, see Section 5.1.6 of the *Phase 2 Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles Final EIS* (NHTSA 2016b).

E.3 Climate Change Trends

IPCC concludes that, at continental and global scales, numerous long-term changes in climate have been observed. Additionally, IPCC and the GCRP include the following trends observed over the 20th century as further supporting the evidence of climate-induced changes:

- Most land areas have *very likely* experienced warmer and/or fewer cold days and nights along with warmer and/or more frequent hot days and nights (IPCC 2021a; GCRP 2017).
- Cold-dependent habitats are shifting to higher altitudes and latitudes, and growing seasons are becoming longer (IPCC 2021a; GCRP 2017).
- Sea level is rising, caused by thermal expansion of the ocean water and melting of snowcaps and ice sheets (IPCC 2021a; GCRP 2017).
- More frequent weather extremes such as droughts, floods, severe storms, and heat waves have been observed (IPCC 2021b; GCRP 2017).
- There is *high confidence* that oceans are becoming more acidic because of increasing absorption of CO₂ by seawater, which is driven by a higher atmospheric concentration of CO₂ (IPCC 2021a; United Nations [UN] 2021; GCRP 2017). Recent assessments found that the oceans have become about 30 percent more acidic over the last 150 years since the Industrial Revolution (GCRP 2017).

Developed countries, including the United States, have been responsible for the majority of GHG emissions since the mid-19th century and still have some of the highest GHG emissions per capita (WRI 2023). While annual emissions from developed countries have been relatively flat over the last few decades, world population growth, industrialization, and increases in living standards in developing

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¹³ NHTSA conducted a literature review on black carbon in early 2023, and did not locate new sources that met the criteria for inclusion in this document.

countries are expected to cause global fossil-fuel use and resulting GHG emissions to grow substantially. During the last decade (2010 through 2019), average annual anthropogenic CO_2 emissions reached the highest levels in human history (*high confidence*) (IPCC 2021a). Current emissions trajectory estimates from the IPCC project global atmospheric CO_2 concentrations between 400 ppm (SSP1-1.9) and 1,100 ppm (SSP5-8.5) by 2100, approximately two to four times preindustrial levels (IPCC 2021a). The effects of the CO_2 emissions that have accumulated in the atmosphere prior to 2100 will persist well beyond 2100. If emissions from both developed and developing countries are not reduced dramatically in the coming decades, this elevation in atmospheric CO_2 concentrations is likely to persist for many centuries, with the potential for temperature anomalies continuing much longer (IPCC 2021a).

E.3.1 Climate Change Attributes

The climate change attributes of temperature, sea-level rise, precipitation, and ocean pH provide evidence of rapid climate change.

E.3.1.1 Temperature

Climate change is evidenced, in part, by increases in surface temperatures over time. The sections that follow discuss ERF, average temperatures, and extreme temperatures as they relate to climate change.

Effective Radiative Forcing

ERF describes the magnitude of change in energy fluxes caused by a specific driver—in this case, anthropogenic GHGs—that can alter the Earth's energy budget. Positive ERF leads to warming while negative ERF leads to cooling (IPCC 2021a). GHGs have a positive ERF. Total anthropogenic ERF has increased by 2.72 watts per square meter (W/m^2) (1.96 to 3.48 W/m^2) since preindustrial times and is responsible for the observed warming (IPCC 2021b). This estimate is a 0.43 W/m² increase from the IPCC's previous report (IPCC 2013a) due to an increase in the GHG ERF. The ERF from increased atmospheric CO₂ concentration alone (from 1750 to 2019) is estimated to be 2.16 W/m² (plus or minus 0.26 W/m²) (IPCC 2021a). Most recently, the net heat uptake rate has been shown to be increasing. From mid-2005 to mid-2019, ERF estimates from both in situ and satellite observations were shown to be 0.77 W/m² (plus or minus 0.06 W/m²) due to an increase in absorbed solar radiation associated with decreased reflection by clouds and sea ice and a decrease in outgoing longwave radiation due to increases in trace gases and water vapor (Loeb et al. 2021). Future projections of ERF are captured in the SSPs used to model future climate conditions. SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0, and SSP5-8.5 are named according to the amount of change in ERF in 2100 relative to preindustrial conditions (i.e., prior to 1750): +1.9, +2.6, +4.5, +7.0, and +8.5 W/m². This naming convention is a continuation from the IPCC AR5, where the RCPs were named RCP2.6, RCP4.5, RCP6.0, and RCP8.5 W/m² to denote ERF changes (GCRP 2017).

Average Temperatures

Annual average surface temperatures have increased across much of the globe in recent decades with "sixteen of the last 17 years" being "the warmest ever recorded by human observations" (GCRP 2017) (Figure E.3.1-1). Global surface temperature increased by 0.99 degree Celsius (°C) (0.84 °C to 1.10°C) from 1850–1900 to 2001–2020 and is projected to continue increasing until at least mid-century under all emissions scenarios considered (IPCC 2021a). 2022 was the 46th consecutive year (since 1977) to experience global temperatures above the 20th-century average (NOAA 2023b). Moreover, the 10 warmest years on record have all occurred since 2010 (NOAA 2023b). IPCC (2021b) has also concluded

that global surface temperatures have increased faster since 1970 than in any other 50-year period over at least the last 2,000 years (*high confidence*).

IPCC projects continued increases in global mean surface temperature over the course of this century with global average surface temperature in 2081 through 2100 *very likely* to be 1.0 to 1.8°C (1.8 to 3.2 degrees Fahrenheit [°F]) warmer under a low GHG emissions scenario (SSP1-1.9), 2.1 to 3.5°C (3.8 to 6.3°F) warmer under an intermediate GHG emissions scenario (SSP2-4.5), and 3.3 to 5.7°C (5.9 to 10.3°F) warmer under a very high GHG emissions scenario (SSP5-8.5) (IPCC 2021b). For further information on observed and projected global average temperature trends, see IPCC 2021a and GCRP 2021a.

Change in Temperature (°F)

-1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0

Figure E.3.1-1. Global Surface Temperature Anomalies in Degrees Fahrenheit from 1986 to 2015 Relative to 1901 to 1960

Source: GCRP 2017 °F = degrees Fahrenheit

Surface temperatures are not rising uniformly around the globe. Warming has been particularly pronounced in the Arctic (GCRP 2017). The average Arctic temperature has increased at almost twice the global average rate over at least the past several decades (GCRP 2017). Similar to the global trend, the U.S. average temperature is about 1.0°C (1.8°F) warmer than it was in 1895, and this rate of warming is increasing—most of the warming has occurred since 1970 (GCRP 2017) (Figure E.3.1-2). Some areas of the southeast region of the United States have experienced "warming holes," as indicated by 20th-century temperature observations, suggesting minor to no warming trends since 1901 (GCRP 2017).

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¹⁴ This temperature increase is compared to 1850 through 1900 global average temperature values.

Annual Global Surface Temperature Change for Land and Ocean 2.0 ▲ Warmer 1.5 Temperature difference from 20th century average [°F] 1.0 0.5 0.0 ✓ Cooler 1880 1900 1920 1940 1960 1980 2000 2020

Figure E.3.1-2. Annual Global Average Surface Temperature Increases of About 0.9°C (1.6°F) from 1880 to 2021

Source: GCRP 2021a °F = degrees Fahrenheit

The oceans have a large heat capacity and have been absorbing more than 90 percent of warming caused by anthropogenic GHG emissions (GCRP 2017). Due to Earth's thermal inertia—whereby oceans absorb and dissipate heat to the atmosphere over a long period of time—warming could continue for centuries, even after atmospheric CO₂ is stabilized or reduced.

Multiple lines of evidence have recorded increasing average temperatures, including measurements from weather balloons and, more recently, satellites (GCRP 2017). In addition, higher temperatures have been independently confirmed by other global observations. For example, scientists have documented shifts to higher latitudes and elevations of certain flora and fauna habitat (GCRP 2017). The average length of the growing season has increased across the contiguous United States since the early 20th century, particularly in the northern latitudes (GCRP 2018a), and plant flowering and animal spring migrations and breeding patterns are occurring earlier on average, with exceptions in some regions (EPA 2009; GCRP 2018a; IPCC 2022a). In the United States, the length of the growing season has increased across all seven of the contiguous U.S. regions used in the GCRP (2017), although with important variability at smaller scales, with ranges from decreases of a few days to increases of 1 to 2 weeks (GCRP 2017).

Extreme Temperatures

In many regions, extreme temperatures have changed substantially both in frequency and intensity since about 1950 (GCRP 2017). The IPCC concluded it is *virtually certain* that there will be more hot and fewer cold temperature extremes with increases in the frequency, duration, and magnitude of hot extremes along with heat stress; however, occasional cold winter extremes will continue to occur (IPCC 2021a). Hot days, hot nights, and heat waves have become more frequent; cold days, cold nights, and frost have become less frequent (Figure E.3.1-3) (EPA 2009; GCRP 2017; IPCC 2021a). Since 1950, the frequency of heat waves in the United States has increased, although in many regions the heat waves

recorded in the 1930s remain the most severe on record (GCRP 2017). Recent heat waves in the United States have been significant, and recent modeling shows that anthropogenic climate change is projected to dominate heat wave occurrence in the western United States and Great Lakes regions as early as this decade (Lopez et al. 2018).

Heat Wave Characteristics in 50 Large U.S. Cities, 1961-2021 Heat Wave Frequency Average number of heat waves 6 Change in number 5 year 4 ≤ 2 per. > 2-4 3 > 4 - 6 2 > 6 - 8 1 0 Not statistically 1970s 1980s 1990s 2000s 2010s significant Heat Wave Season Length 80 Length of heat wave season 70 Change in length 60 50 ≤ 20 40 > 20 - 40 30 > 40 - 60 20 > 60 - 80 10 > 80 Not statistically 1960s 1970s 1980s 1990s 2000s 2010s 2020s

8

significant

Figure E.3.1-3. Heat Waves Increasing in Frequency and Duration from 1961 to 2021

Source: GCRP 2021b

Additionally, fewer unusually cold days occurred in the past few decades. The number of extreme cold waves peaked in the 1980s and reached a record low in the 2000s, with records dating back to at least 1895 (coincident with the expansion of the instrumental record) (GCRP 2017). Long-term warming driven by anthropogenic GHG emissions increases the likelihood of extreme temperatures and record warmth (Knutson et al. 2018; Meehl et al. 2016; Vogel et al. 2019a). According to IPCC, it is now considered very likely that humans have contributed to greater extreme heat events since the middle of the 20th century, with higher temperature changes increasing the probability of extreme heat events in some regions (IPCC 2021a). For example, the likelihood of consecutive years with record-breaking annual average temperatures from 2014 to 2016 was negligible (less than 0.03 percent) in the absence of human influence (Mann et al. 2017). Additionally, the 2017 heatwave in southern Europe was found to be at least three times more likely today than it was in 1950 due to anthropogenic climate change (Kew et al. 2018). Recent literature continues to support and strengthen such findings, projecting both geographic and temporal increases in extreme heat by the late century (Dahl et al. 2019). These projections result from the general warming trend, rather than a specific global emissions scenario or timeframe.

E.3.1.2 Sea-Level Rise

Global temperature increases contribute to sea-level rise. The sections that follow discuss contributions to sea-level rise, observed global sea-level rise, and observed regional sea-level rise, respectively.

Contributions to Sea-Level Rise

Higher temperatures cause global sea level to rise due to both thermal expansion of ocean water and an increased transfer of water from glaciers and ice sheets to the ocean. Since the early 1970s, the majority of observed sea-level rise has come from these sources. Other factors, such as changing ocean currents and vertical land adjustments, also affect local sea-level rise. IPCC concludes that it is *very likely* that human contributions to sea-level rise are substantial (IPCC 2021a).

At the ocean surface, temperature has, on average, increased by 0.88°C (1.58°F) (0.68 to 1.01°C [1.22 to 1.82°F]) (over the reference period 1850 through 1900 compared to the 2011 through 2020 reference period) with approximately 68 percent of this warming (0.6°C [1.08°F]) having occurred since 1980 (IPCC 2021a). The ocean heat content has increased since at least 1970 (earliest reliable observations) and it is *virtually certain* that heat content will continue to rise over the 21st century, likely continuing until at least 2300, regardless of emissions scenario (IPCC 2021a). Rising ocean heat content leads to thermal heat expansion which contributes, in part, to sea-level rise.

IPCC concludes that mountain glaciers, ice caps, and snow cover have declined on average, further contributing to sea-level rise. Losses from the Greenland and Antarctic ice sheets from 1992 to 2020 have contributed to 13.5 millimeters (0.5 inch) and 7.4 millimeters (0.3 inch) of global mean sea-level rise, respectively (IPCC 2021a). Dynamic ice loss (i.e., the transfer of ice from land-based ice sheets to the ocean, which can accelerate following the collapse of supporting ice shelves) explains at least half of the Antarctic and Greenland net mass loss, with the other half coming from melting (IPCC 2021a). Although most of the last century's (1901 through 2018) global mean sea-level rise was caused by ocean thermal expansion (38 percent) and loss from glaciers (41 percent), the contribution of ice mass loss from the Greenland and Antarctic ice sheets increased and accounted for approximately 35 percent of observed global mean sea-level rise between 2006 and 2018 (IPCC 2021a).

These contributions to sea-level rise are expected to continue throughout this century. According to the IPCC, ocean warming is projected to continue throughout the 21st century (IPCC 2021b). Projections for sustained warming between 2 and 3°C (3.6 and 5.4°F) result in approximately 50 to 60 percent loss of glacier mass outside Antarctica, and approximately 60 to 75 percent loss for sustained warming between 3 and 5°C (5.4 and 9.0°F).

Under all SSP scenarios, both the Greenland ice sheet (*virtually certain*) and Antarctic ice sheet (*likely*) will continue to lose ice mass, further contributing to global mean sea-level rise. While the Greenland ice sheet is currently contributing more to global sea-level rise, Antarctica could become the larger contributor by the end of the century due to rapid retreat of ice stream and glaciers draining the ice sheet (IPCC 2021a). Recent modeling indicates that the Antarctic ice sheet contribution to sea-level rise will continue at about the current rate if Paris Agreement targets are reached (i.e., limiting warming to 2°C [3.6°F] or less). However, warming of 3°C (5.4°F) consistent with current policies has the potential to increase the contribution of Antarctic ice loss to sea-level rise to about 0.5 centimeter (0.2 inch) per year from 2060 to 2100, roughly 10 times faster than current rates (DeConto et al. 2021). New projections also show that limiting global warming to 1.5°C (2.7°F) above preindustrial levels could halve land ice contribution to sea-level rise during the 21st century, resulting in median land ice contributions to sea-

level rise ranging from 13 to 42 centimeters (5.1 to 16.5 inches) by 2100, with the higher projection due to rapid mass loss from the Antarctic ice sheet (Edwards et al. 2021).

Warming ocean temperatures affect ice sheet stability through submarine melting and altering the dynamics of ice shelves, ice streams, and glaciers. The interconnectedness of the ocean and cryosphere (e.g., glaciers and ice streams that drain the Greenland and Antarctic ice sheets into the ocean) can lead to compounding impacts, whereby ocean warming triggers dramatic ice sheet instability through enhanced melting and calving at glacier and ice stream fronts. In turn, the nonlinear relationship between ocean warming and ice mass loss could be a large driver of future global sea-level rise (IPCC 2019a).

Global Sea-Level Rise

Global mean sea level rose faster in the 20th century than in any prior century over the last three millennia (IPCC 2021a). The rate of increase has been accelerating since the 1960s, with an average rate of 2.3 millimeters (0.09 inch) per year between 1971 and 2018, and an average rate of 3.7 millimeters (0.15 inch) per year between 2006 and 2018 (IPCC 2021a). Global mean sea level rose by about 1.0 to 1.7 millimeters (0.04 to 0.07 inch) per year from 1901 to 1990, a total of 11 to 14 centimeters (4 to 5 inches) (GCRP 2017). After 1993, global mean sea level rose at a faster rate of about 3 millimeters (0.12 inch) per year (GCRP 2017). Consequently, global mean sea level has risen by about 7 centimeters (3 inches) since 1990, and by 16 to 21 centimeters (7 to 8 inches) since 1900 (GCRP 2017). Relative to 1995 through 2014, global mean sea level will likely rise by 0.38 meter (1.25 feet) (0.28 to 0.55 meter [0.92 to 1.8 feet]) under SSP1-1.9 and by 0.77 meter (2.3 feet) (0.63 to 1.02 meters [2.07 to 3.35 feet]) under SSP5-8.5 by 2100; these projections are made with *medium confidence* because the uncertainty in ice sheet stability during the 21st century may alter these projections (IPCC 2021a). There is *high confidence* that global mean sea level will continue to rise for centuries past 2100 and remain elevated for thousands of years due to continuing deep ocean heat uptake and committed mass loss from the Greenland and Antarctic ice sheets (IPCC 2021a).

In addition, other studies that consider dynamic mass loss from major ice sheets indicate that sea-level rise could be even greater (Figure E.3.1-4) (Robel et al. 2019; Bamber et al. 2019). Most of these studies project a higher sea-level rise than the IPCC studies. NOAA's *Global and Regional Sea Level Rise Scenarios for the United States* estimates that global mean sea level will rise 0.3 meter (1 foot) to 2.0 meters (6.6 feet) by 2100 and 0.4 meter (1.3 feet) to 3.7 meters (12 feet) by 2150 (Sweet et al. 2022). Increasing anthropogenic GHG emissions would increase the risks posed by greater warming and sealevel rise (IPCC 2022a). Records of paleo sea level indicate that, when global mean temperatures was 2.5 to 4°C (4.5 to 7.2°F) above 1850 through 1900 levels, global mean sea level was 5 to 25 meters (16.4 to 82.0 feet) higher than current levels (IPCC 2021a).

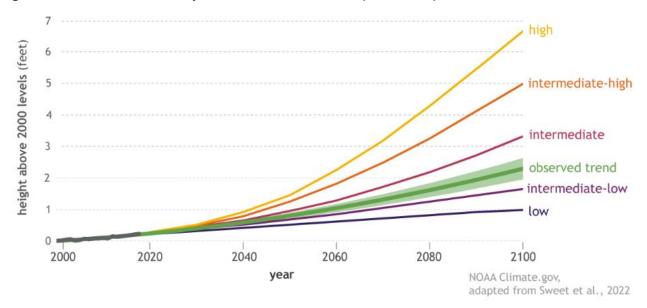


Figure E.3.1-4. Possible Pathways for Future Sea-Level Rise (2000–2100)

Source: Sweet et al. 2022

Regional Sea-Level Rise

Sea-level rise is not uniform across the globe, primarily because dynamic ocean heights are adjusted by ocean currents and because coastline elevations change through time because of regional tectonics, subsidence, and isostatic rebound. Throughout the period 1993 to 2018, sea levels rose fastest in the Western Pacific and slowest in the Eastern Pacific (IPCC 2021a). It is *very likely* that regional mean relative sea-level rise will continue throughout the 21st century, with variations, where a few regions that have substantial geologic land uplift rates are projected to show a deceleration in sea-level rise (IPCC 2021a).

Nationally, relative sea level has been rising at a rate of 1.1 to 2.0 inches per decade along most of the Atlantic and Gulf coasts and more than 3 inches per decade along portions of the Louisiana and Texas coasts (where land subsidence is relatively rapid) (EPA 2022m; Argus et al. 2018; Sweet et al. 2017a). Sea level is falling (due to tectonic uplift) at the rate of a few inches per decade in parts of Alaska (EPA 2009, 2022m; Argus et al. 2018; Sweet et al. 2017a; National Science and Technology Council 2008). This pattern of relative sea-level rise along the U.S. coast is projected to continue throughout this century (GCRP 2017 citing Sweet et al. 2017a). Tools such as the NOAA Sea Level Rise viewer can be used to understand the impact of coastal inundation under different sea-level rise scenarios along the coastal United States.¹⁵

Sea-level rise extends the zone of impact of storm surges and waves from tropical and other storms farther inland, causing coastal erosion and other damage. Resulting shoreline erosion is well documented. Since the 1970s, half of the coastal area in Mississippi and Texas has been eroding inland by an average of 2.6 to 3.1 meters (8.5 to 10.2 feet) per year (26 to 31 meters [85 to 102 feet] per decade). In Louisiana, a full 90 percent of the shoreline has been eroding inland at an average rate of more than 12.0 meters (39.4 feet) per year (EPA 2009; Nicholls et al. 2007), with loss of coastal wetlands

¹⁵ NOAA, Office for Coastal Management, DigitalCoast, Sea Level Rise Viewer, https://coast.noaa.gov/digitalcoast/tools/slr.html.

in the state occurring at a variable rate of 11 to 32 square miles per year from 1932 to 2016 (Couvillion et al. 2017). As sea level continues to rise, so will the likelihood for extensive coastal erosion (GCRP 2017 citing Barnard et al. 2011, Theuerkauf and Rodriguez 2014, and Serafin and Ruggiero 2014).

E.3.1.3 Hydrologic Cycle

As the climate warms, evaporation from land and oceans increases and more moisture can be held in the atmosphere (GCRP 2017). Depending on atmospheric conditions, this evaporation causes some areas to experience increases in precipitation events, while other areas are left more susceptible to droughts (Fujita et al. 2019). Average atmospheric water vapor content has increased since at least the 1970s over land and the oceans, and in the upper troposphere, largely consistent with air temperature increases (IPCC 2021a). Because of changes in climate, including increased moisture content in the atmosphere, heavy precipitation events have increased in frequency over most land areas (IPCC 2021b; Min et al. 2011).

The sections that follow discuss global, regional, and national trends in precipitation, droughts, streamflow, and snow cover, respectively.

Precipitation

Long-term trends in global precipitation have been observed since 1901. Between 1901 and 2010, increases in precipitation have been observed in the middle and higher latitudes of both the Northern and Southern Hemispheres, specifically in northwestern and eastern parts of North America, parts of Europe and Russia, and southern South America. Drying has been observed in the Sahel region of Africa, the Mediterranean, southern Australia, and parts of Southeast Asia. Spatial and temporal variability for precipitation is high, and data are limited for some regions (IPCC 2021b).

Over the contiguous United States, the average total annual precipitation increased approximately 4 percent from 1901 to 2016. The greatest increases from 1991 to 2015 (relative to 1901 to 1960) were noted in the Midwest, the Northeast, and the Great Plains, and there were notable decreases in areas of the Southwest (GCRP 2017). Heavy precipitation events also increased in all regions except the Southwest, primarily during the last 3 to 5 decades, with more than a 40 percent increase since 1901 in the Midwest (Figure E.3.1-5) (GCRP 2017).

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¹⁶ The shoreline erosion in Louisiana is also affected by human alterations and loss of sediment supply (EPA 2009).

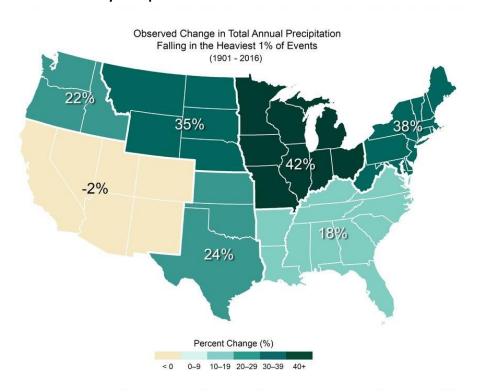


Figure E.3.1-5. Increased Heavy Precipitation Events from 1901 to 2016

Source: GCRP 2018b

In general, climate change is expected to reinforce global precipitation patterns. Precipitation is projected to *very likely* increase over high latitudes, the equatorial Pacific and parts of the monsoon regions, but decrease over parts of the sub-tropics and tropics under SSP5-8.5 (IPCC 2021a). It is *very likely* that mean precipitation will increase in far north regions (*high confidence*), and heavy precipitation events are projected to increase in most regions under future warming (IPCC 2022a).

Drought

Increased dryness has been observed in many regions since the 1950s, with intense droughts caused by higher temperatures and decreased precipitation; human-induced climate change is *likely* the main driver of these changes (IPCC 2021b). However, spatial variability for dryness is high and data availability is limited in some regions from which to draw global conclusions. IPCC (2021a) projects increased evapotranspiration and decreased soil moisture, increasing dryness over the Mediterranean, southwestern North America, south Africa, southwestern South America, and southwestern Australia (*high confidence*).

Drought trends have been changing for some regions of the United States over the past 50 years (GCRP 2017). Most regions in the United States experienced decreases in drought severity and duration over the 20th century due to increasing average precipitation and the frequency of heavy precipitation events. However, the United States continues to experience severe drought, including in the Southwest from 1999 to 2008 (EPA 2009), Texas and California in 2011 (GCRP 2017), the Midwest in 2012 (GCRP 2017), California in 2014 and 2015 (U.S. Geological Survey 2015), and the western United States from 2020 to 2022 (NOAA 2023c), which has produced drought conditions in California not seen since 1977

(Carlowicz 2021). According to tree ring data, drought conditions in the western United States over the last decade could represent the driest conditions in 500 years (GCRP 2017).

By the end of the 21st century, a third of global land area, including regions like the Mediterranean, southern Africa, southwestern Australia, southwestern South America, tropical Central America, and western Africa, are projected to suffer from at least moderate drought under high emissions scenarios (IPCC 2021a). In western North America, there is *medium confidence* that human-induced climate change has contributed to the increases in agricultural and ecological droughts, with projected reductions in soil moisture and an increase in drought severity for mean global warming of 2°C and above (IPCC 2021a). Twenty-first-century drought risk in the Southwest and central plains will likely be higher than at any time since at least 1100 Current Era (CE) under both RCP4.5 and RCP8.5, increasing the possibility of megadroughts (i.e., droughts lasting 2 decades or more) in these regions (Cook et al. 2015). A more recent study expands upon this concept, showing that the 2000 to 2018 southwestern North America drought was the second driest 19-year period since 800 CE, exceeded only by a late-1500s megadrought, noting that anthropogenic warming increases the probability of otherwise moderate droughts becoming historic megadroughts (Williams et al. 2020).

While current levels of climate change already manifest moderate risks of increased water scarcity, vegetation loss, and wildfire damage, these risks are projected to become more severe with future temperature increases (IPCC 2019b). In addition, increased warming is projected to shift climate zones poleward and increase the amount of land prone to drought (IPCC 2019b).

Streamflow

Melting snow and ice, increased evaporation, and changes in precipitation patterns all affect surface water. Previous assessments indicate variable changes in streamflow and river discharge. The northwest United States has experienced long-term declines in streamflow as a result of declining winter precipitation and, more generally, the western United States has seen recent declines due to drought (GCRP 2017). In contrast, high streamflow is increasing across parts of the Midwest, Mississippi Valley, and eastern United States as a result of increases in heavy precipitation (GCRP 2017). Other assessments show even greater global variability in trends, where decreases in streamflow were observed in mainly low- and mid-latitude river basins, while increasing flow at higher latitudes could have resulted from possible permafrost thawing and increased snowmelt (IPCC 2021a). Changes in precipitation have also been identified as a major driver for changing discharge trends across regions (IPCC 2021a).

These streamflow drivers are expected to continue to change throughout the 21st century, with more frequent and intense heavy precipitation events (*high confidence*) and more precipitation falling as rain rather than snow, thereby decreasing snowpack and snowmelt (*high confidence*) in the United States (GCRP 2017). Changes in streamflow are also dominated by snowpack and glacier-fed mountain basins, which are projected to decline and produce earlier spring peak flows (IPCC 2019a).

Snow Cover

Across the Northern Hemisphere, snow cover extent (in June) decreased by approximately 11 percent per decade over the 1967 to 2012 period (IPCC 2021b citing Vaughan et al. 2013) with future snow cover extent and duration projected to continue to decrease as global climate warms (IPCC 2021a). Changes in air temperature, decreased surface albedo, and increased atmospheric water vapor drove a downward trend in maximum snow cover per decade from 1961 to 2015 across North America (GCRP)

2017). The amount of snow at the end of the winter season, which is important for water supply provided by snowmelt, has decreased because of springtime warming (GCRP 2017). In addition, North America, Europe, South Asia, and East Asia have experienced a decreasing number of snowfall events; according to IPCC, this is *likely* due to increasing winter temperatures (IPCC 2021a).

Recent studies support these findings, and project that spring snow cover could decrease by as much as 35 percent relative to 1986 to 2005 by the end of the century under RCP8.5 (IPCC 2019a). Furthermore, the most recent IPCC projections show that Northern Hemisphere spring snow cover extent could decrease by about 8 percent per 1°C (1.8°F) of global surface air temperature increase in the future (IPCC 2021a).

E.3.1.4 Ocean pH

With higher atmospheric CO₂ concentrations in recent decades, oceans have absorbed more CO₂, which lowers the potential of hydrogen (pH)—or increases the acidity—of the water. When CO₂ dissolves in seawater, the hydrogen ion concentration of the water increases; this is measured as a decrease in pH. Compared to the preindustrial period, the pH of the world's oceans has decreased by 0.1 unit (IPCC 2021a). Because pH is measured on a logarithmic scale, this decrease represents about a 30 percent increase in the hydrogen ion concentration of seawater, a substantial acidification of the oceans. Although research on the ultimate impacts of declining ocean pH is limited, available observational, laboratory, and theoretical studies indicate that acidification could interfere with the calcification of coral reefs and inhibit the growth and survival of coral reef ecosystems (EPA 2009; GCRP 2017; IPCC 2021a). The Fourth National Climate Assessment (NCA4)¹⁷ notes that, by 2100 under the RCP8.5 emissions scenario, nearly all coral reefs are projected to be surrounded by acidified seawater that will challenge coral growth (GCRP 2017, GCRP 2018a citing Ricke et al. 2013). Under lower emissions scenarios such as RCP4.5, ecological impacts on coral reefs are reduced but not avoided (GCRP 2018a). If global temperatures reach an average increase of 1.5°C (2.7°F), 70 to 90 percent of coral reefs are projected to decline, with even greater losses at 2°C (3.6°F) (IPCC 2021a). At 2°C (3.6°F) above preindustrial levels, mass mortalities of coral reefs are virtually certain (IPCC 2021a).

The global average surface ocean acidity is projected to increase in acidity (decrease in pH) by 100 to 150 percent by the end of the century under RCP8.5 relative to historical conditions (high confidence) (GCRP 2017). Most recent IPCC (2021a) projections indicate a decreasing ocean surface pH under all scenarios (except SSP1-1.9 and SSP1-2.6), with a 0.44-unit decrease under SSP5-8.5 (a 175 percent increase in the hydrogen ion concentration of seawater) by the end of the century (1870 to 1899 compared to 2080 to 2099 values).

E.3.2 Increased Incidence of Severe Weather Events

Tropical cyclones appear to be increasing in intensity since 1970, but no clear trend in the frequency of tropical cyclones each year has been observed. Identifying long-term trends of tropical cyclones has been difficult because observations were limited prior to the satellite era (IPCC 2021a). However, there is observational evidence of an increase in intense tropical cyclone activity correlated with increases of sea-surface temperatures in the North Atlantic, which includes the Gulf Stream, since about 1970 (GCRP 2017). The tracks of tropical cyclones have shifted in a warming climate, migrating toward the poles

¹⁷ Development of the GCRP's Fifth National Climate Assessment (NCA5) is currently underway. The draft report is available and final publication is anticipated in late 2023. Findings from NCA5 will be included in the Final EIS if the final report becomes available in time.

(GCRP 2017). According to IPCC, while recent assessments show no trend in the frequency of U.S. landfall events this past century, an increasing trend in intensity since the 1970s is *virtually certain* (IPCC 2021a). Additionally, recent projections indicate that climate change could increase the frequency of the most intense tropical cyclones by the end of the century, but it is still unclear how the overall frequency of events might change (GCRP 2017). This trend has been substantiated by the IPCC (2021a), which shows that globally, major tropical cyclone intensities (Category 3 and above) have increased over the past 4 decades. Thus overall, IPCC (2021a) projects tropical cyclones to increase in intensity despite a decrease in frequency in most tropical regions (*medium confidence*).

Climate change also causes hurricanes and tropical cyclones to produce heavier precipitation, in part because a warmer atmosphere holds more moisture and increases the energy available for convection, causing stronger storms and heavier precipitation (GCRP 2017; Gertler and O'Gorman 2019). Globally, the frequency and intensity of heavy precipitation events has increased (*high confidence*) in a majority of land regions, particularly in North America, Europe, and Asia (IPCC 2021a). IPCC (2021a) states that with increasing temperatures, it is *virtually certain* that heavy precipitation events (including those from tropical cyclones) will become more frequent and intense over all continents.

The influence of climate change on recent storms is well documented. For example, the rainfall produced in Texas and Louisiana by Hurricane Harvey in 2014 was increased by about 15 to 19 percent due to climate change (Risser and Wehner 2017; van Oldenborgh et al. 2017). Climate change also could increase the probability of a similar extreme event by 17 percent through 2100 relative to the period from 1981 to 2000 under RCP8.5 (Emanuel 2017). Looking forward, tropical cyclone rainfall amounts in the eastern United States could increase by 8 to 17 percent relative to the time period between 1980 and 2006 as a result of a warmer climate (Wright et al. 2015). The frequency of weather and climate disasters (including those causing more than \$1 billion in damages) has increased in the United States (GCRP 2018a).

There is *low confidence* in historical trends of hail and severe thunderstorms (IPCC 2021a), which makes their relationship to climate change difficult to resolve. While IPCC states that climate models consistently project environmental changes that would support an increase in the frequency and intensity of severe thunderstorms that combine tornadoes, hail, and winds, there is *low confidence* in the details of the projected increases. Similarly, GCRP (2017) also indicates *low confidence* for future projections of severe thunderstorms including tornadoes, hail, and extreme winds.

Changes in ocean heat content and freshwater-driven buoyancy as a result of climate change could potentially weaken the Atlantic meridional overturning circulation (AMOC), a mechanism for heat transport in the North Atlantic Ocean that could drive dramatic changes to the regional climates of North America and Europe. However, there is currently *low confidence* in models that show AMOC weakening over the 21st century under a high emissions scenario (RCP8.5) (GCRP 2017). Models show low agreement in 20th-century AMOC trends (IPCC 2021a). Recent observations show a decline in AMOC since the 2000s; however, this cannot be distinguished from internal variability (IPCC 2021a).

Climate change is also driving increased wildfire activity. The number of large wildfires in the western United States increased from 1984 to 2011, and area burned by wildfire has been increasing since the 1970s (GCRP 2017). These changes are driven, in part, by changes in climate, such as increasing temperatures, more intense droughts, reduced snowpack, and increased fuel availability and flammability (GCRP 2017, 2018a). Observations of wildfires in western U.S. forests indicate that the area burned by wildfire from 1984 to 2015 was twice what would be expected in the absence of climate change (Abatzoglou and Williams 2016).

Wildfires are projected to further increase in intensity, duration, and frequency under climate change. Projections indicate that for the western United States, large fires will become more of an annual occurrence and very large fires (larger than 50,000 acres) will increase by 2050 under both low and high emissions scenarios (RCP4.5 and RCP8.5) (GCRP 2017). The southeast is also expected to see an increase in wildfires, though with substantial differences between ecoregions (Prestemon et al. 2016). Similarly, Alaska is expected to experience a longer fire season, with a higher risk of severe fires and greater total area burned (GCRP 2017). Wildfires are complex systems, but modeling focused on the climate variables that are closely linked to fire risk (e.g., surface temperature, snowmelt timing) is quite robust and shows that conditions conducive to wildfires are expected to continue under climate change (GCRP 2017).

E.3.3 Changes in Ice Cover and Permafrost

Changes in air and ocean temperatures, precipitation onto the ice mass, and water salinity are affecting glaciers, sea-ice cover, and ice sheets. Numerous studies have confirmed that glaciers and ice sheets have shrunk substantially in the past half century. Satellite images have documented mass loss from the Greenland ice sheet and the West Antarctic ice sheet (IPCC 2021a; GCRP 2017). Figure E.3.3-1 shows polar ice sheet mass change from 1992 to 2016.

1000 (b) 2 0 0 Sea <u>(g</u> -1000level Mass change _2000 _2000 6 Greenland Greenland total ution Antarctica Surface mass balance (SMB) -3000 😟 -3000 West Antarctica (mm) 10 East Antarctica -4000 -4000 Antarctic Peninsula 12 -5000 -5000 1995 2000 2005 2020 2000 2005 2010 2020 2015 1990 1995 2015

Figure E.3.3-1. Cumulative Ice Sheet Mass Change from 1992 to 2016

Notes:

Panel (a) shows cumulative mass change and corresponding sea-level rise contributions for different ice sheet regions. Panel (b) shows Greenland ice sheet mass change components from surface mass balance (orange) and dynamic thinning (blue) for 2000 to 2016. Uncertainties bars are 1 standard deviation.

Source: IPCC 2019a

Gt = gigaton

Average Arctic sea-ice area in August, September, and October has decreased approximately 25 percent in the past 40 years (1979–1988 to 2010–2019) and has decreased to some extent in every month of the year (IPCC 2021a). Warming in the Arctic has proceeded at about twice the rate as the global average, leading to decreases in summer sea-ice extent, glacier and ice sheet mass loss, coastal erosion, and permafrost thawing (IPCC 2021a).18 Some Arctic ice that previously was thick enough to last through summer has now thinned enough to melt completely in summer. As of 2020, the 12 lowest Arctic seaice extents in the satellite era occurred in the last 12 years (Kumar et al. 2020a). It is very likely that more than half of the observed Arctic sea-ice loss in summer is due to anthropogenic climate change (IPCC 2021a).

¹⁸ Permafrost thawing releases CO₂ and CH₄ into the atmosphere.

In March 2016, the Arctic experienced the lowest winter maximum ice extent in the satellite record (1979 to 2016), 7 percent below the 1981 to 2010 average (Perovich et al. 2016). Multiyear ice (more than 1 year old) and first-year ice were 22 percent and 78 percent of the ice cover, respectively, compared to 45 percent and 55 percent in 1985 (Perovich et al. 2016). In September 2016, the Arctic sea-ice minimum extent was 33 percent lower than the 1981 to 2010 average minimum ice extent, 22 percent larger than the record minimum set in 2012, and tied with 2007 for the second lowest value in the satellite record (1979 to 2016) (Perovich et al. 2016).

As of 2021, the Arctic experienced the 15 lowest summer minimum ice extents (occurring in September), all within the last 15 years (Meier et al. 2021). By end of summer in 2021, multiyear ice reached its second lowest level since 1985, based on available data (Meier et al. 2021).

There is *very high confidence* that Arctic sea ice volume and thickness have decreased in the period after 1979. However, there is *low confidence* in the quantitative volume and thickness estimates due to poor observations; current analyses show an approximately 72 percent reduction between 1979 and 2016 (IPCC 2021a). These area and thickness reductions allow winds to generate stronger waves, which have increased shoreline erosion along the Alaskan coast. Alaska has also experienced increased thawing of the permafrost base of up to 1.6 inches per year since 1992 (EPA 2009; National Science and Technology Council 2008).

There is *high confidence* that permafrost temperatures have been increasing over the past 3 to 4 decades in the permafrost regions (IPCC 2021a). Globally, permafrost has warmed approximately 0.29°C (0.52°F) between 2007 and 2016. The active layer thickness of the permafrost (a layer subject to annual temperature changes) has increased across the entire Arctic region (IPCC 2021a). At lower depths, IPCC (2019a) stated with *very high confidence* that record high permafrost temperatures at the depth of the zero annual amplitude (the depth about 10 to 20 meters [32.8 to 65.6 feet] below the surface where the seasonal soil temperature cycle vanishes) were observed in recent decades in the northern circumpolar permafrost region. They also conclude (*high confidence*) that global warming over the last decades has led to widespread permafrost warming. Complete permafrost thaw in recent decades is a common phenomenon across the permafrost regions (IPCC 2021a). Continued thawing of permafrost over the next century is *virtually certain*, with projections showing the volume of perennially frozen soil within the upper 3 meters (9.8 feet) of the ground decreasing by about 25 percent per 1°C (1.8°F) of global surface air temperature increase (IPCC 2021a).

The loss of Arctic sea ice is projected to continue throughout the 21st century and could *very likely* result in nearly sea-ice-free¹⁹ late summers in the Arctic Ocean by the 2040s (*very high confidence*) (GCRP 2017). IPCC (2021a) shows that the Arctic Ocean will *likely* become practically sea-ice free during the seasonal sea-ice minimum for the first time before 2050 regardless of SSP scenario. At the same time, permafrost is projected to continue to decrease, with a switch from continuous to discontinuous permafrost expected over the 21st century (GCRP 2017 citing Vaughan et al. 2013, Grosse et al. 2016, and Schuur et al. 2015). Projections show that by the end of the century, near-surface (i.e., within 3 to 4 meters) permafrost could decrease by approximately 24 to 69 percent relative to the 1986 to 2005 baseline time period, based on RCP2.6 and RCP8.5, respectively (IPCC 2019a) and it is *virtually certain* that permafrost extent and volume will shrink as the climate warms (IPCC 2021a).

¹⁹ Sea-ice free means sea-ice area below 1 million square kilometers (386,102 square miles).

E.4 Analysis Methods

NHTSA provides an overview of the methods used to characterize the effects of the alternatives on climate in Chapter 5, Section 5.3, *Analysis Methods*. Additional detail is provided below.

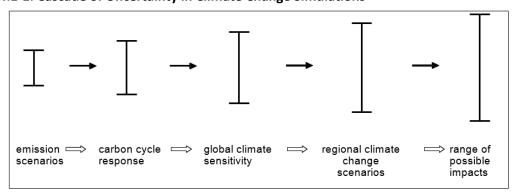
E.4.1 Uncertainty in Climate Modeling

The methods used to characterize emissions and climate impacts consider multiple sources of uncertainty. Sources of uncertainty include the following, in addition to many other factors.

- The pace and effects of technology changes in the transportation sector and other sectors that emit GHGs.
- Changes in the future fuel supply and fuel characteristics that could affect emissions.
- Sensitivity of climate to increased GHG concentrations.
- The rate of change in the climate system in response to changing GHG concentrations.
- Potential existence of thresholds in the climate system (which cannot be predicted or simulated).
- Regional differences in the magnitude and rate of climate change.
- Sensitivity to natural variability, such as El Niño conditions.

Moss and Schneider (2000) characterize the "cascade of uncertainty" in climate change simulations (Figure E.4.1-1). As indicated in Figure E.4.1-1, the emissions estimates used in this EIS have narrower bands of uncertainty than global climate sensitivity, which is less uncertain than regional climate change impacts. The impacts on climate are, in turn, less uncertain than the impacts of climate change on affected resources (such as terrestrial and coastal ecosystems, human health, and other resources discussed in Section E.5, *Health, Societal, and Environmental Impacts of Climate Change*). Although the uncertainty bands broaden with each successive step in the analytic chain, not all values within the bands are equally likely; the mid-range values have the highest likelihood.

Figure E.4.1-1. Cascade of Uncertainty in Climate Change Simulations



Source: Moss and Schneider 2000

Scientific understanding of the climate system is incomplete; like any analysis of complex, long-term changes to support decision-making, evaluating reasonably foreseeable impacts on the human environment involves many assumptions and uncertainties. This EIS uses methods and data to analyze climate impacts that represent the best and most current information available on this topic and that have been subjected to extensive peer review and scrutiny. The information cited throughout this section, extracted from the most recent EPA, IPCC, and GCRP reports on climate change, has endured a

more thorough and systematic review process than information on virtually any other topic in environmental science and policy. The tools used to perform the climate change impacts analysis such as the Model for the Assessment of Greenhouse Gas-Induced Climate Change (MAGICC) are widely available and are commonly used in the scientific community.

The CCSP Synthesis and Assessment Product 3.1 report on the strengths and limitations of climate models (CCSP 2008) provides a thorough discussion of the methodological limitations regarding modeling. Additionally, Chapter 1 of IPCC WGI AR6 provides an evaluation of the performance of global climate models. Readers interested in a detailed treatment of this topic will find the Technical Summary and Chapter 1 of IPCC WGI AR6 useful in understanding the issues that underpin the modeling of environmental impacts of the Proposed Action and alternatives on climate change.

E.4.2 Methods for Modeling Greenhouse Gas Emissions

This EIS compares GHG emissions under each action alternative to those under the No-Action Alternative for both LD passenger vehicles, HDPUVs, and the combined CAFE and HDPUV FE alternatives. GHG emissions under each alternative were estimated using the methods described in Chapter 2, Section 2.3, Standard-Setting and EIS Methods and Assumptions. For years 2022 through 2050, the emissions estimates in this EIS include tailpipe emissions from fuel combustion and upstream emissions from the production and distribution of fuel for LD passenger vehicles and HDPUVs. GHG emissions were estimated by the DOT Volpe National Transportation Systems Center (Volpe Center) using the CAFE Compliance and Effects Model (referred to as the CAFE Model), described in Chapter 2, Section 2.3.1, CAFE Model. To calculate tailpipe CO₂ emissions, the CAFE Model applies estimates of the density and carbon content of gasoline and other fuels. To calculate tailpipe CH₄ and N₂O emissions, the CAFE Model applies gram-per-mile emissions factors Volpe Center staff referenced from EPA's Motor Vehicle Emissions Simulator (MOVES).²⁰ To calculate GHG emissions from upstream processes such as refining and electricity generation, the CAFE Model applies process-specific emissions factors specified on a gram-per-British thermal unit (Btu) basis; Volpe Center staff developed these emissions factors using the Greenhouse Gases and Regulated Emissions in Transportation (GREET) model, developed by the DOE Argonne National Laboratory.

For the climate analysis, GHG emissions trajectories are projected through the year 2100. In order to estimate GHG emissions for the LD and HD fleets for 2051 to 2100, NHTSA extrapolated from the aforementioned CAFE Model results by applying the projected rate of change in U.S. transportation fuel consumption over this period from the global climate scenario (SSP2-4.5) used in the analysis. For 2051 through 2100, the SSP2-4.5 and SSP3-7.0 scenarios project that U.S. road transportation fuel consumption will decline slightly because of assumed improvements in efficiency of internal combustion engine (ICE)-powered vehicles and increased deployment of non-ICE vehicles with higher drivetrain efficiencies. However, the projection of road transport fuel consumption beyond 2050 does not change substantially. Therefore, emissions remain relatively constant from 2050 through 2100.²³ The

²⁰ All downstream emissions estimates in the CAFE Model use emissions factors from EPA's MOVES3 model version (EPA 2022a).

²¹ More information regarding global emissions scenarios can be found in Section E.4.3.4, Global Emissions Scenarios.

²² 2050 is the last year for which the CAFE Model provides estimates of fleet CO₂ emissions for this analysis.

²³ NHTSA anticipates a larger post-2050 decline in passenger car and light truck energy consumption than what is projected in the SSP3-7.0 scenario due to updated projections around technology availability and adoption, as well as other factors that

assumptions and methods used to extrapolate GHG emissions estimates beyond 2050 for this EIS are broadly consistent with those used in the MY 2011–2015 CAFE Final EIS (NHTSA 2008), the MY 2012–2016 CAFE Final EIS (NHTSA 2010), Phase 1 Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles Final EIS (NHTSA 2011), MY 2017–2025 CAFE Final EIS (NHTSA 2012), Phase 2 Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles Final EIS (NHTSA 2016b), the MY 2021–2026 Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Final EIS (NHTSA 2020), and the MY 2024–2026 CAFE Final EIS and SEIS (NHTSA 2021, 2022).

The emissions estimates include global CO_2 , CH_4 , and N_2O emissions resulting from direct fuel combustion and the production and distribution of fuel and electricity (upstream emissions).²⁴ The MOVES model also estimated non-GHG emissions—both criteria pollutants and air toxics—which are used as inputs in MAGICC7. Criteria pollutants included are sulfur dioxide (SO_2), nitrogen oxides (NO_X), carbon monoxide (CO), fine particulate matter 2.5 microns or less in diameter (PM2.5), and volatile organic compounds (VOCs). Air toxics included are acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and diesel particulate matter 10 microns or less in diameter.

Fuel savings from more stringent CAFE and HDPUV FE standards would result in lower overall emissions of CO₂ (the main GHG emitted) because of reduced refining, distribution, and use of transportation fuels.²⁵ Fuel efficiency, fuel consumption, and CO₂ emissions are closely connected. Fuel efficiency describes how much fuel a vehicle requires to perform a certain amount of work (for example, how many miles it can travel or how many tons it can carry per mile traveled). A vehicle is more fuel efficient if it can perform more work while consuming less fuel. Lower fuel consumption reduces CO₂ emissions directly because the primary source of vehicle-related CO₂ emissions is the combustion of carbon-based fuel in ICEs; combustion of a hydrocarbon essentially produces energy (used to power the vehicle), CO₂, and water. Therefore, lowering fuel consumption lowers CO₂ emissions, and greater fuel efficiency means less CO₂ emissions.

NHTSA estimated reductions in tailpipe CO₂ emissions resulting from fuel savings by assuming that the carbon content of gasoline, diesel, and other fuels is converted entirely to CO₂ during the combustion

affect fuel consumption. However, the EIS approach for projecting emissions from 2051 to 2100 is consistent with methods used in recent NHTSA EISs, conservative in terms of estimating environmental impacts, and reasonable given the uncertainty associated with post-2050 projections.

²⁴ Upstream emissions considered in this EIS include those that occur in the United States during the recovery, extraction, and transportation of crude petroleum, as well as during the refining, storage, and distribution of transportation fuels. Emissions from each of these phases of fuel supply are estimated using factors obtained from the Argonne National Laboratory GREET model. A portion of finished motor fuels are refined in the United States using imported crude petroleum as a feedstock, and GREET's emissions factors are used to estimate emissions associated with transporting imported petroleum from coastal port facilities to U.S. refineries, refining it to produce transportation fuels, and storing and distributing those fuels. GREET's emissions factors are also used to estimate domestic emissions from transportation, storage, and distribution of motor fuels that are imported to the United States in refined form.

 $^{^{25}}$ For this rulemaking, NHTSA estimated emissions of vehicular CO₂, CH₄, and N₂O emissions, but did not estimate vehicular emissions of HFCs. HFCs are released to the atmosphere only through air-conditioning system leakage and are not directly related to fuel efficiency. NHTSA's authority under the Energy Policy and Conservation Act, as amended by the Energy Independence and Security Act, extends only to the regulation of vehicle fuel efficiency. For reference, CH₄ and N₂O account for 4 percent of the tailpipe GHG emissions from LD passenger vehicles and light trucks, HDPUVs, and combined tailpipe GHG emissions from all vehicle classes, respectively. CO₂ emissions account for the remaining 96 percent in each category. Of the total (including non-tailpipe) GHG emissions from passenger cars and light trucks, tailpipe CO₂ represents approximately 97.4 percent, tailpipe CH₄ and N₂O represent approximately 0.7 percent, and HFCs represent approximately 1.9 percent (values are calculated from EPA 2023a).

process. Specifically, NHTSA estimated CO_2 emissions from fuel combustion as the product of the volume of each type of fuel consumed (in gallons), its mass density (in grams per gallon), the fraction of its total mass represented by carbon (measured as a proportion), and CO_2 emissions per gram of fuel carbon (the ratio of the molecular weights of CO_2 and elemental carbon). NHTSA estimated changes in tailpipe CH_4 and N_2O emissions by applying MOVES-based emissions factors for these GHGs to estimated annual mileage accumulation (i.e., VMT) of vehicles of different types and vintages.

Reduced fuel consumption also lowers CO_2 emissions that result from the use of carbon-based energy sources during fuel production and distribution. At the same time, new CAFE and HDPUV FE standards may also lead to increased CO_2 emissions from processes involved in producing and delivering any alternative energy sources (i.e., other than petroleum) for which consumption increases. In particular, the CAFE Model shows electricity consumption by LD vehicles increasing more rapidly under the action alternatives than under the No-Action Alternative. NHTSA estimated the CO_2 emissions during each phase of fuel and electricity production and distribution (upstream emissions) using CO_2 emissions rates obtained from the GREET model using previous assumptions about how fuel savings are reflected in reductions in activity during each phase of fuel production and distribution. For this EIS, the Argonne National Laboratory GREET model was updated from the 2021 version to the 2022 version. The total reduction in CO_2 emissions from improving fuel economy under each alternative is the sum of the reductions in motor vehicle emissions from reduced fuel combustion compared to the relevant No-Action Alternative plus the reduction in upstream emissions from a lower volume of fuel production and distribution than is projected under the relevant No-Action Alternative (minus the increase in upstream emissions resulting from increased electricity generation).

E.4.3 Methods for Estimating Climate Effects

This EIS estimates and reports the projected reductions in GHG emissions, particularly CO_2 , that would result from the action alternatives for CAFE standards, HDPUV FE standards, and the combined set of alternatives. The reduction in GHG emissions is a direct effect of the increased stringency in fuel economy associated with the action alternatives. The reductions in CO_2 emissions, in turn, cause indirect effects on five attributes of climate change: CO_2 concentrations, temperature, sea level, precipitation, and ocean pH.

The subsections that follow describe methods and models used to characterize the reductions in GHG emissions and the indirect effects on the attributes of climate change. Importantly, this EIS uses the SSPs that were developed for the IPCC AR6 report to represent a range of future climate change scenarios and development pathways. Similar to RCPs, which were developed for the previous IPCC AR5 report, the SSPs utilize global socioeconomic projections to derive time-dependent global GHG concentrations and drive general circulation model simulations of climate change. The SSPs were designed to provide an expanded set of GHG concentration scenarios for the Coupled Model Intercomparison Project Phase 6 (CMIP6) based on a range of socioeconomic scenarios, with SSP1 through 5 accounting for various global mitigation and adaption measures, described in further detail in the following subsections.

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 $^{^{26}}$ This assumption results in a slight overestimate of CO₂ emissions because a small fraction of the carbon content of gasoline is emitted as CO and unburned hydrocarbons. However, the magnitude of this overestimation is likely to be extremely small. This approach is consistent with the recommendation of IPCC for Tier 1 national GHG emissions inventories (IPCC 2006).

E.4.3.1 MAGICC Modeling

NHTSA used a reduced-complexity climate model (MAGICC) to estimate the changes in CO₂ concentrations and global mean surface temperature and used increases in global mean surface temperature combined with an approach and coefficients from IPCC WGI AR6 (IPCC 2021a) to estimate changes in global precipitation and sea-level rise. NHTSA used the publicly available modeling software²⁷ MAGICC7 (Meinshausen et al. 2020) to estimate changes in key direct and indirect effects. NHTSA used MAGICC7 to incorporate the estimated reductions in emissions of CO₂, CH₄, N₂O, CO, NO_x, SO₂, and VOCs and the associated estimated changes in upstream emissions using factors obtained from the GREET model and CAFE Model analysis. NHTSA also performed a sensitivity analysis to examine variations in the direct and indirect climate impacts of the CAFE standard and HDPUV FE standard action alternatives under different assumptions about the sensitivity of climate to GHG concentrations in Earth's atmosphere. The results of the sensitivity analysis can be used to infer how the variation in GHG emissions associated with the action alternatives affects the anticipated magnitudes of direct and indirect climate impacts.

The selection of MAGICC for this analysis was driven by several factors:

- MAGICC has been used in the peer-reviewed literature to evaluate changes in global mean surface temperature and sea-level rise. Applications include the IPCC WGI AR6 (IPCC 2021a) and IPCC WGI AR5 (IPCC 2013a), where it was used to estimate global mean surface temperature and sea-level rise for simulations of global emissions scenarios that were not run with the more complex atmospheric-ocean general circulation models (AOGCMs) (Meinshausen et al. 2011).²⁸
- MAGICC is designed for the type of analysis performed in this EIS.
- More complex AOGCMs are not designed for the type of sensitivity analysis performed in this EIS
 and are best used to provide results for groups of scenarios with much greater differences in
 emissions.
- MAGICC7 uses updated carbon cycle models that can emulate temperature-feedback impacts on the heterotrophic respiration carbon fluxes.
- MAGICC7 incorporates the latest science from IPCC AR6 and AR5; MAGICC7 was used in the IPCC WGI AR6 (IPCC 2021a).

E.4.3.2 Sea-Level Rise

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NHTSA estimated the projected changes in global mean sea level based on data from the IPCC WGI AR6 (IPCC 2021a).^{29, 30} The sea-level rise analysis uses global mean surface temperature data and projections from 1950 to 2100, and global mean sea-level rise data from 1950 to 2019 and projections from 2020 to

²⁷ MAGICC7, accessible for general use, is distributed under the Creative Commons Attribution-NonCommercial 4.0 International (CC BY-NC 4.0) license, which forbids commercial application. NHTSA has entered into a direct agreement with ClimateResource, the creators of MAGICC, to incorporate MAGICC7 modeling in this analysis.

²⁸ As a reduced-complexity model, MAGICC relies on a more limited number of potential climate and carbon cycle responses and a higher level of parameterization to proxy carbon cycle force than more complex models. Results from MAGICC (e.g., projected atmospheric CO₂ concentration in 2100) will, therefore, vary somewhat from those of more complex models (Meinshausen et al. 2011).

²⁹ Sea-level rise outputs from MAGICC7 were not used because this component of the model is still under development.

³⁰ In this EIS, the relationship between sea-level rise and global mean surface temperature developed using IPCC AR6 is used to estimate sea-level rise using global mean surface temperatures from AR6 for the SSP scenarios.

2100 under various SSP scenarios. These projections are based on the climate ensemble data of the SSP³¹ scenarios for sea level and temperature. Simple equations relating projected changes in sea level to projected changes in temperature are developed for each scenario using a regression model.

The regression models for the all the SSP scenarios were developed directly from their respective data. For example, the regression models for SSP2-4.5 were used to estimate sea-level rise for the SSP2-4.5 scenario. The temperature outputs of the MAGICC simulations are used as input to these regression models to project sea-level rise for each SSP scenario.³²

E.4.3.3 Ocean pH

NHTSA projected changes in ocean pH using the CO₂ System Calculations (CO2SYS) model, which calculates parameters of the CO₂ system in seawater and freshwater. This model translates levels of atmospheric CO₂ into changes in ocean pH. A lower ocean pH indicates higher ocean acidity, while a higher pH indicates lower acidity.³³ The model was developed by Brookhaven National Laboratory and Oak Ridge National Laboratory and is used by both the DOE and EPA. Orr et al. (2015) compared multiple ocean carbon system models and found that the CO2SYS model was more efficient at analyzing observed ocean chemistry data than other models.

This model uses two of four measurable parameters of the CO₂ system (total alkalinity, total inorganic CO_2 , pH, and either fugacity or partial pressure of CO_2) to calculate the remaining two input parameters. NHTSA used the CO2SYS model to estimate the pH of ocean water in the year 2040, 2060, and 2100 under the relevant No-Action Alternative and each of the action alternatives. For each action alternative, total alkalinity and partial pressure of CO₂ were selected as inputs. The total alkalinity input was held constant at 2,345 micromoles per kilogram of seawater and the projected atmospheric CO₂ concentration (ppm) data was obtained from MAGICC model runs using each action alternative. NHTSA then compared the pH values calculated from each action alternative to the relevant No-Action Alternative to determine the impact of the Proposed Action and alternatives on ocean pH.

E.4.3.4 Global Emissions Scenarios

In 2003, CCSP released the Strategic Plan for the U.S. Climate Change Science Program (CCSP 2003), which called for the preparation of 21 synthesis and assessment products addressing a variety of topics on climate change science, GHG mitigation, and adapting to the impacts of climate change. These scenarios used updated economic and technology data along with improved scenario development tools that incorporated knowledge gained over the years since the IPCC Special Report on Emissions Scenarios (IPCC 2000) was released. The strategy recognized that it would be important to have a consistent set of emissions scenarios so the whole series of synthesis and assessment products would have the same foundation. Three climate-modeling groups independently produced a unique emissions reference scenario with no implemented climate policies beyond the current set of policies in place and four additional stabilization scenarios with varying long-term radiative impacts for GHGs (CO2, N2O, CH4, hydrofluorocarbons [HFCs], perfluorocarbons, and sulfur hexafluoride). The no climate policy scenario

³² The MAGICC model runs simulations from a preindustrial starting point through the year 2100. Results of this analysis are

³¹ SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0, and SSP5-8.5.

shown for the years 2040, 2060, and 2100.

³³ Preindustrial average ocean pH was 8.2. The average pH of the world's oceans has decreased by 0.1 unit compared to the preindustrial period, bringing ocean pH to 8.1 (IPCC 2021a).

uses a set of assumptions about drivers such as population changes, economic growth, land and labor productivity growth, technological options, and resource endowments. The four additional stabilization scenarios represent various levels of implementation of global GHG emissions reduction policies and have been continuously updated with subsequent IPCC reports.

AR6 uses updated Global Climate Models and GHG concentration scenarios developed for the CMIP6. The newest GHG concentration scenarios are called SSPs and are designed to provide an expanded set of GHG concentrations based on a range of future socioeconomic conditions (Riahi et al. 2017). The SSPs are a series of projections representing a range of future climate change scenarios and development pathways that encompass various trajectories of global GHG emissions. Developed using complex Integrated Assessment Models, these pathways make assumptions about how population, education, energy use, technology, and more, could change over the next century and are coupled with assumptions about the level of ambition for and success with mitigating climate change. These socioeconomic factors and mitigation ambitions are translated into projections of future GHG emissions and resulting changes to climate indicators (Harrison 2021).

NHTSA adjusted the reference datasets to use these SSP scenarios in place of the previous RCP scenarios, which explore the effects of different emissions trajectories, resulting in various radiative forcing values.³⁴ However, unlike in SSPs, the socioeconomic characteristics that define RCPs are not standardized, making it difficult to map societal changes.

First, SSPs lay out possible socioeconomic conditions, land-use changes, and other human-caused climate drivers that influence GHG emissions, affecting ERF. Second, they describe socioeconomic characteristics that influence GHG emissions in a standardized manner, indicating the societal pathways associated with different levels of warming. Potential mitigation actions, such as limiting global temperature rise to below 2°C above preindustrial levels, can be "applied" within these baseline socioeconomic scenarios to evaluate their effectiveness in achieving various targets. Illustrated in Figure E.4.3-1 are temperature levels relative to preindustrial levels with historical temperatures (front light-yellow band), 2020 temperatures (white block in the middle) and branching of the respective scenarios over the 21st century along the five different SSP scenarios.

SSP scenarios model ERF, while previous RCP scenarios modeled RF.

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³⁴ "Radiative forcing (RF) describes the change in the net downward radiative flux from the top of the atmosphere after allowing for atmospheric temperatures, water vapor and clouds to adjust, but with surface temperature or a portion of surface conditions unchanged. All surface and tropospheric conditions are kept fixed for RF, whereas effective radiative forcing (ERF) allows all physical variables to respond to perturbations, except for those concerning the ocean and sea ice" (IPCC 2021a). The

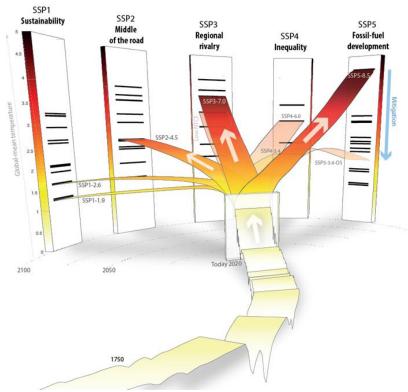


Figure E.4.3-1. The SSP Scenarios and Their Five Socioeconomic SSP Families

Source: Meinshausen et al. 2020 SSP = Shared Socioeconomic Pathway

A set of SSPs provide continuity with RCPs by modeling similar ERFs through the end of this century (e.g., SSP5-8.5 is a companion to RCP8.5). SSPs also consider a greater range of future aerosol concentrations, which drives a greater range of temperature projections (Riahi et al. 2017). The core set of five SSP scenarios in AR6 (SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0, SSP5-8.5) were chosen to ensure overlap with the existing RCP levels of ERF in the year 2100, while simultaneously presenting a broader array of potential mitigation and adaptation possibilities.

CMIP6 model ensembles using SSPs yield greater warming and a larger range of projected temperature and precipitation outcomes than the Coupled Model Intercomparison Project Phase 5 (CMIP5). Specifically, CMIP6 models project greater warming at the upper end of the 5 percent to 95 percent ensemble envelope for the high SSP5-8.5 scenario, and individual global climate models using SSP5-8.5 simulate warming greater than previously predicted (Tebaldi et al. 2021). For instance, the upper end (95th percentile) of warming through the end of the century under SSP5-8.5 is 5.7°C (10.3°F) (IPCC 2021b), while warming under RCP8.5 is 4.8°C (8.6°F) (IPCC 2013b). CMIP6 models also have larger climate sensitivities than CMIP5 (Zelinka et al. 2020; Hermans et al. 2021), meaning that, on average, CMIP6 models simulate larger global temperature change in response to increases in CO₂ concentrations. For example, effective climate sensitivity corresponding to CO₂ quadrupling increased from 3.7 to 8.4°F in CMIP5 to 3.2 to 10.1°F in CMIP6 (Zelinka et al. 2020).

MAGICC uses the SSP long-term emissions scenarios that represent different assumptions about key drivers of GHG emissions. As explained in more detail below, the direct and indirect impacts analysis uses the SSP3-7.0 scenario, and the cumulative impacts analysis uses the SSP2-4.5 scenario to represent

reference case global emissions scenarios. NHTSA chose the SSP3-7.0 scenario as a reference case for the direct and indirect impacts analysis for its incorporation of a comprehensive suite of GHG and pollutant gas emissions, including carbonaceous aerosols and a global context of emissions with a full suite of GHGs and ozone precursors. The SSP3-7.0 scenario yields an ERF of approximately 7.0 W/m² in the year 2100 and it is noted in the IPCC WGI AR6 as being a high emissions scenario, "in between RCP6.0 and RCP8.5." That assumes no successful, comprehensive global actions to mitigate GHG emissions (IPCC 2021a). SSP2-4.5 was chosen as a reference case for the cumulative impacts analysis because the scenario assumes an intermediate level of emissions with significant global cooperation to address climate change. Sections E.4.3.4.1, Global Emissions Scenario Used for the Direct and Indirect Impacts Analysis, through E.4.3.4.3, Other Past, Present, and Reasonably Foreseeable Future Actions, describe the differences among these scenarios and provide the rationale for use in each analysis.

E.4.3.4.1 Global Emissions Scenario Used for the Direct and Indirect Impacts Analysis

The results of the direct and indirect impacts analysis rely on the SSP3-7.0 scenario to represent a high reference case emissions scenario resulting from limited global cooperation on emissions mitigation efforts under the SSP3 socioeconomic development narrative. This scenario replaces the GCAMReference scenario used in the previous analysis. This scenario assumes there are no successful, comprehensive global actions to mitigate GHG emissions and yields atmospheric CO₂ levels of 800 ppm and an ERF of 7.0 W/m² in 2100. SSP3-7.0 has particularly high non-CO₂ emissions, including high aerosols emissions, which continue to increase over the 21st century. The IPCC refers to SSP3-7.0 as a high emissions scenario, where CO₂ emissions roughly double current levels by 2100, but increase less rapidly than the very high SSP5-8.5 scenario.

SSP3, the regional rivalry scenario, centers around high challenges to mitigation and adaptation. Policies are focused on security with significant barriers to international trade, high inequality, slow economic growth, low population growth in rich countries, and high population growth in the developing world. The pathway represents concerns about competitiveness and security, and policies become increasingly oriented toward national and regional security issues with countries focusing on energy and food security within their own regions, at the expense of broader development. Educational and technological investments decline, and economic development is slow. Consumption is material-intensive and there is a low international priority for addressing environmental concerns, leading to inequalities and strong environmental degradation in some regions (Riahi et al. 2017). SSP3 has higher climate mitigation costs and shows high challenges to adaptation in terms of income and trade features. Unlike SSP5, which faces high challenges to mitigation and low challenges to adaptation, fossil fuel use does not intensify in SSP3 and therefore there is less intense warming. Furthermore, SSP3 does not see inequality deepen as much as the SSP4 pathway, which faces low challenges to mitigation and high challenges to adaptation. SSP4 and SSP5 include distinctly bleaker views of a world with limited technology improvements and continued business-as-usual emissions projections (Fujimori et al. 2017).

The impact of each action alternative was simulated by calculating the difference between annual GHG emissions under the relevant No-Action Alternative and emissions under the action alternative and subtracting this change from the selected scenarios to generate modified global-scale emissions scenarios, which show the effects of the various regulatory alternatives on the global emissions path. The same methodology was used to analyze the impact of action alternatives under the CAFE standards, the HDPUV FE standards, and the combined set of alternatives.

For example, CO₂ emissions from passenger cars and LD trucks in the United States in 2040 under the No-Action Alternative are estimated to be 900 million metric tons carbon dioxide (MMTCO₂); the

emissions in 2040 under Alternative PC2LT4 (Preferred Alternative for CAFE standards) (Chapter 2, Section 2.2, *Proposed Action and Alternatives*) are estimated to be 883 MMTCO₂. For HDPUVs in the United States, CO₂ emissions in 2040 are estimated to be 145 MMTCO₂ under the No-Action Alternative and 142 MMTCO₂ under Alternative HDPUV10 (Preferred Alternative for HDPUV FE standards). Combining all vehicle classes, CO₂ emissions are estimated to be 1,045 MMTCO₂ in 2040 under the No-Action Alternative and 1,025 MMTCO₂ under the Preferred CAFE and Preferred HDPUV FE Alternatives. Therefore, projected emissions are expected to be 17 MMTCO₂ lower for passenger cars and LD trucks, 3 MMTCO₂ lower for HDPUVs, and 20 MMTCO₂ lower for both combined as a result of adopting the Preferred Alternative.

Global emissions in 2040 are estimated to be $58,498 \text{ MMTCO}_2$ under the SSP3-7.0 scenario. These global emissions are assumed to incorporate emissions from passenger cars, LD trucks, and HDPUVs in the United States under the No-Action Alternatives for the CAFE standards and HDPUV FE standards. Therefore, global emissions under the Preferred Alternative for all vehicle classes are estimated to be 20 MMTCO₂ less than the reference levels, or approximately $58,478 \text{ MMTCO}_2$ for SSP3-7.0 in 2040.

There are some inconsistencies between the overall assumptions used to develop SSP3-7.0 used by AR6 and the assumptions used in the CAFE Model in terms of economic growth, energy prices, energy supply, and energy demand. However, these inconsistencies affect the characterization of each action alternative in equal proportion, so the relative estimates provide a reasonable approximation of the differences in environmental impacts among the action alternatives.

E.4.3.4.2 Global Emissions Scenario Used for the Cumulative Impacts Analysis

The cumulative impacts analysis relies primarily on the SSP2-4.5 scenario to represent a reference case global emissions scenario that assumes a moderate level of global actions to address climate change and predicts CO₂ emissions would remain around current levels before starting to fall mid-century. The IPCC refers to SSP2-4.5 as an intermediate emissions scenario. NHTSA chose this scenario as a plausible global emissions baseline for the cumulative analysis because of the potential impacts of these reasonably foreseeable actions, yielding a moderate level of global GHG reductions from the SSP3-7.0 baseline scenario used in the direct and indirect analysis. The SSP2-4.5 scenario serves as a reference scenario against which the climate impacts of the Proposed Action and alternatives can be measured. This scenario yields atmospheric CO₂ levels of 568 ppm and an ERF of approximately 4.5 W/m² in the year 2100.

The timeframe for this analysis extends from 2040 through 2100 and the geographic area of interest is domestic and global because cumulative impacts of changes in GHG emissions occur on a domestic and global scale. This temporal and geographic focus is consistent with the analysis of direct and indirect GHG and climate change impacts as discussed in Chapter 5, *Greenhouse Gas Emissions and Climate Change*. Specific actions that support the use of the scenarios used in this analysis were included as examples in Section E.4.3.4.3, *Other Past, Present, and Reasonably Foreseeable Future Actions*. The methods NHTSA used to characterize the impacts of the Proposed Action and alternatives on climate are described above. The methods and assumptions for the cumulative analysis are largely the same as those used in the direct and indirect impacts analysis, except (1) the global emissions scenario used for the main cumulative analysis is SSP2-4.5, and (2) multiple global emissions scenarios are modeled in the sensitivity analysis.

SSP2, the middle of the road scenario, considers medium challenges to mitigation and adaptation that continue with current development patterns (Fricko et al. 2017). The pathway represents a world in

which social, economic, and technological trends do not shift markedly from historical patterns. Development and income growth proceed unevenly; institutions make slow progress in achieving sustainable development goals; environmental systems experience degradation, although there are some improvements; and overall, resource and energy use declines. Global population growth levels off in the second half of the century and income inequality persists or slowly improves, with challenges to reducing vulnerability to societal and environmental changes remaining (Riahi et al. 2017). Thus, NHTSA believes that SSP2-4.5 represents reasonable proxies for the past, present, and reasonably foreseeable GHG emissions through 2100, and is used for that purpose in this cumulative impact analysis on GHG emissions and climate change.

For the cumulative impact analysis, NHTSA calculated the difference in annual GHG emissions under the Proposed Action and alternatives compared to the relevant No-Action Alternative. NHTSA applied this change to the SSP2-4.5 scenario to generate modified global-scale emissions scenarios, which show the impact of the Proposed Action and alternatives on the global emissions paths.

For example, CO₂ emissions from passenger cars and LD trucks in the United States in 2040 under the No-Action Alternative are estimated to be 900 MMTCO₂; the emissions in 2040 under Alternative PC2LT4 (Preferred Alternative for CAFE standards) (Chapter 2, Section 2.2, *Proposed Action and Alternatives*) are estimated to be 883 MMTCO₂. For HDPUVs in the United States, CO₂ emissions in 2040 are estimated to be 145 MMTCO₂ under the No-Action Alternative and 142 MMTCO₂ under Alternative HDPUV10 (Preferred Alternative for HDPUV FE standards). Combining all vehicle classes, CO₂ emissions are estimated to be 1,045 MMTCO₂ in 2040 under the No-Action Alternative and 1,025 MMTCO₂ under the Preferred CAFE and Preferred HDPUV FE Alternatives. Therefore, projected emissions are expected to be 17 MMTCO₂ lower for passenger cars and LD trucks, 3 MMTCO₂ lower for HDPUVs, and 20 MMTCO₂ lower for both combined as a result of adopting the Preferred Alternative.

Global emissions in 2040 are estimated to be $44,253 \text{ MMTCO}_2$ under the SSP2-4.5 scenario. These global emissions are assumed to incorporate emissions from passenger cars, LD trucks, and HDPUVs in the United States under the No-Action Alternatives for the CAFE standards and HDPUV FE standards. Therefore, global emissions under the Preferred Alternative for all vehicle classes are estimated to be 20 MMTCO₂ less than the reference levels, or approximately $44,233 \text{ MMTCO}_2$ for SSP2-4.5 in 2040.

To evaluate the sensitivity of the results to a reasonable range of alternative emissions scenarios, NHTSA also used the SSP1-2.6 and SSP3-7.0 scenarios. The SSP1-2.6 scenario is considered a more aggressive stabilization scenario that illustrates a "green growth strategy" that stabilizes the anthropogenic components of ERF at 2.6 W/m² and has atmospheric CO_2 levels at 437.66 ppm in 2100. In this scenario, there are low challenges to adaptation and mitigation. The scenario is used in place of the optimistic RCP2.6 scenario and was designed with the aim of simulating a development that is compatible with a 2° C target.

SSP1, the sustainability scenario, is based on minimal challenges to mitigation and adaptation, policy focused on sustainable development, effective international cooperation, reduced inequality, low consumption, and low population growth. The pathway represents a world that shifts gradually toward a more sustainable path, emphasizing development that respects environmental boundaries. Resource management slowly improves, investments in education and health accelerate the demographic transition, and the emphasis on economic growth shifts toward human well-being. Driven by an increasing commitment to achieving development goals, inequality is reduced both across and within countries, and consumption is oriented toward lower material growth and resource and energy intensity (Riahi et al. 2017).

This green growth paradigm shows how GHG and air pollutant emissions and global land use could develop in very different directions based on societal trends in the energy and agriculture sectors. SSP1 shows how a combination of resource efficiency, preferences for sustainable production methods, and investment in human development could lead to lower anthropogenic GHG emissions and land use in 2100 than in 2010. This scenario could be a basis for further discussion on how climate policy can be combined with achieving other societal goals (van Vuuren et al. 2017).

E.4.3.4.3 Other Past, Present, and Reasonably Foreseeable Future Actions

NHTSA chose the SSP2-4.5 scenario as the primary global emissions scenarios for evaluating climate impacts for the cumulative impacts analysis because regional, national, and international initiatives and programs now in the planning stages or already underway indicate that a moderate reduction in the growth rate of global GHG emissions is reasonably foreseeable in the future.

The following initiatives and programs are evidence of the past, present, or reasonably foreseeable future actions that would affect GHG emissions. Global and domestic actions to reduce GHG emissions indicate that a moderate reduction in the growth rate of global GHG emissions is reasonably foreseeable in the future. NHTSA used these scenarios to assess the impacts of the Proposed Action and alternatives when reasonably foreseeable increases in global GHG emissions are taken into account. Although it is not possible to quantify the precise GHG effects associated with these actions, policies, or programs when taken together (and NHTSA does not attempt to do so), collectively they illustrate an existing and continuing trend of U.S. and global awareness, emphasis, and efforts toward substantial GHG reductions. Therefore, a scenario that accounts for an intermediate emissions pathway with moderate reductions in the rate of global GHG emissions, such as the SSP2-4.5 scenario, can be considered reasonable under NEPA.

United States: Regional and State Actions

The following actions in the United States are already underway or reasonably foreseeable.

• Regional Greenhouse Gas Initiative (RGGI). Launched on January 1, 2009, RGGI was the first mandatory, market-based effort in the United States to reduce GHG emissions (RGGI 2009). The initiative now includes the following 12 Northeast and Mid-Atlantic states: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Virginia.³⁵ Initially, RGGI states agreed to cap annual emissions from power plants in the region at 188 MMTCO₂ for 2009 through 2011, and 165 MMTCO₂ for 2012 through 2013 (RGGI 2014; Block 2014). In 2013, RGGI states lowered the regional emissions cap to 91 MMTCO₂ for 2014. The RGGI CO₂ cap then declined 2.5 percent per year from 2015 through 2020 (RGGI 2021). RGGI states plan to reduce the overall cap by 30 percent between 2020 and 2030 (RGGI 2021). The proposed changes include an 11-state cap of 119.8 MMTCO₂ in 2021, which will decline to 86.9 MMTCO₂ in 2030 (RGGI 2021). Including Pennsylvania, the 2022 cap was 156.8

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³⁵ New Jersey was a part of RGGI at its founding but dropped out of the program in May 2011. On January 29, 2018, New Jersey Governor Phil Murphy signed an executive order directing the state to rejoin RGGI, and the state officially rejoined in 2019. Virginia joined RGGI in July 2020. On October 3, 2019, Pennsylvania Governor Tom Wolf issued an executive order instructing the state's Department of Environmental Protection to join RGGI. In April 2022 the state officially joined; however, as of July 2022, the Commonwealth Court of Pennsylvania reinstated an injunction on implementation and enforcement of RGGI regulation (PA DEP 2022).

- MMTCO₂; however, due to a Pennsylvania court injunction, Pennsylvania is not releasing any allowances during 2022. Therefore, the 11-state cap was 116.1 MMTCO₂ in 2022 (RGGI 2022).
- California 2016 Greenhouse Gas Reduction Legislation (Senate Bill 32). In 2016, California passed Senate Bill 32, which codifies into law a GHG emissions reduction target of 40 percent below 1990 levels by 2030, equivalent to an absolute level of 260 MMTCO₂e (California Air Resources Board [CARB] 2017). Initiatives to support this goal seek to reduce GHGs from cars, trucks, electricity production, fuels, and other sources. GHG-reduction measures under CARB's 2017 proposed scoping plan update include a continuation of the state's cap-and-trade program, a renewables portfolio standard, reduction of electric sector GHG emissions through the integrated resources plan process, low carbon fuel standards, zero-emission and plug-in hybrid LD electric vehicle (EV) deployment, medium- and heavy-duty vehicle GHG regulations, VMT reduction programs, the Short-Lived Climate Plan to reduce non-CO₂ GHGs, and refinery sector GHG regulations (CARB 2017).³⁶ CARB released a proposed scoping plan update in 2022 that supported a goal of 100 percent zeroemission sales of LD vehicles by 2030 and medium- and heavy-duty vehicles by 2040, a 20 percent zero-emission target for the aviation transportation sector, and reduced per capita VMT by 25 percent of 2019 levels by 2030 (CARB 2022a). Each of these measures is either a known commitment, already underway, or required. The cap-and-trade program took effect in 2013 for electric generation units and large industrial facilities and expanded in 2015 to include ground transportation and heating fuels (C2ES 2014). The known commitments are projected to reduce GHG emissions by 48 percent of 1990 levels by 2030 (CARB 2022b).
- U.S. Climate Alliance. Twenty-four U.S. governors have committed to reduce GHG emissions in their respective jurisdictions consistent with the goals of the Paris Agreement. Alliance members have committed to implement policies that will reduce emissions at least 50 to 52 percent below 2005 levels by 2030 and achieve overall net-zero emissions as soon as practicable and before 2050 (U.S. Climate Alliance 2021). In 2005, emissions from Alliance members totaled approximately 2.8 gigatons (Gt) of CO₂ (U.S. Energy Information Administration 2018a, 2018b). From 2005 to 2020, Alliance members reduced emissions by 24 percent (U.S. Climate Alliance 2022). Based on policies in place in 2022, Alliance members are projected to achieve the reduction target of 26 to 28 percent below 2005 levels by 2025 (U.S. Climate Alliance 2022).
- Zero-Emission Vehicle (ZEV) Mandates. In March 2012, California Governor Jerry Brown issued an Executive Order (E.O.) establishing several milestones on a path toward 1.5 million ZEVs in California by the year 2025 (California Office of the Governor 2013). Since 2013, California has created three ZEV action plans for obtaining this goal and introducing new goals; most recently with the goal of 5 million ZEVs by 2030 (California Governor's Office of Business and Economic Development 2021). In addition to these goals, California has issued several mandates with more details on California's ZEV plans of action. In 2015, the state updated the California Code of Regulations (CCR) at 13 CCR § 1962.2, which regulated the minimum ZEV credit percentage requirements for passenger cars, LD trucks, and medium-duty vehicles for MY 2018 and later. In 2018, this ZEV minimum percentage requirement was 4.5 percent, increasing to 22.5 percent for MY 2025 and beyond. In September 2020, California Governor Gavin Newsom established through E.O. N-79-20 new targets for ZEVs including 100 percent of in-state sales of new passenger vehicles and drayage trucks to be zero-

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³⁶ In September 2019, NHTSA issued a final rule that established regulatory text explicitly preempting state and local laws relating to fuel economy standards established under the Energy Policy and Conservation Act. As part of that action, EPA also withdrew the waiver it had previously provided to California for that State's GHG and ZEV programs under Section 209 of the Clean Air Act. The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program; Final Rule, 84 FR 51310 (Sept. 27, 2019).

- emission by 2035, with medium- and heavy-duty vehicles to follow in 2045 (California Governor's Office of Business and Economic Development 2021). As of 2022, 14 states (the "Section 177" states³⁷), making up more than one-third of total new car sales in the United States, have adopted either ZEV mandates identical to California's or ones with variations (C2ES 2022).
- California Actions on Emissions. In August 2020, California formalized bilateral agreements with six automakers to continue its emissions reduction framework developed in 2019 (CARB 2019). These six automakers are BMW (of America), Ford, Honda, Volkswagen (of America), Audi, and Volvo. The framework agreement continues annual reductions of LD vehicle GHG emissions through MY 2026 under approximately the same rates as the standards set by EPA in 2012 (CARB 2020). The states that have previously adopted these California standards (the same 13 that adopted the ZEV mandates) have also supported California's GHG vehicle framework agreements. In March 2022, EPA confirmed the Clean Air Act (CAA) waiver of preemption for California's ZEV sales mandate and GHG emissions standards.³⁸

United States: Federal Actions

The following Federal actions are already underway or reasonably foreseeable.

- NHTSA Fuel Economy Standards for MYs 2024–2026. On March 31, 2022, NHTSA issued this final rule to establish standards that would require an industry-wide fleet average of approximately 49 mpg for passenger cars and light trucks in MY 2026, by increasing fuel efficiency by 8 percent annually for MYs 2024 and 2025, and 10 percent annually for MY 2026. The agency projects the final standards will avoid consumption of about 234 billion gallons of gas between MYs 2030 and 2050, and will reduce CO₂ emissions by 2.5 billion metric tons. EPA issued a separate final rule setting GHG standards for passenger cars and light trucks for MYs 2023 through 2026.³⁹
- NHTSA Fuel Efficiency (FE) and GHG Standards for Medium- and Heavy-Duty Engines and Vehicles and the EPA Clean Trucks Plan. NHTSA, in coordination with EPA and in response to the requirements in the Energy Independence and Security Act (EISA) of 2007, intends to propose new FE standards for MYs 2030 and beyond for medium- and heavy-duty vehicles by July 2024. 40 Through this, NHTSA will propose the next phase (Phase 3) of the Medium and Heavy Vehicle Fuel Efficiency Standards program. In Phase 2, NHTSA tailored the standards to different regulatory categories of HD vehicles based on fuel type, duty cycle, vehicle application, etc., and is currently seeking comments on how to tailor Phase 3 FE standards to these regulatory categories. In August 2021, EPA also announced the Clean Trucks Plan, which aims to reduce GHG emissions and other air pollutants from HD trucks through a series of rulemakings over 3 years. The regulatory actions include setting stronger NO_X standards for HD trucks and tightening "Phase 2" GHG emissions beginning in MY 2027, setting stronger emissions standards for medium-duty commercial vehicles beginning in MY 2027, and setting "Phase 3" GHG standards for HD vehicles beginning in MY 2030

³⁷ Section 177 states refers to the U.S. states that have adopted California's criteria pollutant and GHG emissions regulations under Section 177 of the Clean Air Act (42 U.S.C. 7507).

³⁸ California State Motor Vehicle Pollution Control Standards; Advanced Clean Car Program; Reconsideration of a Previous Withdrawal of a Waiver of Preemption; Notice of Decision, 87 FR 14332 (Mar. 14, 2022).

³⁹ Revised 2023 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions Standards; Final Rule, 86 FR 74434 (Dec. 30, 2021).

⁴⁰ NHTSA Fuel Efficiency and Greenhouse Gas Standards for Medium and Heavy-Duty Engines and Vehicles https://www.regulations.gov/document/NHTSA-2022-0076-0001.

- that are significantly stronger than the MY 2027 GHG standards (EPA 2021g). In December 2022, EPA finalized the strongest-ever national clean air standards to cut smog- and soot-forming emissions from HD trucks beginning with MY 2027, as part of this plan (EPA 2022n).
- NHTSA and EPA Joint Rule on Fuel Economy and GHG Emissions Standards for LD Vehicles. In August 2012, NHTSA and EPA issued joint final rules to further improve the fuel economy of and reduce CO₂ emissions for passenger cars and light trucks, as described in Chapter 1, Purpose and Need for the Action. The standards were projected to reduce average CO₂ emissions from new U.S. LD vehicles by 3.5 percent per year for MYs 2017–2021 (NHTSA and EPA 2011). Since the implementation of this joint rule, 10 of the 14 largest vehicle manufacturers selling cars in the U.S. market have made improvements to both fuel economy and CO₂ emissions. Between 2012 and 2019, the industry decreased CO₂ emissions by 21 gallons per mile and increased fuel economy by 1.3 mpg (EPA 2020l).
- NHTSA and EPA Joint Phase 1 Rule on GHG Emissions and FE Standards for Medium- and Heavy-Duty Vehicles, MYs 2014–2018. On September 15, 2011, NHTSA and EPA published the Phase 1 joint final rules to establish FE and CO₂ standards for commercial medium- and heavy-duty on-highway vehicles and work trucks. The agencies' standards apply to highway vehicles and engines that are not regulated by the LD vehicle CAFE and CO₂ standards. NHTSA's Phase 1 mandatory standards for HD vehicles and engines began for MY 2016 vehicles, with voluntary standards for MYs 2014–2015. EPA's mandatory standards for HD vehicles began for MY 2014 vehicles. The combined standards were projected to reduce CO₂ emissions by approximately 270 MMTCO₂e over the lifetime of vehicles built during MYs 2014–2018 (NHTSA 2011).
- NHTSA and EPA Joint Phase 2 Rule on GHG Emissions and FE Standards for Medium- and Heavy-Duty Vehicles, MYs 2018–2027. In August 2016, NHTSA and EPA published the Phase 2 joint final rule to reduce fuel consumption and GHG emissions from HD vehicles. As with the Phase 1 standards, the Phase 2 fuel consumption and CO₂ standards apply to highway vehicles and engines that are not regulated by the LD vehicle CAFE and CO₂ standards. NHTSA and EPA Phase 2 standards apply to MYs 2021–2027 for HD vehicle engines, Classes 7 and 8 tractors (combination heavy-haul tractors), Classes 2 through 8 vocational vehicles (buses and work trucks), and Classes 2b and 3 HDPUVs (large pickup trucks and vans). The combined standards were projected to reduce GHG emissions by approximately 1,100 MMTCO₂e over the lifetime of vehicles sold during MYs 2018–2027 (NHTSA 2016b).
- E.O. 14037, Strengthening American Leadership in Clean Cars and Trucks. In E.O. 14037, ⁴¹ President Biden directed NHTSA and EPA to consider multiple actions to regulate the fuel efficiency of and CO₂ emissions from post-MY 2026 light-, medium-, and heavy-duty vehicles.
- Renewable Fuel Standard 2 (RFS2). Section 211(o) of the CAA requires that a renewable fuel standard be determined annually that is applicable to refiners, importers, and certain blenders of gasoline and diesel fuel. Based on this standard, each obligated party determines the volume of renewable fuel that it must ensure is consumed as motor vehicle fuel. RFS2, which went into effect July 1, 2010, increases the volume of renewable fuel required to be consumed in the transportation sector from the baseline of 9 billion gallons in 2008 to 36 billion gallons by 2022, as written in 2010. Since 2014, the volumetric requirements have been modified to account for lower-than-expected growth in advanced and cellulosic biofuels (EPA 2015c).⁴² The increased use of renewable fuels over

⁴¹ E.O. 14037, Strengthening American Leadership in Clean Cars and Trucks, 86 FR 43583 (Aug. 10, 2021).

 $^{^{42}\,}https://www.epa.gov/renewable-fuel-standard-program/final-renewable-fuel-standards-2014-2015-and-2016-and-biomass-based.$

30 years, given a zero percent discount rate, is projected to reduce GHG emissions by 4,500 MMTCO₂e.

- U.S. Appliance and Equipment Standards Program. The National Appliance Energy Conservation Act of 1987 established minimum efficiency standards for many household appliances and has been authorized by Congress through several statutes. Since its inception, the program has implemented additional standards for more than 60 products, which represent about 90 percent of home energy use, 60 percent of commercial building use, and 30 percent of industrial energy use (DOE 2017). The program has avoided more than 3,000 MMTCO₂ and is expected to reduce GHG emissions by 7,900 MMTCO₂e annually by 2030 (DOE 2016).
- Final Rule to Redefine Terms under DOE Lighting Efficiency Standards. In 2007, EISA directed DOE to conduct a rulemaking on efficiency standards for general service lamps (GSLs) and other incandescent lamps. In January 2017, DOE issued a final rule that revised and expanded the definition for GSL to include a broader range of incandescent lightbulbs, including those used for decorative and less-common purposes than general lighting (EPA 2017b). In February 2019, DOE issued a notice of proposed rulemaking to rescind the 2017 amendments, arguing that the definition revisions were not lawful according to the 2007 rulemaking directive (EPA 2019c). The rule to rescind the amendments was finalized in September 2019. The energy savings potential of the 2017 standards was estimated to be 27 quadrillion BTUs for lamps shipped between 2020 and 2049 (Kantner et al. 2017). The proposal had the potential to reduce GHG emissions by 540 MMTCO₂e by 2030 (Kantner et al. 2017). In May 2021, DOE announced that it is re-evaluating its determination from 2019—that the Secretary of Energy was not required to implement the statutory backstop requirement for GSLs—possibly reinstating the 2017 revision (DOE 2021b). On May 9, 2022, the proposed rulemaking was finalized by DOE to reinstate the 2017 revision for GSLs and other supplemental definitions. This final rule entered effect in July 2022 (DOE 2022j).
- Revisions to the Methane New Source Performance Standards (NSPS) Rule. In 2016, the NSPS rule that targets controlling CH₄ and VOC leaks from oil and gas operations was finalized. In 2020, EPA issued two final rules that amended the 2016 NSPS. The first, published on September 14, 2020, finalized changes to the prior standards that remove oil and gas transmission and storage operations and associated CH₄ emissions limits (policy amendments final rule).⁴³ The second, published on September 15, 2020, finalized technical changes to the prior standards that lowered leak mitigation requirements for compressor stations in the oil and gas industry and eliminated leak mitigation requirements for the industry's low-production wells, among other changes (technical amendments final rule).⁴⁴ In June 2021, President Biden signed a Congressional Review Act resolution to disapprove (repeal) the policy amendments final rule.⁴⁵ EPA has announced its intention to reconsider the technical amendments final rule.⁴⁶ If the technical amendments final rule remains in place, CH₄ emissions can be expected to increase by 10 MMTCO₂e by 2030.⁴⁷ In November 2021, EPA proposed a new rule that would significantly reduce emissions from the crude oil and natural

⁴³ Oil and Natural Gas Sector: Emission Standards for New, Reconstructed, and Modified Sources Review; Final Rule, 85 FR 57018 (Sept. 14, 2020).

⁴⁴ Oil and Natural Gas Sector: Emission Standards for New, Reconstructed, and Modified Sources Reconsideration; Final Rule, 85 FR 57398 (Sept. 15, 2020).

⁴⁵ Pub. L. No. 117-23, S.J.Res.14 (June 30, 2021).

⁴⁶ Spring 2021 Unified Agenda of Regulatory and Deregulatory Actions, RIN 2060-AV16. Available at: https://www.reginfo.gov/public/do/eAgendaMain (last accessed June 22, 2021).

⁴⁷ Oil and Natural Gas Sector: Emission Standards for New, Reconstructed, and Modified Source Reconsideration; Final Rule, 85 FR 57398, 57434 (Sept. 15, 2020).

gas industries.⁴⁸ The rule would revise NSPS for new sources and propose guidelines under the CAA for states to follow in developing new performance standards for existing sources. In total, this action could reduce CH₄ emissions by 41 million tons through 2035 (EPA 2021h). On December 6, 2022, EPA issued a supplement to this proposed rulemaking to expand the rule to additional sources, strengthen the standards, make amendments in response to public comments, and propose a timeline and other implementation requirements for states (EPA 2022o).

- Infrastructure Investment and Jobs Act. 49 On November 15, 2021, the Infrastructure Investment and Jobs Act was signed into law. This bipartisan infrastructure bill authorizes funds for Federal-aid highways, highway safety programs, and public transit programs. Among other provisions, this legislation will invest \$7.5 billion to build a network of EV chargers in the United States and \$39 billion to improve public transit infrastructure in addition to the reauthorization of existing transit programs. This investment will include replacing existing public vehicles with ZEVs, as well as expanding and improving public transit options across the country, including the largest investment in passenger rail since Amtrak was authorized in 1970. The transportation sector is the largest single source of GHG emissions in the United States. Improving access to and quality of public transit systems will reduce GHG emissions via reduced dependency on single-occupancy vehicles. The bill also aims to build more climate-resilient transmission lines to facilitate the expansion of renewables at lower costs. Combined with the Inflation Reduction Act (IRA), actions from these two pieces of legislation are estimated to reduce emissions by 1,150 MMTCO₂e in 2030 (DOE 2022k).
- E.O. 14008, Tackling the Climate Crisis at Home and Abroad. President Biden signed E.O. 14008 on January 27, 2021, to prioritize tackling climate change in both domestic and international policy. The E.O. takes a whole-of-government approach to addressing climate change, establishing the White House Office of Domestic Climate Policy, the National Climate Task Force, and other interagency working groups to facilitate a cohesive government-wide approach to climate change that prioritizes job creation, economic opportunity, and environmental justice.
- Inflation Reduction Act. In August 2022, the IRA was signed into law, representing the most significant action Congress has yet to take on clean energy and climate change. The IRA is a 10-year plan that includes \$369 billion in clean energy programs and incentives (e.g., tax credits) across the U.S. economy, including in the power, industry, buildings, transportation, and agriculture and forestry sectors. The IRA provides clean vehicle credits for new and used EVs; removes the cap for the DOE program that provides loans to facilities manufacturing advanced vehicles that emit a low amount of GHGs or no GHGs; provides incentives to replace eligible medium-duty and HD vehicles with ZEVs; increases funding for the EPA program that gives grants, rebates, and loans under the Energy Policy Act of 2005 to identify and reduce diesel emissions resulting from goods movement facilities and vehicles servicing those facilities in low-income and disadvantaged communities; and provides funding to the U.S. Postal Service for purchasing zero-emission delivery vehicles and installing related infrastructure. Additionally, it builds on the Infrastructure Investment and Jobs Act and advances the Justice 40 Initiative, which commits to delivering 40 percent of the overall benefits of climate, clean energy, and related Federal investments to communities that are

⁴⁸ Standards of Performance for New, Reconstructed, and Modified Sources and Emissions Guidelines for Existing Sources: Oil and Natural Gas Sector Climate Review; Proposed Rule, 86 FR 63110 (Nov. 15, 2021).

⁴⁹ Infrastructure Investment and Jobs Act, Notice of Implementation, 86 FR 64335 (Nov. 15, 2021).

⁵⁰ E.O. 14008, Tackling the Climate Crisis at Home and Abroad, 86 FR 7619 (January 27, 2021).

⁵¹ H.R.5376 - inflation reduction act of 2022 - congress. (n.d.). Retrieved January 20, 2023, from https://www.congress.gov/bill/117th-congress/house-bill/5376.

- marginalized, overburdened by pollution, and underserved by infrastructure and other basic services (U.S. White House 2023b). Combined with the Infrastructure Investment and Jobs Act, actions from these two pieces of legislation are estimated to reduce emissions by 1,150 MMTCO₂e in 2030 (DOE 2022k).
- Regulations on HFCs. On December 27, 2020, the American Innovation and Manufacturing (AIM) Act was enacted by Congress. The AIM Act directs EPA to address the environmental impact of HFCs by phasing down production and consumption, maximizing reclamation and minimizing releases from equipment, and facilitating the transition to next-generation technologies through sector-based restrictions. Specifically, the AIM Act directs EPA to phase down production and consumption of HFCs to 15 percent of their baseline levels in a stepwise manner by 2036 through an allowance allocation and trading program. On October 11, 2022, EPA published its list of annual HFC allowances for the production and consumption of HFCs in 2023. This action is expected to reduce GHG emissions by 4,700 MMTCO₂ from 2022 to 2050 (EPA 2021i). On October 14, 2021, EPA issued a decision to grant or partially grant petitions requesting EPA restrict the use of HFCs in the refrigeration and air conditioning, aerosols, and foams sectors. EPA will complete a rulemaking within 2 years of the date the petitions were granted. EPA continues to receive, evaluate, and grant or deny petitions within 180 days of receipt.
- United States and the Paris Agreement. On April 22, 2021, President Biden submitted a Nationally Determined Contribution to the United Nations Framework Convention on Climate Change (UNFCCC) secretariat, with a target for the United States to achieve a 50 to 52 percent reduction in economy-wide net GHG pollution from 2005 levels by 2030. This target was submitted under the Paris Agreement, which entered into force on November 4, 2016. The United States formally withdrew from the Paris Agreement in November 2020, but then officially rejoined in February 2021. The Paris Agreement's goal is to limit global average temperature increase to well below 2°C (3.6°F) above preindustrial levels and pursue efforts to limit the increase to 1.5°C (2.7°F).
- The Long-Term Strategy of the United States: Pathways to Net-Zero GHG Emissions by 2050. In November 2021, the United States submitted its long-term strategy to the UNFCCC, communicating a goal of net-zero emissions by 2050. This document lays out how the United States plans to achieve both the near-term 2030 GHG target and the longer-term 2050 target. To achieve these goals, the long-term strategy lays out multiple pathways the United States could take, all of which include "five key transformations" including decarbonizing electricity, electrifying end uses and switching to clean fuels, cutting energy waste, reducing non-CO₂ emissions, and scaling up CO₂ removal (U.S. State Department and U.S. Executive Office of the President 2021).

International Actions

The following international actions are already underway or reasonably foreseeable:

- UNFCCC and the Annual Conference of the Parties. This international treaty was signed by many
 countries around the world (including the United States). It entered into force on March 21, 1994,
 and sets an overall framework for intergovernmental efforts to tackle the challenge posed by
 climate change (UNFCCC 2002).
- **Kyoto Protocol.** The Kyoto Protocol is an international agreement linked to the UNFCCC. The major feature of the Kyoto Protocol is its binding targets for 37 industrialized countries and the European Community for reducing GHG emissions, which covers more than half of the world's GHG emissions. These reductions amount to approximately 5 percent of 1990 emissions over the 5-year period 2008 through 2012 (UNFCCC 2014). The December 2011 COP-17 held in Durban, South Africa, resulted in

- an agreement to extend the imminently expiring Kyoto Protocol. The Doha Amendment, adopted at COP-18 in Doha, Qatar, included new commitments and revised gases for tracking in the Second Commitment Period, whose parties differed from the first (UNFCCC 2014). The Second Commitment Period took effect on January 1, 2013, ran through December 2020, and required parties to reduce emissions by at least 18 percent below 1990 levels by 2020, a metric that was on pace to be exceeded (UNFCCC 2020). The Paris Agreement, ratified in 2015, supersedes the Kyoto Protocol (UN 2022).
- Paris Agreement. At COP-21, the Paris Agreement was adopted, which emphasizes the need to limit global average temperature increase to well below 2°C (3.6°F) above preindustrial levels and pursue efforts to limit the increase to 1.5°C (2.7°F). The agreement urged countries to commit to a GHG reduction target by 2020 and to submit a new reduction target that demonstrates progress every 5 years thereafter. The UN will analyze progress on global commitments in 2023 and every 5 years thereafter. As of January 2023, 194 parties (193 countries plus the European Union [EU]), including the United States, comprising over 97 percent of global GHG emissions had ratified, accepted, or approved the Paris Agreement (WRI 2023; UN 2023a). Initial GHG emissions reduction targets announced by country signatories to the Paris Agreement are expected to result in global emissions that are 3.6 Gt lower in 2030 than projected from pre-Paris national pledges (UNFCCC 2015). Based on country pledges from the Paris Agreement, global GHG emissions in 2030 are expected to be lower than those under the highest emissions scenario (RCP8.5) but higher than those under RCP4.5 and RCP6.0 (UNFCCC 2015). While the commitments to reduce GHG emissions cannot be extrapolated into a trend (i.e., there is significant uncertainty surrounding emissions before and after 2030), they demonstrate global action to reduce the historical rate of GHG emissions growth. A recent report by the UN finds that current commitments by the parties, if attained, will limit projected warming to about 2.5°C by 2100, but indicates an urgent need for more ambitious Nationally Determined Contributions (NDCs), or significant overachievement of the most recent NDCs to limit warming to below 2°C (UNFCCC 2022a).
- Additional UNFCCC and COP Decisions and Actions. COP-26 emphasized the need to attain net-zero emissions by 2050 by phasing out coal, accelerating the shift to EVs, and by ending and reversing deforestation. Over 130 countries have pledged to reach net-zero emissions by midcentury. The most recent COP-27, held in Sharm El-Sheikh, Egypt, reaffirmed commitments to limit global temperature rise to 1.5°C (2.7°F). Additional outcomes included the launch of the Forest and Climate Leaders' Partnership to end forest loss by 2030, and an agreement to create a loss and damage fund to provide financial assistance to developing countries that are vulnerable to climate change (UNFCCC 2022b).
- Montreal Protocol. The Montreal Protocol is an international agreement, adopted in September 1987, to limit the production and use of ozone-depleting substances (ODS), such as hydrochlorofluorocarbons (HCFCs) and chlorofluorocarbons (CFCs) that are used in refrigeration and air-cooling systems. The treaty received universal ratification and it is estimated that the Parties of the Protocol have reduced the use of ODS by 98 percent compared to 1990 levels. The Kigali Amendment added HFCs to the list of identified substances to phase down starting in 2016. HFCs were initially used to replace ODS, but their high GWP led the parties to add HFCs to the list of controlled substances, with the goal of reducing their use by over 80 percent by the late 2040s (UN 2023b). The amendment is expected to avoid more than 80 billion metric tons of CO₂e by 2050—equivalent to 0.5°C of warming by 2100 (EPA 2022p).
- Global Methane Pledge. On November 2, 2021, more than 100 countries representing 70 percent of the global economy and nearly half of anthropogenic CH₄ emissions signed a pledge to reduce global CH₄ emissions to help limit warming to 1.5°C (2.7°F) (EU 2021). The Global Methane Pledge

spans both developing and developed nations and commits to a reduction in global CH₄ levels reaching at least 30 percent reduction from 2020 levels by 2030. If the plans of the Pledge are met, warming could be reduced by at least 0.2°C (0.36°F) by 2050, providing a significant basis for global emissions reduction and climate mitigation efforts (U.S. White House 2021). The Global Methane Pledge also provides co-benefits for improved air quality, mitigation of health issues, and reduction of agricultural losses. As of November 2022, 150 countries have endorsed the Global Methane Pledge, and the United States, EU, and 11 additional countries finalized the Global Methane Pledge Energy Pathway with detailed steps on how to accelerate CH₄ emissions reductions, specifically in the fossil fuel sector (U.S. State Department 2022).

- The EU GHG Emissions Trading System. In January 2005, the EU Emissions Trading System commenced operation as the largest multicountry, multisector GHG emissions trading system worldwide (EU 2018). The aim of the system is to help EU member states achieve compliance with their commitments under first the Kyoto Protocol and now the Paris Agreement (EU 2015). This trading system does not entail new environmental targets; instead, it allows for less expensive compliance with existing targets. The scheme is based on Directive 2003/87/EC, which entered into force on October 25, 2003 (EU 2015) and covers about 10,000 energy-intensive installations across the EU. This represents 40 percent of Europe's emissions of CO₂ (EU 2018). These installations include commercial aviation, combustion plants, oil refineries, iron and steel plants, and factories making cement, glass, lime, brick, ceramics, pulp, and paper (EU 2018). To achieve climate neutrality in the EU by 2050, the EU Emissions Trading System is under review with the aim to expand the scope of coverage, but also update its target by reducing GHGs to at least 55 percent below 1990 levels by 2030 (EU 2020). Installations covered by the Emissions Trading System reduced emissions by about 35 percent between 2005 and 2019 (EU no date). The Emissions Trading System was updated under the Phase 4 Revision in 2021 to enact new measurers in order to meet the 2030 goal of reducing net emissions by at least 55 percent, including setting up new funds to support low-carbon power and more targeted rules on carbon leakage (European Commission 2023).
- Fuel Economy Standards in Asia. Both Japan and China have taken actions to reduce fuel use, CO₂ emissions, and criteria pollutant emissions from vehicles. Japan has invested heavily in research and development programs to advance fuel-saving technologies, has implemented fiscal incentives such as high fuel taxes and differential vehicle fees, and has mandated fuel economy standards based on vehicle weight class (using country-specific testing procedures [Japan 1015/JC08]). In 2015, Japan's Ministry of Land, Infrastructure, Transport, and Tourism finalized new fuel economy standards for light and medium commercial vehicles sold in 2022 that are a 23 percent increase from the 2015 prevailing standard (International Council on Clean Transportation [ICCT] 2015). Similarly, China has implemented fuel economy standards, based on the Worldwide Harmonized Light-duty Test Cycle instead of the previously used New European Driving Cycle. In December 2019, China set new standards for passenger vehicles produced or imported to an average target of 59 mpg. In June 2019, Japan issued new standards that require the average fleet fuel economy in 2030 to be above 60 mpg (Yang and Rutherford 2019).
- China EV Targets. China has established a program that effectively sets quotas for plug-in electric vehicles (PEVs) and fuel cell electric vehicles, under which PEVs and fuel cell electric vehicles were expected to make up at least 10 percent of each automaker's sales in China in 2019, and 12 percent in 2020 (ICCT 2021). Subsequent targets under Phase 2 of this policy will require these vehicles to make up 18 percent of total sales by 2023. China has not yet set a timetable to reach 100 percent EV sales but is expected to join other nations in phasing out sales of ICE vehicles by 2040.

- Other International GHG Mitigation Efforts. There are many nations adopting other national actions, such as cap-and-trade programs, to reduce GHG vehicle emissions. Some efforts from large emitters include:
 - In January 2021, China launched its new national emissions trading scheme, which allows market emitters to buy, sell, and trade emissions credits (International Carbon Action Partnership [ICAP] 2021). These new plans build upon existing cap-and-trade efforts launched in December 2017. The updates include goals of a reduction in carbon emissions per unit of gross domestic product by 18 percent compared to the 2020 levels within the next 5 years, a peak of emissions before 2030, and carbon neutrality by 2060 (ICAP 2021).
 - Officially launched in 2017, India currently has a similar cap-and-trade program, which has been cited as the first program to include PM aerosols within its emissions trading scheme program (University of Chicago 2019). As of 2019, India has also pledged to reduce emissions intensity by 33 to 35 percent compared to 2005 levels (Timperley 2019).

To date, many other countries have adopted a national cap-and-trade program including, but not limited to, Mexico, Australia, Colombia, Chile, New Zealand, South Korea, Japan, and nearly all the nations in the EU (Plumber and Popovich 2019).

E.4.3.5 Reference Case Modeling Runs

The modeling runs and sensitivity analysis simulate relative changes in atmospheric CO_2 concentrations, global mean surface temperature, precipitation, sea-level rise, and ocean pH that could result under each alternative. The modeling runs are based on the reductions in emissions estimated to result from each of the action alternatives compared to projected emissions under the relevant No-Action Alternative. They assume a climate sensitivity of 3°C (5.4°F) for a doubling of CO_2 concentrations in the atmosphere.⁵² The approach uses the following five steps to estimate these changes.

- 1. NHTSA assumed that global emissions under the relevant No-Action Alternative would follow the trajectory provided by the global emissions scenario.
- 2. NHTSA assumed that global emissions for each action alternative would be equal to the global emissions under the relevant No-Action Alternative minus the reductions in emissions of CO₂, CH₄, N₂O, SO₂, NO_x, CO, and VOCs estimated to result from each action alternative. For example, the global emissions scenario under Alternative PC2LT4 and Alternative HDPUV10⁵³ equals the global emissions scenario minus the emissions reductions from those alternatives.
- 3. NHTSA used MAGICC7 to estimate the changes in global CO_2 concentrations and global mean surface temperature through 2100 using the global emissions scenario under each alternative developed in Steps 1 and 2.
- 4. NHTSA utilized the CO2SYS model to estimate changes in ocean pH. Changes in global CO₂ concentrations calculated within the MAGICC7 model are parsed to the CO2SYS ocean pH model to

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⁵² NHTSA used a climate sensitivity of 3°C (5.4°F), as this is IPCC's best estimate, with a *likely* range of 1.5 to 4.0°C (2.7 to 7.2°F) (IPCC 2021a).

⁵³ Alternatives PC2LT4 and HDPUV10 are NHTSA's Preferred Alternatives under the CAFE standards and HDPUV FE standards, respectively. Alternative PC2LT4 represents a 2 percent increase per year, year over year for MYs 2027–2032 passenger cars, and 4 percent increase per year, year over year for MYs 2027–2032 light trucks. Alternative HDPUV10 represents a 10 percent increase per year, year over year for MYs 2030–2035 HDPUVs. For more information on the action alternatives and methodology, see Chapter 2, Sections 2.2.2.1, CAFE Standard Action Alternatives, and 2.2.2.2, HDPUV FE Standard Action Alternatives.

calculate change. This model uses two of four measurable parameters of the ocean CO_2 system—total alkalinity, total inorganic CO_2 , pH, and either fugacity or partial pressure of CO_2 —to calculate the remaining two input parameters. NHTSA used the CO2SYS model to estimate the pH of ocean water in the years 2040, 2060, and 2100 under the relevant No-Action Alternative and each of the action alternatives.

5. NHTSA used the increase in global mean surface temperature to estimate the increase in both global average precipitation and sea-level rise for each alternative using the global emissions scenario.

E.4.3.6 Sensitivity Analysis

NHTSA performed a sensitivity analysis to examine the effect of various equilibrium climate sensitivities on the results, using MAGICC7 to run the same probabilistic distribution as in IPCC WGI AR6 for the categorization and climate assessment of the SSP scenarios. Equilibrium climate sensitivity is the projected responsiveness of Earth's global climate system to increased ERF from higher GHG concentrations and is expressed in terms of changes to global surface temperature resulting from a doubling of CO₂ compared to preindustrial atmospheric concentrations (278 ppm CO₂) (IPCC 2021a). Sensitivity analyses examine the relationship among the alternatives, likely climate sensitivities, and scenarios of global emissions paths and the associated direct and indirect impacts for each combination.

The best estimate from IPCC WGI AR6 probabilistic output expresses stronger confidence in some fundamental processes in models that determine climate sensitivity than the AR5 (IPCC 2021a). According to IPCC, the very likely range of equilibrium climate sensitivity is between 2°C (3.6°F) (high confidence) and 5°C (9°F) (medium confidence). The assessed best estimate is 3°C (5.4°F) with a likely range of 2.5°C (4.5°F) to 4°C (7.2°F) (high confidence), compared to 1.5°C (2.7°F) to 4.5°C (8.1°F) in AR5.

NHTSA assessed climate sensitivities of 1.9, 3.0, and 4.8°C (3.4, 5.4, and 8.6°F) for a doubling of CO_2 concentrations in the atmosphere. NHTSA performed the sensitivity analysis around three of the alternatives—the No-Action Alternative, Alternative PC1LT3, and Alternative PC6LT8—because this was deemed sufficient to assess the effect of various climate sensitivities on the results under the range of alternatives considered in this EIS. The best estimate derived from the median output from MAGICC is in line with this climate sensitivity.

The approach uses the following four steps to estimate the sensitivity of the results to alternative estimates of the climate sensitivity.

- 1. NHTSA used the SSP3-7.0 scenario to represent emissions from the No-Action Alternative.
- 2. Starting with the respective scenarios, NHTSA assumed reductions in global emissions of CO₂, CH₄, N₂O, SO₂, NO_X, CO, and VOCs for both the CAFE alternatives and the HDPUV FE alternatives. For the CAFE alternatives, NHTSA assessed emissions resulting from the least stringent alternative (Alternative PC1LT3) would be equal to the global emissions of each pollutant under the No-Action Alternative minus emissions of each pollutant under Alternative PC1LT3. Separately, NHTSA used the same approach for Alternative PC6LT8 (the lowest GHG emissions alternative) compared to the No-Action Alternative.⁵⁴ The same assessment was done for HDPUVs using Alternative HDPUV4

⁵⁴ Some SO₂ emissions are associated with charging EVs. However, total power plant emissions are limited by caps under the EPA Acid Rain Program and the Cross-State Air Pollution Rule, and will be reduced through emissions standards such as the Mercury and Air Toxics Standards rule. Because of these rules and advances in technology, emissions from the power-generation sector are expected to decline over time (i.e., the grid is expected to become cleaner). Any economic activity or

- (least stringent) and Alternative HDPUV14 (most stringent). All SO₂ reductions were applied to Aerosol Region 1 of MAGICC, which includes North America.
- 3. NHTSA assumed a range of climate sensitivity values consistent with the 5th, 50th, to 95th percentile of the probability distribution from the IPCC WGI AR6 (IPCC 2021a), in line with a climate sensitivity of 1.9°C (compared to the IPCC estimate of 2.0°C), 3.0°C, and 4.8°C (compared to the IPCC estimate of 5.0°C), respectively.
- 4. For each climate sensitivity value in Step 3, NHTSA used MAGICC7 to estimate the resulting changes in CO₂ concentrations and global mean surface temperature, as well as the regression-based analysis to estimate sea-level rise through 2100 for the global emissions scenarios in Steps 1 and 2.

Chapter 5, Section 5.4, *Environmental Consequences*, presents the results of the model runs for the alternatives. For the direct and indirect impacts analysis, the sensitivity analysis was performed against the SSP3-7.0 scenario (800 ppm in 2100).

For the cumulative impacts analysis, the sensitivity analysis also assesses the sensitivity around different global emissions scenarios. NHTSA assumed multiple global emissions scenarios, including SSP2-4.5 (568 ppm in 2100), SSP1-2.6 (438 ppm in 2100), and SSP3-7.0 (800 ppm in 2100).

E.5 Health, Societal, and Environmental Impacts of Climate Change

E.5.1 Introduction

This section discusses how climate change resulting from global GHG emissions (including U.S. LD vehicles and HDPUVs under the Proposed Action and alternatives) could affect certain key natural and human resources: freshwater resources; terrestrial and freshwater ecosystems; ocean systems, coasts, and low-lying areas; food, fiber, and forest products; urban areas; rural areas; human health; human security; and stratospheric ozone. In addition, this section discusses compound events, tipping points, and abrupt climate change. Regional impacts of climate change are discussed in Chapter 5, Section 5.4.3.3, Regional Impacts of Climate Change.

E.5.2 Sectoral Impacts of Climate Change

NHTSA's analysis of sectoral impacts of climate change draws largely from recent studies and reports, including the IPCC AR6 (IPCC 2021a, 2021b, 2022a), the IPCC Special Study: Global Warming of 1.5° C (IPCC 2018), the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (IPCC 2019a), the IPCC Special Report on Climate Change, Desertification, Land Degradation, Sustainable Land Management, Food Security, and Greenhouse Gas Fluxes in Terrestrial Ecosystems (IPCC 2019b), and the GCRP NCA4 (GCRP 2017, 2018a). The IPCC and GCRP reports, in particular, provide a comprehensive overview of the state of scientific, technical, and socioeconomic knowledge on climate change, its causes, and its potential impacts. To reflect the likelihood of climate change impacts accurately for each sector, NHTSA references and uses the IPCC uncertainty guidelines (Section E.1.1, Uncertainty in the IPCC Framework). This approach provides a consistent method to define confidence levels and percent probability of a projected outcome or impact. This is primarily applied for key IPCC and GCRP findings

trend that leads to an increase in electrical demand—including increases in EV sales and use—would be accommodated by the power industry in planning for compliance with applicable emissions limitations.

where IPCC or GCRP has defined the associated uncertainty with the finding (other sources generally do not provide enough information or expert consensus to elicit uncertainty rankings).

Recent reports from GCRP and such agencies as the NRC are also referenced in this chapter. NHTSA relies on major international or national scientific assessment reports because these reports have assessed numerous individual studies to draw general conclusions about the potential impacts of climate change. This material has been well vetted, both by the climate change research community and by the U.S. government. In addition, NHTSA has supplemented the findings from these reports with recent peer-reviewed information, as appropriate.

E.5.2.1 Freshwater Resources

This section provides an overview of the recent findings regarding observed and projected impacts of climate change on freshwater resources in the United States and globally. More than 70 percent of the surface of the Earth is covered by water, but only 2.5 percent is fresh water. Respectively, freshwater contributions include permanent snow cover in the Antarctic, the Arctic, and mountainous regions (68.7 percent); groundwater (29.9 percent); and fresh water in lakes, reservoirs, and river systems (0.26 percent) (UNESCO 2006).

Potential risks to freshwater resources are expected to increase with increasing GHG emissions; for example, higher emissions are projected to result in less renewable water at the same time as continued population growth (IPCC 2021a). Although some positive impacts are anticipated, including reductions in water stress in some areas because of increased runoff and increased primary productivity in some systems, such as boreal waters, the negative impacts are expected to outweigh positive impacts (IPCC 2022a; GCRP 2018a).

Observed and Projected Climate Impacts

In recent decades, annual average precipitation increases have been observed across the Midwest, Great Plains, Northeast, and Alaska, while decreases have been observed in Hawaii, the Southeast and the Southwest (GCRP 2017; Walsh et al. 2014; Huang et al. 2017). Nationally, there has been an increase of 4 percent in annual precipitation over the period from 1901 to 2016 (GCRP 2017). According to GCRP, globally, for mid-latitude land areas of the Northern Hemisphere, annual average precipitation has *likely* increased since 1901 (GCRP 2017), with evidence of a faster increase since the 1980s (*medium confidence*) (IPCC 2022a). For most other latitudinal zones, long-term trends in average precipitation are uncertain due to data quality, data completeness, or disagreement among available estimates (IPCC 2022a). Globally, average precipitation over land areas has likely increased since the 1950s (*medium confidence*), but with large interannual variability and regional heterogeneity (IPCC 2021a).

Anthropogenic climate change has altered annual mean streamflow trends around the world, with some regions like eastern Asia and western North America showing decreasing trends, and other regions like northern Asia and eastern North America showing increasing trends, between 1950s and 2010s (IPCC 2022a). Globally, in regions with seasonal snow storage, warming has led to earlier occurrence of the maximum streamflows from snowmelt during the spring and increased winter streamflows because more winter precipitation falls as rain instead of snow (IPCC 2022a citing Dudley et al. 2017, Bonsal et al. 2020, and Fox-Kemper et al. 2021). These reduced snow-to-rain ratios are leading to significant differences between the timing of water supply and demand (*medium confidence*). In particular, warming temperatures and reduced snowpack are decreasing surface water and groundwater availability in much of the western United States (U.S. Bureau of Reclamation 2021). Changes in the

timing of flows and temperatures of freshwater bodies *likely* affect local wildlife populations through phenological and distribution/range shifts (*high confidence*) (GCRP 2018a). Average global precipitation is projected to increase over the next century; generally, wet places are expected to get wetter and dry places are expected to get drier (IPCC 2021a).

The frequency and intensity of heavy precipitation events have been increasing across most of the United States (U.S. Bureau of Reclamation 2011; GCRP 2017). According to GCRP (2017) NCA4, river floods have been increasing in parts of the central United States, but overall, there are no detectable changes in observed flooding magnitude, duration, or frequency in the United States. Globally, anthropogenic climate change has increased the likelihood of extreme precipitation and associated increase in the frequency and magnitude of river floods (*high confidence*) (IPCC 2022a). Projections reveal high regional variations, with intensification of heavy precipitation and flooding for Africa and Asia (*high confidence*), North America (*medium to high confidence*), and Europe (*medium confidence*) for 1.5°C (2.7°F) of warming (IPCC 2021b).

The quality of freshwater resources may be adversely affected by the projected changes in frequency and magnitude of extreme precipitation events and associated floods. Locally variable changes in precipitation and increases in high flow events can affect the transport of pollutants, sediments, nutrients, and microbial pathogens to freshwater bodies, which can have cascading impacts on water supplies, water quality, treatment costs, public health, and ecosystems (GCRP 2018a). Coastal floods related to sea-level rise and the resulting increase in storm surge height could also result in increased inland impacts such as saltwater intrusion into coastal rivers and aquifers, which could threaten drinking water supplies, infrastructure, and the health of coastal and estuarine ecosystems (GCRP 2017, 2018a).

The risk faced from heavy precipitation and flooding events is compounded by aging water infrastructure such as dams and levees across the United States. The scope of the nation's exposure to this risk has not yet been fully identified; however, the estimated reconstruction and maintenance costs for the totality of American water infrastructure is estimated in the trillions of dollars (GCRP 2018a). It can be said with *high confidence* that extreme precipitation events are projected to increase in a warming climate, and that deteriorating water infrastructure compounds the risk climate change poses to society (*high confidence*).

In the United States, there is mixed information on the historical connection between climate change and drought. GCRP found that there is little evidence of a human influence on past precipitation shortages (i.e., meteorological or hydrological droughts); however, there is high confidence of a human influence on surface soil moisture deficits due to higher temperatures and the resultant increase in evapotranspiration (i.e., agricultural droughts) (GCRP 2017). This increased evapotranspiration has also increased the need for human use of water in many areas. Over the past 3 decades, efficiency gains in irrigation methods have generally kept pace with this increased usage; however, without further improvements in this area, future human demand could outpace supply in many regions (GCRP 2018a). In fact, due to limitations on surface water storage and trading of water across basins and usages, certain U.S. aquifers have experienced significant depletion (GCRP 2018a citing Russo and Lall 2017). Globally, increasing trends in agricultural droughts are more evident than increasing trends in meteorological droughts in several regions of the world (IPCC 2022a citing Douville et al. 2021 and Seneviratne et al. 2021), with varying degrees of confidence on attribution to anthropogenic climate change. For example, there is high confidence in anthropogenic influence on increased meteorological droughts in southwestern Australia but low confidence in central Africa (IPCC 2022a). Drought hazards

are projected to be less severe at 1.5°C (2.7°F) of warming compared to 2°C (3.6°F) (IPCC 2018 citing Smirnov et al. 2016, Sun et al. 2017, Arnell et al. 2018, and Liu et al. 2018; IPCC 2019b).

Dry spells are also projected to increase in length in most regions, especially in the southern and northwestern portions of the contiguous United States (EPA 2015d). Projected changes in total average annual precipitation are generally small in many areas, but both wet and dry extremes (heavy precipitation events and length of dry spells) are projected to increase substantially almost everywhere. Long-term (multi-seasonal) drought conditions are also projected to increase in parts of the Southwest (GCRP 2017). Furthermore, trends of earlier spring melt and reduced snow water equivalent are expected to continue, and analyses using higher emissions scenarios project with *high confidence* that the western United States will see chronic, long-duration hydrological droughts (GCRP 2017).

Rising temperatures across the United States have reduced total snowfall, lake ice, seasonal snow cover, sea ice, glaciers, and permafrost over the last few decades (GCRP 2017; EPA 2016e citing Mote and Sharp 2016). The impact of climate change on groundwater recharge varies globally (IPCC 2022a citing Thomas et al. 2016, Asoka et al. 2018, Vincent et al. 2019, and Nygren et al. 2020). There is *medium confidence* that increased precipitation intensities have enhanced groundwater recharge, particularly in the tropics, while there is *high confidence* that groundwater depletion has occurred over at least the 21st century due to water extraction for irrigation within many agricultural areas (IPCC 2021a). Both globally and in the United States, sea-level rise, storms and storm surges, and changes in surface water and groundwater use patterns are expected to compromise the sustainability of coastal freshwater aquifers and wetlands (U.S. Bureau of Reclamation 2016; GCRP 2017). These effects are of particular concern in Hawaii and U.S. territories in the Caribbean and Pacific, threatening previously dependable and safe water supplies. The freshwater supplies in these same areas also face increased potential for contamination from increasingly frequent extreme weather events that damage freshwater infrastructure (GCRP 2018a).

Globally, most observed changes of water quality attributed to climate change are known from isolated, short-term studies, mostly of rivers or lakes in high-income countries. The most frequently reported change is more intense eutrophication (i.e., an increase in phosphorus and nitrogen in freshwater resources) and algal blooms (i.e., excessive growth of algae) at higher temperatures, or shorter hydraulic retention times and higher nutrient loads resulting from increased storm runoff. Changes in the amount of water flow in surface water bodies due to climate change presents chronic problems, such as increased cost of water treatment and greater risk to public health due to pollutant concentrations (GCRP 2018a). While extreme floods cause massive physical disturbance, moderate floods may have some positive effects, such as providing woody debris that contributes to habitat complexity and diversity, flushing fine sediments and nutrients from lakes and estuaries which may reduce the risk of eutrophication (IPCC 2022a citing Peters et al. 2016 and Talbot et al. 2018). For rivers, all reported impacts on water quality are negative, and surface water quality as a whole declines as water temperature increases (high confidence) (GCRP 2018a). Water shortages and droughts have been associated with diarrheal disease peaks (IPCC 2022a, citing Epstein et al. 2020, Subiros et al. 2019, and Boithias et al. 2016). Additionally, droughts can reduce groundwater levels, increasing the risk of groundwater contamination and creating challenges for management and drinking water treatment (IPCC 2022a citing Kløve et al. 2014 and Khan et al. 2015).

Changes in sediment transport are expected to vary regionally and by land-use type, with potentially large increases in some areas, resulting in alterations to reservoir storage and river channels, affecting flooding, navigation, water supply, and dredging (GCRP 2018a; IPCC 2022a).

Adaptation

Given the uncertainty associated with climate change, adaptation planning often involves anticipatory scenario-based planning and the identification of flexible, low-regrets strategies (e.g., water conservation and demand-side management) to maximize resilience. In the United States and globally, current and projected impacts of climate change on water resources have sparked several responses by water resource managers. In 2011, Federal agencies, which manage most of the freshwater resources in the United States, worked with stakeholders to develop a National Action Plan for managing freshwater resources in a changing climate to help ensure adequate freshwater supplies, while also protecting water quality, human health, property, and aquatic ecosystems (ICCATF 2011). Water utilities are determining ways to adjust planning, operational, and capital infrastructure strategies (EPA 2015e; Abt Associates 2016). Water conservation and demand management are also being promoted as important nonstructural, low-regrets⁵⁵ approaches for managing water supply. Investing in ecosystem protection and restoration and other nature-based solutions have also been identified as adaptation priorities to build resilience in the water sector (EPA 2022q).

However, NCA4 states that management of surface water and groundwater sources across Federal agencies has been hampered by a lack of coordination, creating inefficiencies in the response to climate change. Climate change mitigation policies, if not designed with careful attention to water resources, could increase the magnitude, spatial coverage, and frequency of water deficits given potential increased demand for irrigation water for bioenergy crops (Hejazia et al. 2015).

E.5.2.2 Terrestrial and Freshwater Ecosystems

This section provides an overview of the recent findings regarding observed and projected impacts of climate change on the terrestrial and freshwater ecosystems in the United States and globally. Ecosystems include all living organisms and their environs that interact as part of a system (GCRP 2018a). These systems are often delicately balanced and sensitive to internal and external pressures due to both human and nonhuman influences. Ecosystems are of concern to society because they provide beneficial ecosystem services such as jobs (e.g., from fisheries and forestry), fertile soils, clean air and water, recreation, and aesthetic value (GCRP 2018a citing Millennium Ecosystem Assessment 2005). Terrestrial and freshwater ecosystems in the United States and around the world are experiencing rapid and observable changes. The ecosystems addressed in this section include terrestrial ecosystems, such as forests, grasslands, shrublands, savanna, and tundra; aquatic ecosystems, such as rivers, lakes, and ponds; and freshwater wetlands, such as marshes, swamps, and bogs.

Observed and Projected Climate Impacts

The impacts of climate change on terrestrial and freshwater ecosystems have been observed at a variety of scales, including individuals (e.g., changes in genetics and physical characteristics), populations (e.g., changes in timing of life-cycle events), and species (e.g., changes in geographic range) (GCRP 2018a citing Scheffers et al. 2016). Several reviews of climate change impacts on ecosystem services indicate that 59 to 82 percent of ecosystem services have experienced impacts from climate change (Runting et al. 2016; Scheffers et al. 2016).

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⁵⁵ A low-regrets approach is commonly used to signify a method of action with relatively low cost and relatively large benefits under predicted future climates.

Recent global satellite and ground-based data have identified phenology⁵⁶ shifts, including earlier spring events such as breeding, budding, flowering, and migration, which have been observed in hundreds of plant and animal species (EPA 2021j; IPCC 2022a citing Cook et al. 2012, Cohen et al. 2018, Piao et al. 2019, and Menzel et al. 2020). Migratory species that rely on one primary food source are particularly vulnerable to climate change due to phenological mismatch (GCRP 2018a citing Both et al. 2010, Mayor et al. 2017, and Ohlberger et al. 2014). In the United States, modeled trends in timing of first leaf and bloom events, using 1981 to 2010 as a baseline, show that these are happening earlier in the year throughout the northern and western regions, but later in much of the southern regions (EPA 2016e citing Schwartz et al. 2013). Phenological mismatches that result in unfavorable breeding conditions could cause significant negative impacts on species' breeding processes (GCRP 2018a citing Miller-Rushing et al. 2010, and Mayor et al. 2017; Little et al. 2017 citing McNab 2010 and Potti 2008; Pecl et al. 2017 citing CAFF 2013 and Mustonen 2015). In some ecosystems, higher trophic levels may be more sensitive to climate change than lower trophic levels, which can affect energy demands and mortality rates of prey, affect overall ecosystem functioning, and alter energy and nutrient flow (GCRP 2018a citing Laws and Joern 2013, McCluney and Sabo 2016, Verdeny-Vilalta and Moya-Laraño 2014, Miller et al. 2014, and Zander et al. 2017).

Species respond to stressors such as climate change by phenotypic⁵⁷ or genotypic⁵⁸ modifications, migrations, or extinction (IPCC 2022a citing Menzel et al. 2020, Román-Palacios and Wiens 2020, and Weeks et al. 2020). Changes in morphology⁵⁹ and reproductive rates have been attributed to climate change. For example, the egg sizes of some bird species are changing with increasing regional temperatures (Potti 2008). At least one study indicates that birds in North America are experiencing decreased body size due to changes in climate (Van Buskirk et al. 2010).

Over the past several decades, a pole-ward (in latitude) and upward (in elevation) extension of various species' ranges has been observed that may be attributable to increases in temperature (GCRP 2018a; IPCC 2022a). Climate change has led to range contractions in almost half of studied terrestrial animals and plants in North America (GCRP 2018a citing Wiens 2016). It is estimated that terrestrial animal communities have shifted ranges at an average of 3.8 miles per decade, with marine communities recording even larger range shifts of up to 17.4 miles per decade over the last century (GCRP 2018a citing Parmesan and Yohe 2003, Burrows et al. 2011, and Walsh et al. 2015). Climate-driven range shifts, along with disturbances such as introduction of invasive species, may result in significant changes in ecosystem composition and new species interactions, creating entirely new ecological communities with no historical analogs (GCRP 2018a citing Williams and Jackson 2007 and Blois et al. 2013). A recent study suggests that species redistribution is linked to reduced terrestrial productivity, impacts on marine community assembly, and threats to the health of freshwater systems from toxic algal blooms (Pecl et al. 2017).

IPCC indicates that 20 to 30 percent of species assessed so far are likely to be at an increased risk of extinction, if global average warming exceeds 1.5 to 2.5°C (2.7 to 4.5°F) (*medium confidence*). Even the lowest estimates of species extinction are 1,000 times the natural background rates (IPCC 2022a). A recent study suggests that local extinctions related to climate change are already widespread, with 47

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⁵⁶ Phenology refers to the relative timing of species' life-cycle events.

⁵⁷ Referring to an organism's observable traits, such as color or size.

⁵⁸ Referring to an organism's genetic makeup.

⁵⁹ Referring to an organism's structural or anatomical features (e.g., egg size, wing shape, or even of the organism as a whole).

percent of 976 species reviewed having experienced climate-related local extinctions (Wiens 2016). Regional warming puts some bird populations at risk when increased predatory populations or declines in available habitat (resulting in fewer appropriate nesting and egg-laying spots) leads to increased vulnerability of their eggs to predators (Wormworth and Mallon 2010).

Additionally, an increase in phosphorus and nitrogen in freshwater resources (eutrophication) from increased agricultural runoff is probable, especially in areas that experience heavier or more frequent precipitation events (GCRP 2018a citing Ficklin et al. 2013, Sinha et al. 2017, Fant et al. 2017, and Johnson et al. 2015). The effects of eutrophication include excessive growth of algae (algal blooms), which reduce dissolved oxygen in the water, causing some plants, fish, and invertebrates to die.

Climate change may result in more uniform population structures, leading to increased competition and potentially resulting in extinctions (GCRP 2018a citing Ohlberger et al. 2014 and Lancaster et al. 2017). For example, extreme weather events can benefit invasive species by decreasing native communities' resistance and by occasionally putting native species at a competitive disadvantage (GCRP 2018a citing Diez et al. 2012, Kats et al. 2013, Tinsley et al. 2015, and Wolf et al. 2016).

Diverse observations suggest that global terrestrial primary production increased over the latter 20th and early 21st centuries due to a combination of the fertilizing effect of increasing atmospheric CO₂, nutrient additions from human activities, longer growing seasons, and forest regrowth (GCRP 2018a citing Campbell et al. 2017, Graven et al. 2013, Wenzel et al. 2016, Zhu et al. 2016, and Domke et al. 2018). Conversely, in areas experiencing drought (such as in Western North America), water stress results in decreased tree growth and increased tree mortality (IPCC 2022a). A more intense hydrological cycle, including more frequent droughts, may reduce photosynthesis and, therefore, reduce ecosystem productivity and carbon storage (GCRP 2017). Alternatively, as plants gain more biomass, their net storage of carbon might be limited by nutrient availability in soils (Finzi et al. 2011).

Elevated CO₂ concentrations have physiological impacts on plants, which can result in changes in both plant water utilization and local climate. A process referred to as CO₂-physiological forcing (Cao et al. 2010) occurs when increased CO₂ levels cause plant stomata (pores in plant leaves, which allow gas exchange of CO₂ and water vapor) to open less widely, resulting in decreased plant transpiration (Cao et al. 2010). Reduced stomata opening increases water use efficiency in some plants, which can increase soil moisture content, mitigating drought conditions (McGrath and Lobell 2013 citing Ainsworth and Rogers 2007, Leakey 2009, Hunsaker et al. 2000, Conley et al. 2001, Leakey et al. 2004 and 2006, and Bernacchi et al. 2007; IPCC 2022a). Reduced plant transpiration can also cause a decrease in evapotranspiration, which may trigger adjustments in water vapor, clouds, and surface radiative fluxes. These adjustments could ultimately drive macroclimatic changes in temperature and the water cycle (Cao et al. 2010). However, the estimation of large-scale transpiration response to increased CO₂ based on leaf-level responses of water-use efficiency is understood to be complex, owing to competing forces (Tor-ngern et al. 2014; IPCC 2022a citing Bernacchi and VanLoocke 2015 and Tor-ngern et al. 2015). Elevated CO₂ concentrations may also affect soil microbial growth rates and their impact on terrestrial carbon pools; however, these effects are complex and not well understood (Wieder et al. 2014; Bradford et al. 2016).

Ecological tipping points⁶⁰ begin with initial changes in a biological system (e.g., introduction of a new predatory animal species to the system due to changes in climate that are favorable to the newly

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⁶⁰ An ecological tipping point is described by IPCC (2014), in reference to the potential for Amazonian ecosystem shifts, as "a large-scale, climate-driven, self-reinforcing transition" of one ecosystem into another type.

introduced species), which are then amplified by positive feedback loops and can lead to cascading effects throughout the system. The point at which the system can no longer retain stability is a threshold known as a tipping point. Changes in such situations are often long-lasting and hard to roll back; managing these conditions is often very difficult (IPCC 2022a citing Prober et al. 2019, Berdugo et al. 2020, and Bergstorm et al. 2021). Leadley et al. (2010) evaluated the potential tipping point mechanisms and their impacts on biodiversity and ecosystem services for several ecosystems. Examples include warming tundra that will reduce albedo, providing a warming feedback that will result in further thawing of tundra; and the large-scale changes of Amazonian rainforests to agricultural lands, resulting in decreased local and regional rains, promoting further decline of trees.

Forest ecosystems and services are at risk of greater fire disturbance when they are exposed to increased warming and drying, as well as declines in productivity and increases in insect disturbances (e.g., pine beetles). Boreal fire regimes have become more intense in terms of areas burned, length of fire season, and hotter, more energetic fires (IPCC 2022a citing Hanes et al. 2019, Veraverbeke et al. 2021, and Scholten et al. 2021). Cascading effects in forests are possible when fire-related changes in forest composition result in reduced capacity as a carbon sink and reduced albedo, or when post-fire increases in soil erosion contribute to indirect carbon emissions, all of which factor into further warming, putting forests at even greater risk of fire and dieback (IPCC 2022a citing Rogers et al. 2015, Chen et al. 2017, and van der Werf et al. 2017).

Limiting warming to 1.5°C (2.7°F) compared to 2°C (3.6°F) may benefit terrestrial and wetland ecosystems through avoidance or reduction of changes, such as biome transformation, species range losses, and increased extinction risks (all *high confidence*) (IPCC 2018 citing Hoegh-Guldberg et al. 2018).

Adaptation

In the context of natural resource management, climate-driven changes in ecosystems are most effectively managed through highly adaptive and proactive approaches that address emerging and anticipated impacts of climate change (GCRP 2018a). The ability or inability of ecosystems to adapt to change is referred to as adaptive capacity. There could be notable regional differences in the adaptive capacity of ecosystems, and adaptive capacity is moderated by anthropogenic influences and capabilities. The ultimate impact of climate change on ecosystems depends on the speed and extent to which these systems can adapt to a changing climate. Rapid rather than gradual climate change may put populations at risk of extinction before beneficial genes are able to enhance the fitness of the population and its ability to adapt (Staudinger et al. 2013 citing Hoffmann and Sgro 2011).

Some adaptation strategies include landscape-scale and ecosystem-based conservation and management approaches, increasing habitat connectivity, manipulating habitat, conserving populations with more genetic diversity or behaviors, sourcing seeds, assisting relocation or migration, and engaging in offsite conservation (e.g., seed banking and captive breeding) (GCRP 2018a). EPA (2016f) stresses the enhancement of natural buffers to protect and help ecosystems increase adaptive capacity. Anthropogenic stressors can compound climate change impacts, so reducing these effects, such as nutrient pollution or invasive species introduction, can bolster resilience (NPS 2016, 2021). The NCA4 report indicates the effectiveness of existing adaptation strategies and approaches may be significantly reduced in the face of a changing climate (GCRP 2018a).

E.5.2.3 Ocean Systems, Coasts, and Low-Lying Areas

This section provides an overview of recent findings regarding observed and projected impacts of climate change on ocean systems, coasts, and low-lying areas in the United States and globally. Ocean systems cover approximately 71 percent of the Earth's surface and include many habitats that are vital for coastal economies. Coastal systems and low-lying areas include all areas near the mean sea level. Coastal systems consist of both natural systems (i.e., rocky coasts, beaches, barriers, sand dunes, estuaries, lagoons, deltas, river mouths, wetlands, and coral reefs) and human systems (i.e., the built environment, institutions, and human activities) (IPCC 2014, 2022a).

In general, global ocean surface temperatures have risen at an average rate of $0.7^{\circ}\text{C} \pm 0.08^{\circ}\text{C}$ (1.3°F ± 0.1°F) per century and have risen at a higher rate from 2000 to 2016 than from 1950 to 2016 (GCRP 2018a citing Jewett and Romanou 2017; Blunden and Arndt 2017). IPCC concludes that ocean temperatures are *very likely* to increase in the future (*high confidence*), with impacts on climate, ocean circulation, chemistry, and ecosystems (IPCC 2021b). From 1971 to 2010, global oceans have absorbed more than 90 percent of all extra heat stored in earth's systems (UN 2021; Cheng et al. 2019). Ocean systems absorb approximately 25 to 30 percent of anthropogenic CO_2 emissions, leading to changes in ocean pH, which affects the formation of some marine species that are crucial to ocean health (GCRP 2017; UN 2021). The combination of warming and acidification across water bodies has adverse impacts on key habitats such as coral reefs and results in changes in distribution, abundance, and productivity of many marine species.

Observed and Projected Climate Impacts

Approximately 896 million people, or nearly 11 percent of the global population, were estimated to be living in the Low Elevation Coastal Zone by 2020, a figure projected to rise above 1 billion by 2050 (IPCC 2022a citing Oppenheimer et al. 2019). Globally, there will be an increasing number of people exposed to sea-level rise in the coming decades, due to high population growth from both migration and natural population increases in coastal cities, some of which are in flood- and cyclone-prone regions, increasing the number of individuals at risk (IPCC 2022a citing Neumann et al. 2015 and Hooijer and Vernimmen 2021). Without adaptation, hundreds of millions of people may be displaced due to episodic localized flooding associated with storm surge and coastal flooding and land loss from sea-level rise by 2100, with the majority from eastern, southeastern, and southern Asia (Jongman et al. 2012; GCRP 2018a; IPCC 2022a).

Even under the RCP2.6 low emissions scenario, the frequency, depth, and extent of high tide and more severe and damaging coastal flooding in the United States are projected to increase rapidly over the coming decades (GCRP 2018a). In the United States, 133.2 million people live in coastal zone counties (GCRP 2018a citing Kildow et al. 2016), and analysis indicates that 4.2 million Americans could be at risk under a scenario of 3 feet of sea-level rise, and 13.1 million people under 6 feet of sea-level rise, which could drive mass migration and societal disruption (Hauer 2017; Hauer et al. 2016). New high-resolution digital elevation models improve estimates of potential future population exposure to sea-level rise. For example, assuming sea-level rise projections under RCP8.5, these new models reveal that up to 630 million people live on land that could be exposed to annual coastal flood levels in 2100 (Kulp

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⁶¹ The NOAA Sea Level Rise visualization tool shows inundation footprints associated with different sea-level rise simulations along the continental U.S. coast (NOAA, Office for Coastal Management, DigitalCoast, Sea Level Rise Viewer, https://coast.noaa.gov/digitalcoast/tools/slr.html). This and other tools can be used to understand and assess risks from sea-level rise.

and Strauss 2019). Such increases in sea-level rise and annual flooding present dramatic risks to coastal communities. Those at risk include a substantial number of individuals in a high social vulnerability category, with less economic or social mobility and who are less likely to be insured (GCRP 2018a).

Coastal inundation and flooding are the product of both long-term sea-level rise and dynamic short-term processes such as storm surge, erosion, and ocean tides (GCRP 2018a; Barnard et al. 2019). Climate change is expected to exacerbate all of these coastal processes, potentially altering coastal life and disrupting coast-dependent economic drivers and activities and services, some of which—such as transportation and energy infrastructure, and water resources—are particularly sensitive to these changes (GCRP 2018a; IPCC 2022a). Increased sea surface temperature and ocean heat content are projected to facilitate additional tropical storm activity and increase the probability of high rainfall tropical cyclones (Trenberth et al. 2018; Emanuel 2017). In turn, extreme storms can erode or remove sand dunes and other land elevations, exposing them to inundation and further change (GCRP 2018a). Rising water temperatures and other climate-driven changes (e.g., salinity, acidification, altered river flows) will affect the survival, reproduction, and health of coastal plants and animals (GCRP 2018a; UN 2021). Shifts in the distribution of species and ranges, changes in species interactions, and reduced biodiversity cause fundamental changes in ecosystems and can adversely affect economic activities such as fishing (GCRP 2018a). For instance, major marine heatwave events along the Northeast Coast of the United States in 2012 and the entire West Coast in 2014 through 2016 caused ocean temperatures to increase more than 2°C (3.6°F) above the normal range, a level similar to average conditions expected later this century under future climate scenarios (GCRP 2017). These events caused changes in the coastal ecosystems, including the appearance of warm-water species, increased mortality of marine mammals, and an unprecedented harmful algal bloom, all of which contributed to economic stress for the fisheries in these regions. While temperature is seen as the major driver of fisheries change globally, other climate-induced drivers like acidification, deoxygenation, and sea ice loss will also play significant roles in future changes to global and local fisheries (high confidence) (IPCC 2022a citing Cheung et al. 2019, Olsen et al. 2018, and Sampaio et al. 2021).

Species with narrow physiological tolerance to change, low genetic diversity, specific resource requirements, or weak competitive abilities will be particularly vulnerable to climate change (GCRP 2018a). For example, during the end-Permian mass extinction, a change in ocean pH of approximately 0.3, which is consistent with current projections for pH changes over the next 100 years, resulted in a loss of approximately 90 percent of known species (NRC 2013a). Under the RCP8.5 scenario, the Atlantic, Pacific, and Indian Oceans are projected to see a 15 to 30 percent decrease in total marine animal biomass by 2100. Meanwhile, polar oceans are projected to see a 20 to 80 percent decrease (Bryndum-Buchholz et al. 2018). Overall, projected shifts in fish and species distribution and decreases in their population due to climate change pose risks to income, food security, and livelihoods of marine-based communities (IPCC 2019a, 2022a).

Warming is leading to an increase in coral bleaching around the globe, with mass bleaching events and outbreaks of coral diseases affecting vulnerable reef ecosystems (GCRP 2018a). There are already 25 coral species listed under the Endangered Species Act (NOAA 2023d). Coral reefs are projected to face very high risks at 1.5°C (2.7°F) warming of global sea surface (*very high confidence*), with all coral reefs projected to degrade from their current state, even if global warming remains below 2°C (3.6°F) (IPCC 2022a citing IPCC 2019a). Updated numerical predictions show that 70 to 90 percent of coral reefs are projected to decline at a warming level of 1.5°C (2.7°F), with larger losses (more than 99 percent) at 2°C (3.6°F) (IPCC 2021a, 2022a). The potential for coastal ecosystems to pass a tipping point threshold is of particular concern because these changes can be irreversible (GCRP 2018a).

Several studies have analyzed the impact of climate change on historical and future coral bleaching. Mass coral bleaching events and disease outbreaks have increased due to more frequent and severe heat stress associated with ocean warming (*very high confidence, virtually certain*) (IPCC 2022a). For example, the Great Barrier Reef experienced mass bleaching three times between 2016 and 2020 (IPCC 2022a citing Pratchett et al. 2021). According to an analysis of bleaching records at 100 globally distributed reef locations from 1980 to 2016, the time between recurrent severe coral bleaching events has decreased steadily to 6 years during this period, and coral bleaching is occurring more frequently in all El-Niño-Southern Oscillation (ENSO) phases. These trends prevent the full recovery of mature coral assemblages between bleaching events (Hughes et al. 2018). Based on the high emissions scenario (RCP8.5), by 2055, 90 percent of reef locations are projected to experience annual severe bleaching events, and by 2034, all reef locations are projected to experience 5 percent declines in calcification. In general, the projected year of onset for annual severe bleaching events varies based on latitude, with reefs at lower latitudes expected to experience these events earlier than those at higher latitudes (van Hooidonk et al. 2014; Sully et al. 2019).

NOAA concluded that there is very high confidence that global average sea level has risen by 0.16 to 0.21 meters since 1900, with a 0.07-meter rise occurring since 1993 (Sweet et al. 2017b). NOAA also estimates that global mean sea level will rise by 0.12 to 0.15 meter (0.39 to 0.49 foot) by 2030, 0.15 to 0.43 meter (0.49 to 1.4 feet) by 2050, 0.3 to 2.0 meters (0.98 to 6.56 feet) by 2100, and 0.4 to 3.7 meters (1.31 to 12.14 feet) by 2150, relative to 2000 (Sweet et al. 2022). GCRP concluded it is extremely likely that temperature increases account for 59 percent of the rise in global sea level during the 20th century (GCRP 2017 citing Kopp et al. 2016). The change in sea level is attributed to thermal expansion of ocean water, thawing of permafrost, and mass loss from mountain glaciers, ice caps, and ice sheets. Sea-level rise was found to be non-uniform around the world, which might result from variations in thermal expansion; exchanges of water, ocean, and atmospheric circulation; and geologic processes (IPCC 2022a; UN 2021). Higher sea levels cause greater coastal erosion; changes in sediment transport and tidal flows; landward migration of barrier shorelines; fragmentation of islands; and saltwater intrusion into aquifers, croplands, and estuaries (GCRP 2018a). Higher sea levels also result in the loss of coastal wetland environments; it was estimated that the United States lost an average of about 80,160 acres of U.S. coastal wetland environments per year between 2004 and 2009 (GCRP 2018a citing Dahl and Stedman 2013). At this rate, the United States would lose an additional 16 percent of coastal wetlands by 2100. Sea-level rise will expand floodplain areas and place more individuals in high-hazard zones; coastal communities could face increased flooding and erosion. Coastal systems and low-lying areas are expected to experience more submergence, flooding, and erosion of beaches, sand dunes, and cliffs (IPCC 2022a).

Oceans have absorbed approximately one quarter of all human-caused CO_2 since the preindustrial era, decreasing ocean surface pH by about 0.11 unit⁶² (approximately 0.017 to 0.027 pH unit per decade since the 1980s), resulting in the lowest surface pH levels (i.e., highest ocean acidity) in the last 26,000 years (IPCC 2021a). The most recent projections show surface pH may decline by approximately -0.16 \pm 0.002 under SSP1-2.6 and -0.44 \pm 0.005 under SSP5-8.5 by 2080 to 2099 relative to 1870 to 1899; these new estimates of ocean acidity are slightly more acidic than previous estimates because the SSPs generally have higher atmospheric CO_2 concentrations (IPCC 2021a). IPCC concluded there is *very high confidence* that coastal areas experience considerable temporal and spatial variability in seawater pH compared to the open ocean due to additional natural and human influences including monsoons, agricultural river runoff, and internal variability (IPCC 2021a). IPCC concluded there is *high confidence*

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⁶² The pH scale is logarithmic; therefore, each whole unit decrease in pH is equivalent to a 10-fold increase in acidity.

that coastal acidification will continue into the 21st century but with large spatiotemporal variability as drivers of local acidity changes are influenced by biological processes, natural and anthropogenic eutrophication, sea ice melt, coastal upwelling, and seasonal dynamics (IPCC 2021a). There is high agreement that coastal acidification, regardless of cause, negatively affects marine organisms such as reef-building corals, crabs, pteropods, and sessile fauna (IPCC 2021a). Increased CO₂ uptake in the oceans makes it more difficult for organisms to form and maintain calcium carbonate shells and skeletal structures; increases erosion and bleaching of coral reefs and their biodiversity; and reduces growth and survival of shellfish stocks globally (GCRP 2018a). For instance, GCRP notes that under the high emissions scenario (RCP8.5), by 2100, nearly all coral reefs are projected to be surrounded by acidified seawater that would challenge coral growth (GCRP 2018a citing Ricke et al. 2013). Further, GCRP notes that under the RCP8.5 emissions scenario, by 2050, 86 percent of ecosystems will experience combinations of temperature and pH that have never before been experienced by modern species (GCRP 2018a citing Henson et al. 2017).

Hypoxia in ocean environments is a condition under which the dissolved oxygen level in the water is low enough to be detrimental to resident aquatic species. Oxygen solubility decreases as temperatures increase, with greater sensitivity at lower temperatures. As a result, warming sea surface temperatures will decrease oxygen concentrations in the ocean, especially at high latitudes where predicted rates of warming are higher. In addition, warmer sea surface temperatures enhance stratification, which prevents oxygen-rich surface water from mixing with deeper water where hypoxia typically occurs. Stratification can also be a result of sea-level rise, which increases the overall volume of shallow coastal water that is susceptible to hypoxia (Altieri and Gedan 2015). There has very likely been a net loss of oxygen, in the range of 0.3 to 2.0 percent over all ocean depths since the 1960s, with oxygen levels in the upper 1,000 meters (3,280 feet) of the ocean decreasing by 0.5 to 3.3 percent during 1970–2010 (medium confidence), with large multidecadal variations throughout the water column and across ocean basins (high confidence) (IPCC 2021a). Due to warming waters, stratification, and changes in precipitation, oxygen-minimum zones are expanding in the North Atlantic, the North Pacific California Current, and tropical oceans (IPCC 2022a). Models project that oxygen levels in the oceans will continue to decline through 2100 by 2.4 to 3.5 percent under the RCP4.5 and RCP8.5 emissions scenarios, respectively, with greater losses regionally and in deep sea areas (Jewett and Romanou 2017 citing Bopp et al. 2013). Decreased oxygen concentrations and hypoxia affect the physiology, behavior, and ecology of marine organisms. For instance, hypoxia has the potential to affect the visual behavior of organisms as visual tissues have high oxygen demands (McCormick and Levin 2017). Hypoxia may also cause deterioration in the reproductive systems of both male and female fish, leading to a significant decrease in hatching success (Lai et al. 2019). The ability of marine organisms to survive in hypoxic conditions is further strained by warming ocean temperatures. Marine benthic organisms (i.e., organisms that live on or near the ocean floor) have been shown to have significantly shortened survival times when subjected to warmer hypoxic conditions (Vaquer-Sunyer and Duarte 2011).

Ocean salinity levels can be affected by freshwater additions, ocean evaporation, and the freezing or thawing of ice caps and glaciers. Marine organisms are adapted to specific levels of ocean salinity and often become stressed by changing salinity levels. Additionally, changing ocean salinity levels affect the density of water, which in turn affects factors such as the availability of local drinking water and, potentially, global ocean circulation patterns. Although the globally averaged salinity change is small, changes in regional basins have been significant. On a regional scale, projected trends over the 21st century indicate that fresh ocean regions will continue to get fresher and salty ocean regions will continue to get saltier (*medium confidence*) (IPCC 2021a). Evaporation-dominated subtropical regions are exhibiting definite salinity increases, while regions dominated by precipitation are undergoing

increasing freshening in response to intensification of the hydrological cycle (IPCC 2021a; UN 2021). These effects are amplified in regions that are experiencing increasing precipitation or evaporation. Findings through surface water analyses of the Atlantic Ocean show increased salinity, while the Pacific Ocean demonstrates decreased salinity, and the Indian Ocean has observed minimal changes (Durack and Wijffels 2010).

Net primary production refers to the net flux of carbon from the atmosphere into organic matter over a given period. Ocean systems provide approximately half of global net primary production. Net primary production is influenced by physical and chemical gradients at the water surface, light, and nutrient availability. A changing climate alters the mixed layer depth, cloudiness, and sea-ice extent, thus altering net primary production. Global mean net primary productivity of oceans is projected to decline by 2080 to 2099 relative to 2006 to 2015 under all scenarios with considerable regional variations, ranging from large declines in the North Atlantic and western equatorial Pacific to consistent productivity increases in the high latitudes (IPCC 2022a citing Kwiatkowski et al. 2020). Impacts on primary productivity vary significantly across regions. While primary productivity in the tropics and temperate zones is projected to decrease, primary productivity in high-latitude regions, particularly the Arctic, showed positive trends from 2003 to 2021 in all nine regions, with statistically significant trends occurring in two regions—the Eurasian Arctic and the Barents Sea (NOAA 2022).

Adaptation

The primary adaptation options for sea-level rise include *protection*, *accommodation*, *advance*, and *retreat*—all of which are widely used around the world (IPCC 2022a citing Cooley et al. 2022, Glavovic et al. 2022, and Oppenheimer et al. 2019). *Protection* is the creation of barriers against sea intrusion, through a variety of hard engineering (e.g., sea walls and dikes), soft engineering (e.g., beach nourishment) and nature-based measures (e.g., mangrove protection). *Accommodation* is achieved by increasing the flexibility of infrastructure and adjusting the use of at-risk coastal zones, for example, through flood proofing and spatial planning (IPCC 2022a). An *advance* strategy creates new land by building seaward, which can reduce risk for the hinterland or the newly elevated land, for example, through land filling. *Retreat* allows the impacts of sea-level rise to occur unobstructed as inhabitants pull back from inundated coastlines, such as through adaptive migration, planned relocation, or involuntary displacement.

Ecosystem-based protection strategies, which include the protection and restoration of coastal ecosystems like oyster reefs, mangroves, and salt marshes are increasingly attracting attention (IPCC 2022a citing Beck et al. 2018 and Narayan et al. 2016). In addition, reducing non-climate stresses (e.g., coastal pollution, overfishing, development) may increase the climate resilience of framework organisms (i.e., tropical corals, mangroves, and seagrass) (World Bank 2013; Ellison 2014; Anthony et al. 2015; Sierra-Correa and Cantera Kintz 2015; Kroon et al. 2016; O'Leary et al. 2017; Donner 2009).

While many coastal adaptation plans call for risk identification, monitoring, research, and planning, required financial resources for implementation and capacities of communities to adapt equitably need to be increased (GCRP 2018a). Some examples of coastal adaptation include integrating natural

⁶³ Net primary production is estimated as the amount of carbon synthesized via photosynthesis minus the amount of carbon lost via cellular respiration.

landscape features with built infrastructure (green and gray infrastructure⁶⁴) to reduce stormwater runoff and wave attack, constructing seawalls around wastewater treatment plants and pump stations, pumping effluent to higher elevations as sea levels rise, pumping fresh water into coastal aquifers to mitigate saltwater infiltration, developing flood-proof infrastructure, relocation of coastal infrastructure away from the coast, and relocation of communities away from high-hazard areas (GCRP 2018a). Some examples of ocean adaptation include reducing overfishing; establishing marine protected areas; conserving habitat to increase resilience; restoring and conserving coastal ecosystems like oyster reefs, mangroves, and coral reefs; and developing alternative livelihood options for marine food-producing sectors (GCRP 2018a).

E.5.2.4 Food, Fiber, and Forest Products

Increases in atmospheric CO₂, combined with rising temperatures and altered precipitation patterns, have begun to affect both agricultural and forest systems (Walthall et al. 2013; GCRP 2015, 2018a; IPCC 2022a; U.S. Department of Agriculture [USDA] 2015, 2020; U.S. Forest Service [USFS] 2016; Food and Agriculture Organization of the United Nations [FAO] 2015, 2022). These impacts are expected to become more severe and to affect food security (FAO 2015; GCRP 2015).

Observed and Projected Climate Impacts

Climate change has slowed the growth of agricultural production over the past 50 years and will put pressure on food production and access, particularly undermining food security in vulnerable regions. It is projected that current global crop and livestock areas will increasingly become climatically unsuitable—an estimated 8 percent under SSP1-2.6 and 30 percent under SSP5-8.5 by 2100. Though a few regions may experience some beneficial effects in the near future, overall impacts on terrestrial and aquatic food systems will become increasingly negative (IPCC 2022a). Currently, yields for some crops are increasing; however, climate change could be diminishing the rate of these increases. It is estimated that global crop yield reduction due to climate change is about 1 percent per decade, with median yield declines for major crops ranging from 0.7 percent for rice to 1.3 percent and 2.3 percent for wheat and maize, per decade, respectively (IPCC 2022a citing Porter et al. 2014). Generally, yields and food security are at greater risk in less-developed, low-latitude countries (FAO 2015; GCRP 2015), concentrated in Sub-Saharan Africa, South Asia and Central America (IPCC 2022a).

Increased frequency and intensity of extreme weather events is expected to negatively influence crop, livestock, and forest productivity and increase the vulnerability of agriculture and forests to climate risks (Walthall et al. 2013; GCRP 2018a; IPCC 2022a; USDA 2015, 2020; EPA 2016f; USFS 2016; Vogel et al. 2019b). Increases in frequency and intensity of droughts, floods, heatwaves, and continued sea-level rise will increase risk to food security (*high confidence*) from moderate to high between 1.5°C (2.7°F) and 2°C (3.6°F) global warming levels, assuming no to low levels of adaptation (IPCC 2022a). Specific climate impacts on agriculture will vary based on the species, location, timing, and current productivity of agricultural systems (including crops, livestock, and fish) at local, national, and global scales (IPCC 2022a; USDA 2015).

Bench- and field-scale experiments have found that over a certain range of concentrations, greater CO₂ levels have a fertilizing impact on plant growth (e.g., Long et al. 2006; Schimel et al. 2000) with

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⁶⁴ Green infrastructure refers to sustainable pollution-reducing practices that also provide other ecosystem services (e.g., permeable pavements, green roofs). Gray infrastructure refers to traditional practices for stormwater management and wastewater treatment, such as pipes and sewers.

considerable variability among regions and species (McGrath and Lobell 2013). However, climate change is projected to cause multiple abiotic (nonliving) stressors (e.g., temperature, moisture, extreme weather events), and biotic (living) stressors (e.g., disease, pathogens, weeds, insects) on crop production (Thornton et al. 2014; IPCC 2022a; GCRP 2017, 2018a). Climate change impacts on agriculture may also affect socioeconomic conditions, such as the amount of crop insurance paid to cover losses from extreme climate conditions (Walsh et al. 2020).

Additionally, climate change is projected to affect a wide range of ecosystem processes, including maintenance of soil quality and regulation of water quality and quantity (GCRP 2018a; USDA 2015). Changes in these and other ecosystem services will exacerbate stresses on crops, livestock, and forests (Walthall et al. 2013; GCRP 2018a). Major staple crops (wheat, rice, maize, and soybean) could suffer reduced yields between 3 and 7.4 percent for each degree-Celsius increase in global mean temperature (Zhao et al. 2017).

Livestock are vulnerable because climate change affects the nutritional quality of pastures and grazing lands; affects the production, availability, and price of feed-grains; stresses animals; hurts overall animal well-being (i.e., animal health, growth, and reproduction and distribution of animal diseases and pests); and decreases livestock productivity (e.g., meat, milk, and egg production) (IPCC 2022a citing Rojas-Downing et al. 2017, Godde et al. 2021, Stanimirova et al. 2019, Sloat et al. 2018, Bett et al. 2017, and Naqvi et al. 2015; GCRP 2018a citing Key et al. 2014, Amundson et al. 2006, Dash et al. 2016, Rojas-Downing et al. 2017, Giridhar and Samireddypalle 2015, Lee et al. 2017, Paul et al. 2007, and Zhorov 2013).

Studies have concluded that climate change is affecting aquatic ecosystems, including marine and freshwater fisheries (IPCC 2022a; Groffman et al. 2014). Climate change impacts on marine fisheries have primarily been linked to increasing temperatures (including both mean and extreme temperatures) but are also affected by increasing CO₂ concentrations and ocean acidification (IPCC 2022a; GCRP 2018a). Fisheries are affected by increases in ocean temperatures, resulting in many marine fish species migrating to deeper or colder water, additional stress to already strained coral reefs, and an expansion in warm freshwater habitats and a shrinkage of cool and cold freshwater habitats (IPCC 2022a; NOAA 2015a). FAO estimates that by 2050, the average total marine maximum catch potential in the world's Exclusive Economic Zones could decline by 7 to 12 percent (relative to 2000) under a higher emissions scenario (RCP8.5); by 2100, this decrease could be as much as 16 to 25 percent (Bell and Bahri 2018 citing FAO 2018). However, these decreases would not be consistent around the globe. Another study found that fisheries productivity could experience a decline in maximum catch potential of 10 to 47 percent compared to the 1950 to 1969 level under RCP8.5 in the contiguous United States and experience an increase in potential of 10 percent in the Gulf of Alaska and 46 percent in the Bering Sea (GCRP 2018a citing Cheung et al. 2016).

Climate change threatens forests by increasing tree mortality and forest ecosystem vulnerability due to fire, insect infestations, drought, disease outbreaks, increasing temperatures, and extreme weather events (Joyce et al. 2014; IPCC 2022a; USFS 2016; GCRP 2018a; Aleixo et al. 2019; Williams et al. 2019). Currently, tree mortality is increasing in many parts of the globe due to warmer and drier than average conditions (IPCC 2022a). It is projected that tree mortality will increase with climate change as forests become more exposed to extreme events like heatwaves, droughts, and storm, and due to increased incidences of wildfires (IPCC 2022a). GCRP estimates that water-limited forests will be further constrained by a warmer climate, while energy-limited forests may experience an increase in growth due to climate change (GCRP 2018a).

Other climate-change-induced direct and indirect effects, such as 1) changes in the distribution and abundance of insects and pathogens, 2) fire, 3) changes in precipitation patterns, 4) invasive species, and 5) extreme weather events (e.g., high winds, ice storms, hurricanes, landslides), are also affecting forests (GCRP 2017; Thornton et al. 2014; IPCC 2022a). A dramatic increase in the area burned by wildfire and risk of wildfire is projected in the contiguous United States through 2100, especially in the West (EPA 2015d; Halofsky et al. 2017; Tett et al. 2018). In the past 4 decades, burned area from wildfires has roughly quadrupled in the United States due to a variety of factors, one of which is a recent increase in fuel aridity, which is expected to continue to increase as the climate changes (Burke et al. 2021 citing National Interagency Fire Center 2020). Moreover, in recent years, there has been recordbreaking wildfire activity in areas not typically prone to wildfires, such as the Arctic and the Amazon (United Nations Environment Programme [UNEP] and GRID-Arendal 2022). Tree species are predicted to shift their geographic distributions to track future climate change (Zhu et al. 2014; USFS 2016).

Forests serve as a net carbon sink globally but are projected to become less effective at capturing accumulated CO₂ as GHG emissions increase (IPCC 2021b). Carbon storage is to expected to generally decrease in the future due to increased temperatures, more frequent droughts, increased disturbances such as pest outbreaks and wildfires, and current trends in land use and forest management, making it difficult to predict whether forests will continue to serve as a net carbon sink in the future (Joyce et al. 2014; GCRP 2018a; IPCC 2022a). For example, impacts of climate change coupled with deforestation and agricultural expansion have caused the Amazon rainforest to become an overall net carbon emitter between 2010 to 2019 (IPCC 2022a citing Qin et al. 2021 and Hubau et al. 2020). In addition, historic land uses have a legacy effect on patterns of carbon uptake in forests, further complicating the calculation of future CO₂ sequestration patterns (Thom et al. 2018).

Climate change impacts on food security and food systems are predicted to be widespread, complex, geographically and temporally variable, and greatly influenced by socioeconomic conditions (IPCC 2022a). For example, smallholder farmers—a group that suffers from chronic food insecurity—are especially vulnerable to the risks of pests, diseases, and extreme weather events that are made worse by climate change (Mbow et al. 2019). An additional challenge for food security will be future population growth, with global population projected to reach 9.8 billion by 2050 (GCRP 2018a citing Hallström et al. 2015, Harwatt et al. 2017, UN Department of Economic and Social Affairs 2017). Climate change, through direct and indirect pathways, adversely affects all four pillars of food security availability, access, utilization, and stability—all of which are closely tied to underlying socioeconomic factors like poverty and inequality (IPCC 2022a). Projected rising temperatures, changing weather patterns, and increases in the frequency of extreme weather events will affect food security by potentially altering agricultural yields, post-harvest processing, food and crop storage, transportation, retailing, and food prices (GCRP 2018a; IPCC 2022). Many of these impacts are expected to be negative, including decreasing production yields; harming pollinators; increasing costs and spoiling during processing, packaging, and storage; inhibiting water, rail, and road transportation; and increasing food safety risks (GCRP 2015; Giannini et al. 2017). The negative consequences of climate change decreased crop yields, nutrition, and food security—are projected to be more severe under 2°C (3.6°F) of warming than under 1.5°C (2.7°F) of warming (high confidence) (IPCC 2018).

Currently, the vast majority of undernourished people live in developing countries (IPCC 2022a). Both due to the nature of the direct impacts and the means to implement adaptation strategies, climate change poses the greatest food security risks to poor and tropical region populations, and the least risk to wealthy, temperate, and high-latitude region populations (GCRP 2015; FAO 2015). As most countries import at least some of their domestic food consumed, climate change has the potential to affect not

just food production but also the amount of food that countries import and export. Import demand is expected to increase for developing nations lacking advanced technologies and practices and producing low agricultural yields (GCRP 2015).

Adaptation

Over the past 150 years, the agricultural and forestry sectors have demonstrated an impressive capacity to adapt to a diversity of growing conditions amid dynamic social and economic changes (Walthall et al. 2013; Joyce et al. 2014; FAO 2015; GCRP 2015). Recent changes in climate, however, threaten to outpace the current adaptation rate and create challenges for the agricultural sector and associated socioeconomic systems (GCRP 2018a; IPCC 2022a). Economic literature indicates that in the short term, producers will continue current adaptation practices for weather changes and shocks (e.g., by changing timing of field operations, shifting crops grown, changing tillage/irrigation practices) (GCRP 2018a). In the long term, however, current adaptation technologies are not expected to buffer the impacts of climate change sufficiently (GCRP 2018a). In fact, significant shifts in crop choice and land-use patterns will be required in order to sustain production growth and match global demand (Mbow et al. 2019).

To minimize these impacts, a variety of resilience actions can be implemented, including management and policy, engineering, and insurance responses. Management practices associated with sustainable agriculture, such as diversifying crop rotations and crop varieties, integrating livestock with crop production systems, improving soil quality, and minimizing off-farm flows of nutrients and pesticides can increase resiliency to climate change (GCRP 2018a citing Walthall et al. 2012, Rojas-Downing et al. 2017, Yorgey et al. 2017, and Abberton et al. 2016; Li et al. 2019). Furthermore, the use of heat- and stress-tolerant and other adaptively advantageous varieties of crops can increase yield in the face of climate change (Zhang and Zhao 2017; GCRP 2018a). Enhancing genetic resources via genetic modification and improved breeding systems also has potential to enhance crop resilience (GCRP 2015 citing Jacobsen et al. 2013 and Lin 2011).

For livestock, adaptive capacity is limited by high costs and competition. Possible adaptation measures include breeding livestock to genetically adapt to local conditions, improving the design of livestock housing, and implementing management strategies that cool livestock and reduce stress (GCRP 2018a). However, cooling strategies are not always economically feasible due to high infrastructure and energy demands (GCRP 2015). Furthermore, increased shade and moisture can heighten pathogen risk (Fox et al. 2015). Irrigation strategies to improve feed quality and quantity could also be limited by competition with other water users, especially in arid climates (GCRP 2015 citing Elliott et al. 2014). To enhance resilience against increased pathogen risk, adaptation strategies include no-regrets strategies, disease surveillance and response, disease forecast capacity, animal health service delivery, eradication of priority diseases, increased diversification and integration of livestock with agriculture, breeding resilient animals, and monitoring impacts of land-use change on disease (Grace et al. 2015). Fisheries have developed a number of adaptation practices as well. For example, NOAA's Climate Science Strategy (2015b) has the objective of designing adaptive decision processes to enable fisheries to enhance fishery resilience.

Forest management responses to climate change will be influenced by the changing nature of private forestland ownership, globalization of forestry markets, emerging markets for bioenergy, and climate change policy (Walthall et al. 2013; Joyce et al. 2014). The emerging market for bioenergy—the use of plant-based material to produce energy—has the potential to aid in forest restoration (Joyce et al. 2014). At the same time, possible projected declines in a skilled forest sector workforce and timber product output (and lower prices for timber) could pose a challenge to climate change adaptation of

forests (GCRP 2018a citing USFS 2016). Flexible policies that are not encumbered with legally binding regulatory requirements can facilitate adaptive management where plants, animals, ecosystems, and people are responding to climate change (Joyce et al. 2014 citing Millar and Swanston 2012). Ultimately, maintaining a diversity of tree species could become increasingly important to maintain the adaptive capacity of forests (Duveneck et al. 2014). Carbon sequestration losses can be mitigated using sustainable land-management practices (GCRP 2015 citing Branca et al. 2013).

In terms of food security, global undernourishment dropped from 19 percent in 1990 to 1992 to 11 percent in 2014 (GCRP 2015). However, global undernourishment has been increasing in recent years, from 8 percent in 2019 to 9.3 percent in 2020 and 9.8 percent in 2021 (FAO et al. 2022). This recent increase is due largely to the COVID-19 pandemic, but it is unclear what future trends will look like, particularly with other global stressors such as the war in Ukraine as well as the challenges posed by climate change (FAO et al. 2022; GCRP 2015). Developing and implementing new agricultural methods in low-yield regions, reducing waste in the food system, making food distribution systems more resilient to climate risks, protecting food quality and safety at higher temperatures, and creating policies to ensure food access for disadvantaged populations during extreme events are all adaptation strategies to mitigate the effects of climate change (GCRP 2015, 2018a; IPCC 2022a). Ultimately, adaptation will become more difficult as physiological limits of plant and animal species are exceeded more frequently and the productivity of crop and livestock systems becomes more variable (GCRP 2018a).

E.5.2.5 Urban Areas

Urban centers are now home to more than half of the global population, and this percentage continues to increase every year (IPCC 2022a). Global urban populations grew by more than 397 million people between 2015 and 2020, with more than 90 percent of this increase concentrated in less developed countries (IPCC 2022a). More recent estimates project approximately 60 percent of the global population will reside in urban areas by 2030, with more people living in unplanned and informal settlements (IPCC 2021a; IPCC 2022a citing UN Department of Social and Economic Affairs 2018). In the United States, approximately 85 percent of the population lives in metropolitan areas (GCRP 2018a). In addition to large numbers of people, urban centers also contain a great concentration of the world's economic activity, infrastructure, and assets (IPCC 2022a; GCRP 2018a).

Wealthy nations are predominantly urbanized, and low- and middle-income nations are rapidly urbanizing. Urbanization processes generate vulnerability and exposure that interact with climate hazards, resulting in urban risk and impacts (high confidence) (IPCC 2022a). The rate of urbanization is outstripping the rate of investment in basic infrastructure and services, which is creating urban communities with high vulnerability to climate change, especially in unplanned and informal settlements (IPCC 2022a citing Angel et al. 2016, Banks et al. 2020, and Myers 2021). Across urban communities, there are very large differences in the extent to which economies are dependent on climate-sensitive resources, but in general, a high proportion of people most at risk of extreme weather events are located in urban areas (IPCC 2022a). The most economically and socially marginalized people in urban areas are the most affected by climate impacts (high confidence) (IPCC 2022a).

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⁶⁵ Metropolitan areas include urbanized areas of 50,000 or more population, plus adjacent territory that has a high degree of social and economic integration (Office of Management and Budget 2010).

Observed and Projected Climate Impacts

The risks of climate change to urban communities and their populations' health, livelihood, and belongings are increasing. Risks include rising sea levels, storm surges, extreme temperatures, extreme precipitation events leading to inland and coastal flooding and landslides, drought leading to increased aridity and water scarcity, and various combinations of stressors exacerbating air pollution (IPCC 2022a; GCRP 2018a). It cannot be assumed that climate change impacts will be the same or even similar in different cities (Silver et al. 2013). In addition, certain population groups may be more directly affected by climate change than other groups. For example, the very young and elderly are both more sensitive to heat stress, some communities of color and tribal and Indigenous communities are disproportionately exposed to health risks related to climate hazards, those with preexisting health issues could be more sensitive to a range of stressors, and low-income groups and women could be more sensitive due to a lack of resources and discrimination in access to support services (Ebi et al. 2018; IPCC 2022a; Cutter et al. 2014; GCRP 2018a). In turn, some populations most vulnerable to climate-related health hazards also experience greater challenges in accessing information, resources, and tools for building resilience to climate change (Ebi et al. 2018).

Cities that are projected to experience rising temperatures are apt to experience temperatures even higher than projected due to the urban heat island effect (whereby the volume of paved land in urban areas absorbs and holds heat along with other causes) (GCRP 2018a citing Hibbard et al. 2017; IPCC 2022a citing Oke et al. 2017, Susca and Pomponi 2020, and Doblas-Reyes et al. 2021). Heatwaves are also projected to worsen, and half of the future urban population will be affected by extreme heat events (IPCC 2022a). This could lead to increased health impacts, air pollution, and energy demand, disproportionately affecting low-income, young, historically underserved, and elderly populations (IPCC 2022a citing Chambers 2020, Sabrin et al. 2020, and Quintana-Talvac et al. 2021). Urbanization, through increased impermeable surfaces and microclimatic changes, can also increase flooding. Climatic trends, such as increased frequency of extreme precipitation and sea-level rise, will stress existing flood infrastructure (GCRP 2017; National Academies of Sciences, Engineering, and Medicine 2019).

Drought and reduced snowpack will have many effects in urban areas, including water shortages, electricity shortages (from decreased hydropower operation), water-related diseases (which could be transmitted through contaminated water), and food insecurity. Changes in precipitation due to climate change could exacerbate existing water demand conflicts, both within cities and across regions (IPCC 2022a citing Garrick et al. 2019, Moser and Hart 2015, and Liu et al. 2018). Sea-level rise and increases in tropical cyclone storm surge can also increase the probability of coastal city flooding (high confidence) (IPCC 2022a). Sea-level rise will also result in increased salinization of groundwater, estuaries, wetlands, and soils, which will further constrain water availability and quality (IPCC 2022a). Increased eutrophication from warming water temperatures will incur costs related to upgrading municipal drinking water treatment facilities and purchase of bottled water. Additionally, sea-level rise poses a risk to water treatment facilities (Baron et al. 2013).

In developed and developing countries, stormwater systems will be increasingly overwhelmed by extreme short-duration precipitation events if they are not upgraded (IPCC 2022a citing Flood and Cahoon 2011, Trtanj et al. 2016, Hummel et al. 2018, Kirshen et al. 2018, Nazarnia et al. 2020, Reznik et al. 2020, and McKenzie et al. 2021). If storm drains for transportation assets are blocked, then localized flooding can cause delays (GCRP 2014).

Climate change will have direct impacts on both the production and the demand side of the energy system. For example, individual or combinations of hazards may increase risk of direct physical damage

to generation as well as transmission and distribution systems, reduce the efficiency of water cooling for large thermoelectric electricity generating facilities, reduce water availability for hydroelectric and wind power potential, and change demands for heating and cooling in developed countries (GCRP 2018a; IPCC 2022a; National Academies of Sciences, Engineering, and Medicine 2017a). Many power supply facilities such as power plants, refineries, pipelines, transmission lines, substations, and distribution networks are located in coastal environments and are thus subject to direct physical damage and permanent and temporary flooding from sea-level rise, higher storm surge and tidal action, increased coastal erosion, and increasingly frequent and intense storms and hurricanes (GCRP 2018a). The facilities may also be negatively affected by the vulnerability of transportation systems that provide feedstocks such as coal (DOE 2015 citing DOE 2013; Ingram et al. 2013).

Climate change impacts that decrease the reliability of, or cause disruptions to, the energy supply network could have far-reaching consequences on businesses, infrastructure, health care, emergency services, residents, water treatment systems, traffic management, and rail shipping (GCRP 2018a; IPCC 2022a citing Groundstroem and Juhola 2019 and Cronin et al. 2018). Oil and gas availability for transportation in the United States would also be affected by increased energy demand in global markets as well as by climate change events. For example, DOE (2015) concluded that 9 percent of U.S. refining capacity could be exposed to sea-level rise and storm surge in 2050 (assuming 23 inches of sea-level rise and a Category 3 storm), and strategic petroleum reserves may be exposed to flooding during lower-intensity storms.

The daily and seasonal operation of most transportation systems is already sensitive to fluctuations in precipitation, temperature, winds, visibility, and for coastal cities, rising sea levels (GCRP 2018a citing Niemeier et al. 2013, Schwartz et al. 2014, and Chinowsky et al. 2017; IPCC 2022a). With climate change, the reliability and capacity of the transportation network could be diminished from increased frequency of flooding and heat events and increased intensity of tropical storms (GCRP 2018a; DOT 2019a). Information and communication technology (ICT) infrastructure is already vulnerable to climate risks. Impacts on ICT components include flooding of electrical support systems, wind, ice and snow damage to overhead cables, corrosion due to flooding and sea-level rise, heatwave-induced ground shrinkage and damage to underground ICT assets, and unstable foundations due to warming-induced permafrost melt (IPCC 2022a citing Fu et al. 2016 and Shiklomanov et al. 2017).

Housing in urban areas is heavily affected by extreme weather events such as cyclones, floods, and fires, causing both physical damage and loss of property value (IPCC 2018a). Housing that is constructed out of informal building materials (usually occupied by low-income residents) and without strict building codes is particularly vulnerable to extreme events (IPCC 2022a). Loss of housing due to extreme events and shifts in climate patterns is linked to displacement, loss of home-based businesses, and health and security issues (IPCC 2022a). Some of the climate impacts described here (e.g., property damage associated with greater flood risk) are sometimes described as costs of carbon in analyses of the social cost of carbon (National Academies of Sciences, Engineering, and Medicine 2017b).

Climate change will also affect urban public services such as health care and social care services, education, police, and emergency services (IPCC 2022a citing Corvalan et al. 2020 and Hierink et al. 2020). The links between city sectors can mean that climate stressors have cascading impacts across sectors; these impacts increase risk to urban dwellers' health and well-being and make urban areas more vulnerable to disruptions (GCRP 2018a citing Torres and Maletjane 2015). Water shortages can lead to reliance on poorer quality water sources and can increase the likelihood of contracting waterborne illnesses. Changes in temperature extremes will also affect health through heat stress and

changes in air quality (IPCC 2022a); however, impacts of climate change on air quality in particular locations are highly uncertain (IPCC 2022a citing Weaver et al. 2009 and Baklanov et al. 2016).

Adaptation

Adapting urban centers will require substantial coordination between the private sector, multiple levels of government, and civil society (GCRP 2018a; GCRP 2018a citing Department of the Interior Strategic Sciences Group 2013, C40 Cities Climate Leadership Group and Arup 2015, and Arup et al. 2013), but early action by urban governments is key to successful adaptation because adaptation measures need to be integrated into local investments, policies, and regulatory frameworks (IPCC 2022a). Existing risk reduction plans, such as public health and natural hazard mitigation plans, provide strong foundations for the development of more comprehensive and forward-thinking documents that address increasing exposure and vulnerability (IPCC 2022a). Embedding adaptation into existing plans and decision-making processes (e.g., multi-hazard mitigation plans, long-term water plans, permitting review processes) helps to institutionalize adaptation (Aylett 2015; GCRP 2018a citing Bierbaum et al. 2013, Hughes 2015, and Rosenzweig et al. 2015). Taking a long-term view toward planning is important so that future climate impacts do not undermine plans put in place now (GCRP 2018a). Although many more cities have adopted adaptation plans since IPCC AR5, there remains a large gap between planning and implementation, mainly due to lack of governance and management capacity, limited financial mechanisms, and competing priorities (IPCC 2022a). Financing adaptation strategies could be one of the largest hurdles to overcome; however, urban adaptation can enhance the economic competitiveness of an area by reducing risks to businesses, households, and communities (IPCC 2022a). Additionally, there are emerging synergistic options for urban adaptation measures that also deliver GHG emissions reduction co-benefits (IPCC 2022a).

E.5.2.6 Rural Areas

This section discusses existing vulnerabilities in rural areas, associated climate change impacts, and potential adaptation strategies. It is difficult to consistently define rural areas because human settlements exist along a continuum from urban to rural with many varied land-use forms in between; moreover, there are varying development patterns between developed and developing countries (IPCC 2022a). IPCC describes rural settlements as those with low population density and a high proportion of people engaged in the agricultural sector for their livelihoods (IPCC 2022a).

The Organization for Economic Co-operation and Development (OECD) estimates that 24 percent of the global population lives in rural areas (IPCC 2022a citing OECD and European Commission 2020). The U.S. Census Bureau classifies more than 97 percent of the land area in the United States as rural but only 20 percent of the population calls these areas home (U.S. Census Bureau 2020). Rural areas tend to have a higher percentage of people living in poverty than urban areas, in addition to having lower education and lower wages for the same level of education than people in urban areas (GCRP 2018a).

Observed and Projected Climate Impacts

Rural livelihoods and incomes are mostly based on farming, livestock rearing, and natural resources that are inherently sensitive to climate variability and change (IPCC 2022a citing Viswanathan and Kumar 2015 and Bohra-Mishra et al. 2017; GCRP 2018a). Due to their dependence on natural resources and reliance on weather-dependent activities, rural communities are subject to unique vulnerabilities to climate change (GCRP 2018a). In addition, rural communities often lack economic diversity and have limited access to the internet and limited critical infrastructure, making it more difficult for communities

to adjust to climate disturbances (GCRP 2018a; IPCC 2022a). Due to the lack of economic diversity, climate change will place disproportionate stress on the stability of rural communities, also referred to as a *climate gap* (GCRP 2018a). Rural vulnerabilities also have the potential to affect urban areas significantly; for example, drought experienced in rural areas can decrease food production and contribute to food insecurity in urban areas (IPCC 2022a).

An increase in extreme climate-induced events will have a negative impact on rural areas and their agricultural production. Tropical storms, extreme flooding, and droughts have led to a rise in food rates and created severe food crises (IPCC 2022a). Extreme heat has also posed challenges to human and livestock health from increased frequency of extreme temperatures (IPCC 2022a; GCRP 2018a). Heat stress has caused livestock production to decrease in productivity, caused livestock to experience increased mortality rates, and resulted in large economic losses for producers (IPCC 2022a; GCRP 2018a).

Rural areas frequently depend on groundwater extraction and irrigation for local agriculture (IPCC 2022a). In the United States, groundwater is responsible for more than 40 percent of water used in agriculture (GCRP 2018a). In some areas, irrigation has exceeded the natural aquifer recharge rates, shrinking water availability (GCRP 2018a). In the future, increased evaporation caused by warming temperatures, in addition to drought conditions, will deplete surface water and groundwater resources and increase stress on irrigation systems (GCRP 2018a). In the long term, it is projected that irrigated acreage will decrease due to the decline of water availability and the decreasing profitability of irrigated crops (GCRP 2018a).

Soil erosion is also a threat to rural communities and agricultural productivity (GCRP 2018a). Extreme precipitation events are expected to increase in frequency due to climate change within many regions of the United States (GCRP 2018a). This will consequently increase the potential for soil to be eroded and reduce agricultural productivity (GCRP 2018a). In addition, major flooding events can lead to soil and water degradation in rural communities and decrease economic activity (GCRP 2018a). For more information on climate impacts on agriculture, see Section E.5.2.4, Food, Fiber, and Forest Products. Nonfood crops and high-value food crops such as cotton, rice, corn, wheat, wine grapes, beverage crops (coffee, tea, and cocoa), and other cash crops contribute to an important source of income to rural locations. Negative impacts of climate change on a variety of crop types, including cash crops, have already been documented (GCRP 2018a; IPCC 2022a).

Impacts of climate change on rural infrastructure are similar to those in urban areas (see Section E.5.2.5, *Urban Areas*), but frequently there is less redundancy in rural systems, so assets are more vulnerable to hydroclimatic events (GCRP 2018a). Rural communities are becoming more connected to urban ones, but human migration from rural to urban areas is not necessarily any greater due to climate change than under regular conditions (IPCC 2022a). Migration will increase following extreme events that lead to the desertion of local communities (e.g., extreme storms), but migration from slow environmental degradation (e.g., sea-level rise) is anticipated to be minimal. Generally, more migration is linked to additional stressors such as political instability and socioeconomic factors (IPCC 2022a). It is possible that factors such as increased temperatures and natural disasters will spur migration, but the underlying force may be the adverse consequences of climate change on agriculture (Bohra-Mishra et al. 2017).

Rural communities that are economically reliant or centered around rural landscapes for tourism are also vulnerable to the impacts of climate change (IPCC 2022a). Declining snow cover, increase in wildfire smoke, and animal migration shifts are just some climate-related impacts that are expected to decrease tourism in rural areas (IPCC 2022a). Coastal tourism infrastructure is vulnerable to sea-level rise, storm

surge, and coastal erosion (IPCC 2022a). Additionally, an increase in algal blooms and changes in wind and precipitation patterns can threaten costal tourism in North America (IPCC 2022a). Nature-based tourism in tropical forests may be affected by the declining rate of biodiversity and consequently experience a decline in nature trekking (IPCC 2022a). Glacier melting may also reduce nature trekking and other nature-based tourism activities (IPCC 2022a). Winter sport tourism and recreation are also negatively affected by changes in seasonality and shifts in precipitation as more precipitation is falling as rain rather than snow (IPCC 2022a).

Adaptation

Some feasible and effective adaptation options for people living in rural areas include the provision of basic services, livelihood diversification, and strengthening of food systems (*high confidence*) (IPCC 2022a). Providing critical infrastructure, for example, through renewable energy projects, can provide many co-benefits (IPCC 2022a). Biodiversity management strategies can also provide multiple social co-benefits to rural communities, including improved community health and opportunities for recreational activities and ecotourism. Climate-smart agricultural initiatives, such as cover crops, specialized irrigation, and nutrient management, can also help rural communities prepare for climate variability and change (GCRP 2018a), while strengthening local and regional food systems and building resilience and self-reliance (IPCC 2022a).

While rural lands and rural communities have the potential to make significant contributions to climate change mitigation and adaptation, these opportunities are limited by socioeconomic and demographic factors (GCRP 2018a). Adaptations in rural communities face challenges posed by the lack of economic diversity, relatively limited infrastructure and resources, and limited political influence (GCRP 2018a citing U.S. House of Representatives 2017, Kuttner 2016, and Williamson et al. 2012). Adaptation efforts should focus on serving vulnerable populations and ensuring that an inclusive, equitable, and evidence-based decision process is followed (IPCC 2022a).

E.5.2.7 Human Health

This section provides an overview of the recent findings regarding observed and projected impacts of climate change on the human health sector in the United States and globally. This section describes the climate impacts related to extreme events, heat and cold events, air quality, aeroallergens, water- and food-borne diseases, vector-borne diseases, cancer, and indirect impacts on health. Effects of climate change on human health range from direct impacts from extreme temperatures and extreme weather events to changes in prevalence of diseases, and indirect impacts from changes to agricultural productivity, nutrition, conflict, and mental health (IPCC 2022a). However, vulnerability to health risks varies across subpopulations and geographic areas. Both globally and within the United States, 66 populations that are particularly vulnerable include those in vulnerable life stages such as pregnant and nursing women, the elderly, and children in all age groups; those with comorbidities and disabilities; those living alone; those experiencing homelessness, mental illness, or substance abuse; those living in inadequate housing; Indigenous and minority populations; outdoor workers; low-income residents lacking social support networks; those with less access to health care, including the uninsured and underinsured; and those with limited financial resources to rebound from disasters (Watts et al. 2019; IPCC 2022a; GCRP 2018a). Climate change is expected to exacerbate some existing health threats and create new challenges, and more people could be exposed (GCRP 2018a). At the same time, climate

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⁶⁶ Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles; Proposed Rule, 88 FR 29184 (May 5, 2023).

change could decrease the capacity of health systems to manage changes in health outcomes due to climate shifts.

Observed and Projected Climate Impacts

Health impacts associated with climate-related changes in exposure to extreme events (e.g., floods, droughts, heatwaves, severe storms) include death, injury, illness, or exacerbation of underlying medical conditions. Climate change will increase exposure risk in some regions of the United States due to projected increases in frequency and intensity of drought, wildfires, and flooding related to extreme precipitation, rising temperatures, and hurricanes (EPA 2021d).

Many types of extreme events related to climate change cause disruption to infrastructure—including power; heating, ventilation, and air conditioning systems; water; transportation; and communication systems—that are essential to maintaining access to health care and emergency response services that safeguard human health (EPA 2021d; GCRP 2016; IPCC 2022a). The damage caused by extreme events can disrupt transportation and access to health services, which exacerbates health conditions of those chronically sick (GCRP 2016).

Across climate risks, those experiencing discrimination, low-income populations, some communities of color, and older adults and children often experience disproportionate health impacts (Ebi et al. 2018; IPCC 2022a; GCRP 2018a). Populations with greater health and social vulnerability often have less access to resources, information, institutions, or other factors that could help avoid or prepare for the health risks of climate change (Ebi et al. 2018; IPCC 2022a; GCRP 2018a).

Extreme Temperature

One direct way climate change is projected to affect human health is through increasing exposure to extreme heat, which is the leading source of weather-related deaths in the United States (Nahlik et al. 2017; Sailor et al. 2019). Hospital admissions and emergency room visits tend to increase during hot days with heat-related illnesses, including cardiovascular and respiratory complications, renal failure, electrolyte imbalance, and kidney stones (GCRP 2018a). These hospitalizations come at a monetary cost to patients, who are more likely to be adults over 65 years, African Americans, Asian Americans/Pacific Islanders, and women (Schmeltz et al. 2016; GCRP 2018a). Higher than usual temperatures can cause heat exhaustion and heat stroke, and exacerbate other cardiovascular and pulmonary conditions (Mora et al. 2017; Tianqi et al. 2017 citing Borden and Cutter 2008, Bouchama et al. 2007, and Wilker et al. 2012; IPCC 2022a).

Certain populations are more vulnerable to extreme heat events than others. In general, those with preexisting conditions are more vulnerable to heat-related illness (Kuehn and McCormick 2017). In all parts of the world, the youngest, oldest, and poorest members of society are most vulnerable to health impacts from heat and cold events (EPA 2021d; GCRP 2016). Pregnant women and their fetuses are particularly vulnerable to the impacts of heat exposure because their thermoregulatory abilities are limited. Increased heat events could increase preterm birth, decrease birth weights, and increase the rate of stillbirths (Kuehn and McCormick 2017).

Higher temperatures and humidity can create negative health outcomes for people engaging in physical activity, or for those who work outside (IPCC 2018, 2022a). Worker safety and productivity during the hottest days and months will be a greater challenge under a changing climate (IPCC 2018). Longer-duration heatwaves are expected to heavily affect workers already exposed to extreme temperatures;

for example, outdoor workers (in both urban and rural areas) and miners. Occupational heat strain in outdoor workers may manifest as dehydration, mild reduction in kidney function, fatigue, dizziness, confusion, reduced brain function, loss of concentration, and discomfort (IPCC 2022a).

Certain geographic areas are more likely to experience damaging heat events. For example, the risk of heatwaves will be higher in cities as a result of the urban heat island effect (IPCC 2018, 2022a; GCRP 2018a). Additionally, increased mortality from extreme heat exposure will be more marked in regions that are currently warmer and poorer, particularly around the equator (Gasparrini et al. 2017; Mora et al. 2017).

With 1.5°C (2.7°F) of warming, twice as many megacities will be exposed to heat stress, which would expose approximately 350 million additional people to dangerous heatwave conditions by 2050 (IPCC 2018). It is projected that at a global scale, future exposure to heatwaves increases from approximately 15 million person-days in the current period to 170 billion person-days under business-as-usual emissions scenario (SSP2-4.5) and substantially higher to 535 billion person-days under a high emissions scenario (SSP5-8.5) (IPCC 2022a).

The reduction in cold-related deaths has not been studied as thoroughly as heat-related deaths, although such events have become less frequent and intense, and they are expected to continue to decrease (GCRP 2016). Warming associated with climate change could contribute to a decline in cold-related deaths, but evidence suggests that the impacts from extreme heat events greatly outweigh any benefits from decreases in cold-related deaths (GCRP 2018a; EPA 2015d, 2021d; IPCC 2022a citing Aboubakri et al. 2020, Achebak et al. 2020, Burkart et al. 2021, Rodrigues et al. 2020, and Weitensfelder and Moshammer 2020; Medina-Ramón and Schwartz 2007; GCRP 2018a citing Sarofim et al. 2016; Hajat et al. 2014; GCRP 2016 citing Mills et al. 2012, Deschênes and Greenstone 2011, Barreca 2012, and Honda et al. 2014).

Although extreme cold events are projected to become less frequent and severe under future warming, cold spells and cold waves may continue to threaten certain areas, especially in milder regions with larger temperature differences and less adaptive capacity to extreme cold (IPCC 2022a). Cold waves can cause adverse health impacts and premature deaths, in addition to threatening essential infrastructure and services (IPCC 2022a). For instance, the extreme cold temperatures experienced in Texas in February 2021 led to a significant increase in energy demand while adverse impacts on natural gas and electric power supply systems led to extensive power outages that left more than 4.5 million residents without power, resulted in 70 deaths, and economic losses estimated at \$196 billion (Zhiyuan et al. 2022).

Air Quality

Although CO₂ emissions do not directly affect air quality, increased temperatures and related climate changes due to emissions of CO₂ and other GHGs could increase the formation of ozone and PM2.5 and affect their dispersion and transport, affecting ozone and PM2.5 concentrations. Climate change could increase ground-level concentrations of ozone or PM in some locations, degrading air quality and negatively affecting human health (Chapter 4, Section 4.1.1.1, *Health Effects of Criteria Pollutants*), as well as being associated with developmental problems such as childhood attention deficit hyperactivity disorder (Perera 2017 citing Newman et al. 2013; Perera et al. 2014). Under future warming, more people are projected to die from PM2.5- and ozone-attributable causes by end of century compared to 2000 (Fann et al. 2021). An additional 21,000 deaths are projected to occur due to PM2.5 and an additional 4,100 deaths are projected to occur due to ozone (Fann et al. 2021).

Ozone formation is temperature-dependent and increases in ozone levels could result in more ozone-related mortality (IPCC 2018). Climate change may result in meteorological conditions more favorable for the formation of ozone, including higher temperatures, less relative humidity, and altered wind patterns (Jacob and Winner 2009; GCRP 2016). Ozone production could increase with rising temperatures, especially in urban areas (IPCC 2022a citing Archibald et al. 2020, Fu and Tian 2019, and Doherty et al. 2017). These climate-driven increases in ozone could cause premature deaths, hospital visits, lost school days, and acute respiratory symptoms (GCRP 2016; Silva et al. 2017).

As with ozone, climate change is expected to alter several meteorological factors that affect PM2.5, including precipitation patterns, wind patterns and atmospheric mixing, and humidity, although there is less consensus regarding the effects of meteorological changes on PM2.5 than on ozone (Jacob and Winner 2009; GCRP 2016 citing Dawson et al. 2014). Because of the strong influence of changes in precipitation and atmospheric mixing on PM2.5 levels and because of the high variability in projected changes to those variables, it is not yet clear whether climate change will lead to a net increase or decrease in PM2.5 levels in the United States (GCRP 2016 citing Dawson et al. 2014, Fiore et al. 2012, Penrod et al. 2014, Tai et al. 2012, Val Martin et al. 2015, Dawson et al. 2009, and Trail et al. 2014). Overall, however, eastern, midwestern, and southern states are projected to experience degraded air quality associated with climate change (EPA 2015d; GCRP 2016).

Climate change can also affect air quality through an increasing number of wildfires and changing precipitation patterns. Wildfires produce PM pollutants and ozone precursors that diminish both air quality and human health (EPA 2021d; GCRP 2016; Reid et al. 2016, 2019). Exposure to PM pollutants and extreme heat are individually associated with negative health impacts but can also have synergistic impacts on human health, as evidenced by the record-setting wildfire season experienced by California in 2020, where an estimated 42 percent of the state's population simultaneously experienced hazardous smoke PM2.5 and extreme temperatures at least once in that year (Rosenthal et al. 2022). Exposure to wildfire smoke has been linked to various adverse health impacts, including inflammation, reduced lung function, lung cancer, and mortality (UNEP and GRID-Arendal 2022; Burke et al. 2021 citing Casio 2018 and Reid et al. 2016). Wildfires can also cause adverse mental health impacts, such as post-traumatic stress disorder (UNEP and GRID-Arendal 2022).

Climate change could also affect air quality through changes in vegetative growth, increased summertime stagnation events, and increased absolute humidity (GCRP 2018a citing Leung and Gustafson 2005, Horton et al. 2014, Heald et al. 2008, and Lam et al. 2011). Further, climate change is projected to increase flooding in some locations both in the United States (GCRP 2017) and around the world (IPCC 2022a). Combined with higher air temperatures, this could foster the growth of fungi and molds, diminishing indoor air quality, particularly in impoverished communities (GCRP 2018a citing Fisk 2015, Fann et al. 2016, and Institute of Medicine 2011).

Increased temperatures and CO₂ concentrations can shift or extend plant growing seasons, including those of plants that produce allergens and pollen (EPA 2021d; GCRP 2018a citing Ziska et al. 2011 and Fann et al. 2016; Hjort et al. 2016). These effects already occur worldwide and are projected to continue with climate change (D'Amato et al. 2013; GCRP 2018a citing LaDeau and Clark 2006, Anenberg et al. 2017, Albertine et al. 2014, Singer et al. 2005, and EPA 2016; IPCC 2022a). Increases in pollen and other aeroallergens can exacerbate asthma and other health problems such as conjunctivitis and dermatitis (EPA 2021d; IPCC 2022a citing Beggs 2021, Ziska et al. 2019, Ziska 2020, and de Souza Hacon et al. 2019). Exposure to air pollutants such as increased ozone or PM levels could also exacerbate the

effects of aeroallergens (GCRP 2016 citing Cakmak et al. 2012). Increases in aeroallergens has also been known to reduce school and work productivity (GCRP 2016, 2018a).

Water- and Food-Borne Pathogens

Climate—both temperature and precipitation—can influence the growth, survival, and persistence of water- and food-borne pathogens (EPA 2021d; IPCC 2022a). Also, changing weather patterns may shift the geographic range, seasonality, and intensity of climate-sensitive infectious disease transmission (IPCC 2018). For example, heavy rainfall and increased runoff promote the transmission of water-borne pathogens and diseases in recreational waters, shellfish-harvesting waters, and sources of drinking water with increased pathogens and toxic algal blooms (GCRP 2016, 2018a; EPA 2021d). Diarrheal disease rates are also linked to temperatures (IPCC 2022a). More frequent and intense rainfall and storm surge events could lead to combined sewer overflows that can contaminate water resources (GCRP 2018a; EPA 2021d; IPCC 2022a citing Howard et al. 2016, Khan et al. 2015, and Sherpa et al. 2014) and changes in streamflow rates can precede diarrheal disease outbreaks like salmonellosis and campylobacteriosis (GCRP 2018a citing Soneja et al. 2016 and Jiang et al. 2015; GCRP 2016). In general, heavy rainfall, flooding, and high temperatures are associated with higher rates of diarrheal disease (GCRP 2018a). Rising water temperatures could also increase the growth and abundance of pathogens in coastal environments that cause illnesses and deaths from both water contact and ingestion of raw or undercooked seafood. Changes in ocean pH may also increase virulent strains of pathogens prevalent in seafood, particularly because acidification can increase the proliferation of microbes that affect shellfish, whose immune responses and shells are weakened, making them more susceptible to infection (National Institutes of Health [NIH] 2010). Higher temperatures are expected to increase Vibrio, a temperature-sensitive and dangerous marine pathogen (GCRP 2018a; Muhling et al. 2017). Climatechange-induced drought may increase the spread of pests and mold that can produce toxins dangerous to consumers (IPCC 2022a; NIH 2010 citing Gregory et al. 2009). Similar to other climate change health impacts, children and the elderly are most vulnerable to serious health consequences from water- and food-borne diseases that could be affected by climate change (GCRP 2018a; IPCC 2022a).

Vector-Borne Diseases

Climate change, particularly changes in temperatures, could change the range, abundance, and disease-carrying ability of disease vectors such as mosquitoes or ticks (GCRP 2016, 2018a; EPA 2021d; IPCC 2022a; Bouchard et al. 2019). This, in turn, could affect the prevalence and geographic distribution of diseases such as Rocky Mountain spotted fever, plague, tularemia, malaria, dengue fever, chikungunya virus, Lyme disease, West Nile virus, and Zika virus in human populations (Watts et al. 2017; GCRP 2018a citing Centers for Disease Control and Prevention [CDC] 2017a, CDC 2017b, Klempa 2009, Erickson et al. 2012, Brown et al. 2013, Roach et al. 2017, Beard et al. 2016, and Washington State Department of Health 2018). Some of these changes are already occurring, although the interactions between climate changes and actual disease incidence are complex and multifaceted (Altizer et al. 2013; Deichstetter 2017).

Mental Health

Climate change can influence mental health. People can experience adverse mental health outcomes and social impacts from the threat of climate change, the perceived direct experience of climate change, and changes to the local environment (EPA 2021d). Climate change is associated with mental health consequences ranging from stress to clinical disorders such as anxiety, depression, post-traumatic stress disorder, and thoughts and acts of suicide (GCRP 2018a; Burke et al. 2018; Khafaie et al. 2019). Extreme

weather conditions can increase stress population-wide, which can exacerbate preexisting mental health problems and even cause such conditions (EPA 2021d; IPCC 2022a citing Berry et al. 2010, Cianconi et al. 2020, Clayton et al. 2017, Ruszkiewicz et al. 2019, and Bromet et al. 2017). For example, individuals experiencing loss due to flood, wildfires, extreme storms report high levels of depression, anxiety, and post-traumatic stress disorder, which could persist for years after the event (GCRP 2018a; Belova et al. 2022). Children, the elderly, women, people with preexisting mental illness, the economically disadvantaged, Indigenous communities, people experiencing homelessness, and first responders are at higher risk for distress and adverse mental health consequences from exposure to climate-related disasters (GCRP 2018a; EPA 2021d; GCRP 2016 citing Osofsky et al. 2011 and Schulte et al. 2016). Recent research estimates that an increase of 1 to 6°C (1.8 to 10.8°F) of warming of mean U.S. average temperatures could increase the annual U.S. suicide rate by 0.7 to 4.1 percent (Belova et al. 2022).

Environmentally motivated migration and displacement may lead to disruption of social ties and community bonds, which may negatively affect mental health, for both those displaced and those who stay behind (Torres and Casey 2017; IPCC 2022a). Stress, induced by climate change or other factors, can also result in pregnancy-related problems such as preterm birth, low birth weight, and maternal complications (Harville et al. 2009; GCRP 2018a citing Dodgen et al. 2016, Gamble et al. 2016, Sarofim et al. 2016, Ngo and Horton 2016, and Ha et al. 2017; GCRP 2016 citing Sheffield and Landrigan 2011; Rylander et al. 2013). Heat can also affect mental health and has been known to increase aggressive behaviors, in addition to increasing suicide rates, dementia, and problems for patients with schizophrenia and depression (GCRP 2018a; EPA 2021d; GCRP 2016 citing Ruuhela et al. 2009, Dixon et al. 2007, Qi et al. 2009, and Preti et al. 2007).

Transportation-Safety Impacts

Climate change can also indirectly affect health by damaging or disrupting essential infrastructure and services, such as transportation. Increasing temperatures and extreme events are already adversely affecting transportation assets across all modes and will continue to do so under future climate change (GCRP 2018a). For instance, high temperatures and heatwaves can threaten the health of roadworkers and consequently reduce construction hours and productivity (GCRP 2018a). Additionally, extreme heat can increase the risk of road accidents due to overheating of vehicles, tire shredding, and road buckling (GCRP 2018a). Extreme precipitation and flooding in both coastal and inland regions are progressively reducing the functionality of roads, bridges, and railways, causing congestion, damaging infrastructure, and increasing accident risk (GCRP 2018a). Extreme events can disrupt access to essential services and health care by causing longer response times for first responders and emergency workers (GCRP 2018a). Transportation safety impacts will disproportionally affect vulnerable populations, especially those in more remote areas who rely heavily on public transportation. Insufficient access to reliable and safe transportation can adversely affect both mobility and economic vitality, which can cause stress and mental health impacts (GCRP 2018a).

Other Human Health Impacts

Climate change alters temperature, precipitation, and cloud cover, which can affect sun exposure behavior and may change the risk of ultraviolet (UV) ray-related health outcomes such as melanoma cases in outdoor workers (IPCC 2022a citing Modenese et al. 2018).

Contamination of drinking water caused by incidences of wildfires, droughts, and heavy rain can contribute to elevated levels of heavy metals (lead, mercury, cadmium, and chromium), pesticides, and

pharmaceuticals, which can increase human exposure to toxic compounds (IPCC 2022a). Increase in heavy rainfall and flooding can enhance runoff and increase the leaching of heavy metals into water systems, especially when sewage treatments plants are overwhelmed by runoff (IPCC 2022a). Ocean warming can facilitate the formation of methylmercury, the subsequent uptake of which by fish and marine food sources can affect the health of populations consuming them (IPCC 2022a). Studies have also shown that the combined impacts of climate change and arsenic in paddy fields can increase arsenic content in rice (IPCC 2022a citing Muehe et al. 2019).

Research is emerging on the role of climate change in increasing risks of pandemics like COVID-19. Shifts in wildlife range, human exploitation of wildlife, and loss of wildlife habitat quality have increased the opportunity for pathogens to spread from wildlife to human populations; climate change has contributed to this increased risk by driving animal and human migrations (IPCC 2022a).

Adaptation

Many observed and projected risks for human health can be reduced or potentially avoided through timely, proactive and effective adaptation (*high confidence*) (IPCC 2022a). Current adaptation measures in the health sector have mostly been incremental;⁶⁷ for example, focusing on improvements to basic public health and health care services, such as vaccination programs and post-disaster initiatives (IPCC 2022a). However, incremental changes to policies and strategies have proven largely insufficient to reduce health risks from climate change. As risks to human health continue to increase under future warming, transformational adaptation aimed at building climate-resilient and environmentally sustainable health systems will become increasingly necessary (IPCC 2022a).

The public health community has identified several potential adaptation strategies to reduce the risks to human health from climate change. In the United States, the CDC has established the Building Resilience against Climate Effects Framework, which can help health officials assess how climate impacts could affect disease burdens and develop a Climate and Health Adaptation Plan (CDC 2022). The framework aligns with the Climate-Ready States and Cities Initiative, which provides grants and technical assistance to state and local health departments to prepare for and respond to health risks from climate change. The program provides resources for states, cities, and municipalities to develop their own climate and health adaptation plans, including concept documents, toolkits, webinars, and data resources (CDC 2022).

At the state level, governments can conduct vulnerability and adaptation assessments, develop emergency response plans for climate events, develop climate-proof health care infrastructure, and integrate surveillance systems for infectious disease (IPCC 2018).

In terms of specific adaptation measures, early warning programs can be cost-effective ways to reduce human health impacts from extreme weather events (GCRP 2018a citing Lowe et al. 2016, Semenza 2015, and Worrall et al. 2008). Heatwave early-warning systems can also be used to reduce injuries, morbidity, and mortality due to heatwaves (IPCC 2018, 2022a). A local adaptation strategy may include opening a community cooling center during heatwaves to accommodate vulnerable and at-risk populations (Nayak et al. 2017). In the long term, strategies to reduce the urban heat island effect such

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⁶⁷ IPCC defines *incremental adaptation* as measures that maintain the essence and integrity of a system or process at a given scale. Incremental adaptations are understood as extensions of actions and behaviors that already reduce the losses or enhance the benefits of natural variations in extreme weather or climate events. On the other hand, transformational adaptation is understood to change the fundamental attributes of a socio-ecological system in anticipation of climate change and its impacts (IPCC 2022a).

as cool roofs and increased green space can reduce health risks from extreme heat (GCRP 2018a citing Gronlund et al. 2015 and Klein Rosenthal et al. 2014; Boumans et al. 2014; McDonald et al. 2016). GHG reduction policies can also create co-benefits for air pollution by reducing pollutants, such as PM, SO₂, nitrogen dioxide, and other harmful pollutants (IPCC 2018). Thus, mitigation strategies can have health benefits by improving air quality and promoting active transportation, which can reduce rates of obesity, diabetes, and heart disease (GCRP 2018a citing Panno et al. 2017, Maizlish et al. 2013, and Haines et al. 2009).

E.5.2.8 Human Security

This section provides an overview of the recent findings regarding observed and projected impacts of climate change on human security in the United States and globally. IPCC defines human security in the context of climate change as "a condition that exists when the vital core of human lives is protected, and when people have the freedom and capacity to live with dignity" (IPCC 2022a). As there are multiple drivers of human security, it can be difficult to establish direct causation between climate change and impacts on human security. Rather than directly causing conflict, climate stress could drive changes in commodity prices or food and water insecurity, which are drivers of conflict (GCRP 2018a). Overall, the research literature finds that climate change has negative impacts on various dimensions of human security, including livelihoods, food, water, cultures, migration, and conflict. However, some dimensions of human security are driven more by economic and social forces rather than by climate change (IPCC 2022a). According to the U.S. Department of Defense (DOD), climate change may have far-reaching impacts on existing problems, such as poverty, social tensions, environmental degradation, ineffectual leadership, and weak political institutions, both nationally and internationally (DOD 2015, 2021). 68

Observed and Projected Climate Impacts

Human security includes access to food, clean water, shelter, and employment, as well as avoidance of direct risks to health. Climate change poses significant risks to all of these aspects and can thereby threaten the human security of individuals or communities (IPCC 2022a). Even with an increase of approximately 1.5°C (2.7°F) by 2030, climate change will be a *poverty multiplier* that increases levels of poverty and the number of people living in poverty (IPCC 2018 citing Hallegatte et al. 2016 and Hallegatte and Rozenberg 2017). In particular, climate change will affect those whose livelihoods depend on natural resources (Brzoska and Frohlich 2015; Reyer et al. 2017). There are well-documented impacts of climate variability and change on agricultural productivity and food insecurity, water stress and scarcity, and destruction of property and residence (IPCC 2022a). Populations that are most at risk of food insecurity include the urban poor and the rural and Indigenous communities whose livelihoods are highly dependent upon natural resources (IPCC 2022a citing Martin Shields and Stojetz 2019 and FAO et al. 2018; GCRP 2018a).

Around the world, it is increasingly challenging for Indigenous communities to maintain cultures, livelihoods, and traditional food sources in the face of climate change (IPCC 2022a citing Jaakkola et al. 2018, Nilsson et al. 2011, Furberg et al. 2011, Amstislavski et al. 2013, Zavaleta et al. 2018, Akande et al. 2021, Bogdanova et al. 2021, and Bryson et al. 2021). The impacts of climate change are expected to be more significant both in places where Indigenous people live and on traditional ecological knowledge (IPCC 2018 citing Olsson et al. 2014). Many studies indicate that further significant changes in the

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⁶⁸ Sources cited throughout this section may use other terms that fall within the concept of *human security* (e.g., economic and livelihood security, national security, food security). For simplicity, *human security* is used in throughout this section.

natural resource base would negatively affect Indigenous cultures, particularly if people are confined to particular territories created by treaties; if natural resources are lost within that territory, that is a permanent loss to the tribe and its culture (IPCC 2022a; GCRP 2018a). For example, climate change is causing changes in the range and abundance of culturally important plant and animal species, reducing the availability of and access to traditional foods, and increasing damage to tribal homes and cultural sites (GCRP 2018a citing Hambrecht and Rockman 2017). Ultimately, this could make life on ancestral lands untenable (IPCC 2018). Climate change can also cause loss of land and displacement, such as in small island nations or coastal communities, which have well-documented negative cultural and well-being impacts (IPCC 2022a).

Studies show that when planned resettlement and relocation initiatives are implemented without adequate participation of those affected, relocated communities can experience significant financial and emotional distress due to disruptions to cultural and spiritual bonds to place and livelihoods (IPCC 2022a citing Neef et al. 2018, Bertana 2020, McMichael and Katonivualiku 2020, and McMichael et al. 2021). Lack of involvement in formal government decision-making over resources also decreases the resilience of Indigenous peoples and their cultures to climate change impacts (GCRP 2018a; IPCC 2022a citing Frye and Parker 2016, Anderson and Leonard 2016, Frye 2012, Singletary et al. 2016, Shoemaker 2015, and Miller 2016).

Climate change is expected to increase internal migration and displacement, in part due to extreme events or long-term environmental changes (IPCC 2022a citing Thomas et al. 2020 and van der Geest et al. 2020). However, the causation and extent of this risk is hard to determine due to the complexity of migration decisions (IPCC 2022a). An increase in the incidence or severity of extreme events due to climate change will directly increase the risks of displacement and amplify its impacts on human security (IPCC 2022a). Projections indicate that 4.2 million Americans could be at risk with 3 feet of sea-level rise, and 13.1 million people with 6 feet of sea-level rise, which could drive mass migration and societal disruption (Hauer 2017; Hauer et al. 2016). In the past, major extreme weather events have led to significant population displacement (IPCC 2022a). For example, after Hurricane Katrina, refugees from coastal areas spread to all 50 states, which resulted in economic and social costs around the country (GCRP 2018a).

Following rapid-onset events such as floods or storms, such displacement is usually short-term (Brzoska and Frohlich 2015). Voluntary migration often emerges as an alternative when other forms of adaptation are insufficient, and while temporary (or seasonal) migration is frequently used as a risk reduction strategy by rural households to cope with climate variability, permanent migration is less common, especially when the whole household relocates (IPCC 2022a citing Afifi et al. 2016, Call et al. 2017, Piguet et al. 2018, Borderon et al. 2019, Cattaneo et al. 2019, Hoffmann et al. 2020, Lopez-i-Gelats et al. 2015, Lu et al. 2016, and Kaczan and Orgill-Meyer 2020).

Climate-driven migration outside of the United States could have implications for human security, either due to immigrants to the United States or instability abroad. For example, there could be significant population displacement in the tropics due to warming. Tropical populations may have to move more than 1,000 kilometers by the end of the century, which could lead to a concentration of displaced persons on the margins, contributing to higher population densities in destination areas (IPCC 2018 citing Hsiang and Sobel 2016). Some of these refugees could come to the United States. For example, the United States granted Temporary Protected Status to 57,000 Honduran and 2,550 Nicaraguan nationals after Hurricane Mitch (GCRP 2018a).

Long-term changes in climate conditions, such as droughts or land degradation, have greater potential to result in permanent migration (Brzoska and Frohlich 2015). For example, higher temperatures have contributed to outmigration in 163 countries, specifically for those dependent on agriculture (IPCC 2018 citing Cai et al. 2016). According to the International Migration Database of the OECD, a 1°C (1.8°F) increase in temperature contributed to a 1.9 percent increase in migration flows from 142 countries moving to 19 receiving countries, and an additional increase in precipitation of 1 millimeter could increase migration by 0.5 percent (IPCC 2018 citing Backhaus et al. 2015).

Climate-change-induced mass migration threatens to adversely affect the humanitarian assistance requirements of the U.S. military, as well as strain its ability to respond to conflict (DOD 2015; NRC 2011b). Displacement affects human security by affecting housing, health, and economic outcomes (IPCC 2022a). A large influx of migrants can result in conflict and violence, especially if the refugees differ from the native population in ethnicity, nationality, and/or religion; have had previous conflicts with the receiving area; or want to settle long term (Brzoska and Frohlich 2015). In other cases, migration to more prosperous and resource-rich areas can dissolve conflicts (Brzoska and Frohlich 2015).

Conversely, extreme events can sometimes be associated with immobility, which—if involuntary—reflects inability, lack of agency and resource limitations, but can also be a deliberate choice by people to maintain livelihoods or due to social and cultural attachments to native places. Involuntary mobility can exacerbate inequality and increase future vulnerability of households to climate change impacts (IPCC 2022a). Involuntary displacement and migration that occurs among migrants who have low agency is often associated with poor outcomes for health, well-being, and socioeconomic security of migrants and fewer benefits to sending and receiving communities (high confidence) (IPCC 2022a).

The association between short-term warming and deviations in rainfall (including floods and droughts) with armed conflict is contested, with some studies finding a relationship while others find no relationship (IPCC 2022a citing Mach et al. 2019; Schleussner et al. 2016; Buhaug et al. 2015). Most studies find that climate change impacts on armed conflict are negligible in situations where other risk factors are extremely low, such as where per capita incomes are high or governance is effective and stable (IPCC 2022a). Many studies, however, argue that reduced availability and changes in the distribution of water, food, and arable land from a changing climate are factors prone to triggering violent conflicts (Brzoska and Frohlich 2015 citing Hsiang et al. 2013). Overall, compared to other socioeconomic factors, the influence of climate on conflicts is understood to be relatively weak (*high confidence*), and there is insufficient evidence at present to attribute armed conflict to anthropogenic climate change (IPCC 2022a). Some studies suggest a greater role for climate in influencing the dynamics of conflict than on being an initial trigger for conflict outbreak (IPCC 2022a).

The potential impacts of climate change on accelerating instability in volatile regions of the world have profound implications for national security of the United States. The DOD 2014 Quadrennial Defense Review indicates that the projected effects of climate change "... are threat multipliers that will aggravate stressors abroad such as poverty, environmental degradation, political instability, and social tensions—conditions that can enable terrorist activity and other forms of violence" (DOD 2015). For example, drought may increase the likelihood of sustained conflict, particularly for groups dependent on agricultural livelihoods, which are more vulnerable to climate change (IPCC 2018). With a 1°C (1.8°F) increase in temperature or a greater intensity of extreme rainfall events, intergroup conflicts could increase in frequency by 14 percent (IPCC 2018 citing Hsiang et al. 2013).

Climate change can compromise state integrity by affecting critical infrastructure, threatening territorial integrity, and increasing geopolitical rivalry (IPCC 2022a). Climate change impacts on critical

infrastructure will reduce the ability of countries to provide the economic and social services that are important to human security (IPCC 2022a citing Neumann and Hermans 2015, McLeman 2017, Barnett and McMichael 2018, Cattaneo et al. 2019, and Hoffmann et al. 2020). For example, extreme heat, storms and floods, and sea-level rise could directly affect military assets, such as roads, airport runways, and coastal infrastructure; disrupt supply chains; endanger personnel; inhibit training; and increase operating costs (GCRP 2018a). In addition, climate change can also affect military logistics, energy, water, and transportation systems, compromising the ability of the U.S. military to conduct its missions (NRC 2011b, 2013b; CNA Corporation 2014). Power outages and fuel shortages could affect the energy system, which could have cascading impacts on critical sectors that support the economy and national security (GCRP 2018a). Furthermore, the U.S. military could become overextended as it responds to extreme weather events and natural disasters at home and abroad, along with current or future national security threats (NRC 2011b; CNA Corporation 2014).

Sea-level rise, storm surge, and coastal erosion can threaten the territorial integrity of small island nations or countries with significant areas of soft low-lying coasts (IPCC 2022a). These changes can also have negative implications for navigation safety, port facilities, and coastal military bases (DOD 2015). Open access to resources and new shipping routes due to significant reductions in Arctic sea ice coverage could increase security concerns because of territorial and maritime disputes, if equitable arrangements between countries cannot be agreed to (IPCC 2022a; DOD 2015). A variety of maritime boundary disputes in the Arctic could be exacerbated by the increased accessibility of the region due to warmer temperatures (IPCC 2022a citing Drewniak et al. 2018; Smith and Stephenson 2013 citing Brigham 2011 and Elliot-Meisel 2009). Furthermore, nations bordering the Arctic maintain unresolved sea and economic zone disputes (Smith and Stephenson 2013 citing Liu and Kronbak 2010 and Gerhardt et al. 2010; NRC 2011b). Other transboundary impacts of climate change such as changing shared water resources and adverse impacts on food security can increase geopolitical rivalry between countries (IPCC 2022a). Additionally, climate change could increase tension and instability over energy supplies (CNA Corporation 2014).

Adaptation

Adaptation strategies can reduce vulnerability and thereby increase human security. Examples of adaptation measures to improve livelihoods and well-being include diversification of income-generating activities in agricultural and fishing systems, development of insurance systems, and provision of education for women. Integration of local and traditional knowledge is found to increase the effectiveness of adaptation strategies. Improvements in Indigenous peoples' entitlements and rights, as well as engagement of Indigenous peoples in decision-making, increase their social and cultural resilience to climate change (IPCC 2022a citing Nursey-Bray et al. 2020). There is not enough evidence on the effectiveness of migration and resettlement as adaptation. Poorly designed adaptation strategies can increase the risk of conflict and amplify vulnerabilities in certain populations if they exacerbate existing inequalities or grievances over resources (IPCC 2022a).

Local and traditional knowledge is a valuable source of information for adapting to climate change (IPCC 2022a; GCRP 2018). There is high agreement in the literature that the integration of local and traditional and scientific knowledge increases adaptive capacity (IPCC 2022a). Moreover, traditional knowledge helps create resilient food systems, and bolster health and well-being more generally (IPCC 2022a citing High Level Panel of Experts 2020, Bezner Kerr et al. 2021, International Panel of Experts on Sustainable Food Systems 2020, and Bourke et al. 2018). While being an important resource for adaptation, traditional knowledge alone may be insufficient to respond to rapidly changing ecological

conditions or unexpected or infrequent risks as the ability of Indigenous peoples to anticipate and respond to climate change is significantly affected by a host of economic, social, political, and legal factors that may constrain their abilities to cope and respond (GCRP 2018a). Limited access to traditional territory and resources, and limitations of current policies and funding mechanisms in considering unique circumstances of Indigenous communities pose barriers to effective adaptation (GCRP 2018a). For example, case studies from Africa indicate that opportunities for Indigenous people to apply traditional drought mitigation strategies through migration have been limited by factors such as competing land use, policies around environmental protection, and limited mobility posed by national borders (IPCC 2022a citing Mamo 2020). While adaptation is possible to avoid some losses of cultural assets and expressions, cultural integrity will still be compromised if climate change erodes livelihoods, sense of place, and traditional practices, undermining some of the benefits of the adaptation strategy (GCRP 2018a; IPCC 2022a).

E.5.2.9 Stratospheric Ozone

This section presents a review of stratospheric ozone and describes how CO_2 and climate change are projected to affect stratospheric ozone concentrations. Ozone is a molecule consisting of three oxygen atoms. Ozone near Earth's surface is considered an air pollutant that causes respiratory problems in humans and adversely affects crop production and forest growth (Salawitch et al. 2019). Conversely, ozone in Earth's stratosphere acts as a shield to block UV rays from reaching Earth's surface (Salawitch et al. 2019; Ravishankara et al. 2008). This part of the atmosphere is referred to as the *ozone layer*, and it provides some protection to humans and other organisms from exposure to biologically damaging UV rays that can cause skin cancer and other adverse impacts for humans and other organisms (Salawitch et al. 2019; Fahey et al. 2008; Figure E.5.2-1). The ozone layer occupies the lower part of the stratosphere, which begins approximately 6 to 10 miles above Earth's surface and extends up to about 30 miles above the Earth's surface, although this changes with latitude and time of year (NOAA 2008a).

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⁶⁹ These height measurements defining the bottom and top of the stratosphere vary depending on location and time of year. Different studies might provide similar but not identical heights. The heights indicated for the stratosphere and the layers within the stratosphere are provided in this section as defined by each study.

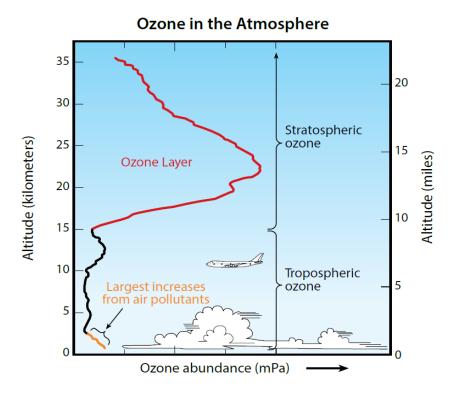


Figure E.5.2-1. The Three Lowest Layers in Earth's Atmosphere and the Location of the Ozone Layer

Source: Hegglin et al. 2015 mPa: microPascal

Ozone in the stratosphere is created when a diatomic oxygen molecule absorbs UV rays at wavelengths less than 240 nanometers, causing the molecule to dissociate into two very reactive free radicals that then each combine with an available diatomic oxygen molecule to create ozone (Salawitch et al. 2019). Through this process, heat is released, warming the surrounding environment. Once ozone is formed, it absorbs incoming UV rays with wavelengths from 220 to 330 nanometers (Salawitch et al. 2019). The concentration of ozone in the stratosphere is affected by many factors, including concentrations of ozone-depleting substances and other trace gases, atmospheric temperatures, transport of gases between the troposphere and the stratosphere, and transport within the stratosphere. Specifically, ozone is depleted in reactions that involve halogens, such as chlorine and bromine, which result from the decomposition of some halocarbons (Salawitch et al. 2019; GCRP 2017 citing World Meteorological Organization [WMO] 2014). Alterations to the carbon cycle, including climate-driven ecosystem changes, influence atmospheric concentrations of CO₂ and CH₄. In turn, atmospheric aerosols affect clouds and precipitation rates, which change the removal rates, lifetimes, and abundance of the aerosols themselves (GCRP 2017 citing Nowack et al. 2015). Also, stratospheric ozone abundance can be affected by climate-driven circulation changes and longwave radiation feedbacks (GCRP 2017 citing Nowack et al. 2015).

IPCC reports it is *very likely* and *extremely likely* that anthropogenic contributions, particularly to GHGs and stratospheric ozone depletion, have led to the detectable tropospheric warming and related cooling in the lower stratosphere since 1979, respectively (IPCC 2021b). Satellite and ground observations demonstrated clearly that stratospheric ozone was decreasing in the 1980s. Global annual mean total ozone declined by about 3.5 percent during the 1980s and early 1990s, compared to the pre-ozone

depletion 1964 to 1980 average (IPCC 2021a). There is an international consensus that human-made ozone-depleting substances (e.g., gases emitted by air conditioners and aerosol sprays) are responsible (IPCC 2021a), which has prompted the establishment of international agreements to reduce the consumption and emissions of these substances (Salawitch et al. 2019; Langematz 2019). In response to these efforts, the rate of stratospheric ozone reduction has slowed. Although there are elements of uncertainty, total column stratospheric ozone concentrations outside of polar regions are projected to recover to pre-1980 levels around 2040 (Salawitch et al. 2019; WMO 2022).

Stratospheric ozone levels influence the surface climate in both the Northern and Southern Hemispheres. In the Northern Hemisphere, stratospheric ozone extremes over the Arctic contribute to spring surface temperatures, particularly linking low Arctic ozone in March with colder polar vortex and circulation anomalies (Ivy et al. 2017). March stratospheric ozone can be used as an indicator of spring climate in certain regions (Ivy et al. 2017). In the Southern Hemisphere, comparison of the 1979 to 2010 climate trends shows that stratospheric ozone depletion drives climate change (Li et al. 2016). Interactive chemistry causes cooling in the Antarctic lower stratosphere and acceleration of the circumpolar westerly winds (Li et al. 2016; IPCC 2021a). In turn, this affects overturning circulation in the Southern Ocean, leading to stronger ocean warming near the surface and increased ice melt around the Antarctic (Li et al. 2016).

Changes in stratospheric ozone influence the climate by affecting the atmosphere's temperature structure and circulation patterns (Salawitch et al. 2019; Ravishankara et al. 2008; IPCC 2021a). Conversely, climate change could aid in the recovery of stratospheric ozone. Although GHGs, including CO₂, warm the troposphere (the lower layer of the atmosphere), this process cools the stratosphere (IPCC 2021a). Consequently, it slows the chemical reactions between stratospheric ozone and ozone-depleting substances, assisting in ozone recovery. Climate change could enhance atmospheric circulation patterns that affect stratospheric ozone concentrations, assisting in ozone recovery in the extra-tropics. However, for polar regions, cooling temperatures can increase winter polar stratospheric clouds, which are responsible for accelerated ozone depletion. Large ozone depletions continue to appear in spring, such as over Antarctica (also known as the ozone hole), and in the Arctic in particularly cold years (IPCC 2021a). In summary, reduced stratospheric ozone may contribute to climate change, while climate change has been projected to have a direct impact on stratospheric ozone recovery, although there are large elements of uncertainty in these projections.

Human-Made Ozone-Depleting Substances and Other Trace Gases

Until the mid-1990s, stratospheric ozone concentrations had been declining in response to increasing concentrations of human-made ozone-depleting substances (IPCC 2022a; WMO 2022). Since the year 2000, ozone has been slowly increasing in the upper stratosphere (Steinbrecht et al. 2017). Examples of ozone-depleting substances include CFCs and compounds containing chlorine and bromine (WMO 2022; IPCC 2022a; Ravishankara et al. 2008; Fahey and Hegglin 2011). These ozone-depleting substances are chemically inert near Earth's surface but decompose into very reactive species when exposed to UV radiation in the stratosphere.

In 1987, an international agreement, the Montreal Protocol on Substances that Deplete the Ozone Layer, was established to reduce the consumption and production of human-made ozone-depleting

substances to protect and heal the ozone layer and rebuild the ozone hole.⁷⁰ Subsequent agreements have followed that incorporate more stringent reductions of ozone-depleting substances and expand the scope to include additional chemical species that attack ozone. Some ozone-depleting substances such as CFCs are potent GHGs; therefore, reducing the emissions of these gases also reduces radiative forcing and hence reduces the heating of the atmosphere. However, HFCs were not included in the Montreal Protocol. While atmospheric abundance of CFCs has been decreasing in response to the mandates of the Montreal Protocol, HCFCs, which are replacements for CFCs and HFCs (which are replacements for HCFCs) have been found to be increasing (IPCC 2021a). HFCs contribute to anthropogenic climate change, and global mean abundance of major HFCs has increased since 2016 (WMO 2022). In 2016, the Kigali Amendment to the Montreal Protocol introduced a treaty on managing and phasing out HFCs (Hurwitz et al. 2016).

Increases in the emissions of other trace gases (e.g., CH_4 , N_2O) and CO_2 also affect stratospheric ozone concentrations (WMO 2018, 2022). When CH_4 is oxidized by hydroxyl radicals in the stratosphere, it produces water and the methyl radical. Increases in stratospheric water lead to an increase in reactive molecules that assist in the reduction of ozone and an increase in polar stratospheric clouds that accelerate ozone depletion. Increases in N_2O emissions cause a reduction of ozone in the upper stratosphere as N_2O breaks down into reactive ozone-depleting species (WMO 2022).

Changes in Atmospheric Temperature

Since the observational record began in the 1960s, global stratospheric temperatures have been decreasing in response to ozone depletion, increased tropospheric CO₂, and changes in water vapor (WMO 2022; IPCC 2021a; Fahey et al. 2008). Natural concentrations of GHGs increase the warming in the troposphere by absorbing outgoing infrared radiation; increasing GHG concentrations in the troposphere traps more heat in the troposphere, which translates to less incoming heat into the stratosphere. In essence, as GHGs increase, the stratosphere is projected to cool. However, model simulations suggest reductions in ozone in the lower to middle stratosphere (13 to 24 miles) create a larger decrease in temperatures compared to the influence of GHGs (WMO 2022; IPCC 2021a; Fahey et al. 2008 citing Ramaswamy and Schwarzkopf 2002). In the upper stratosphere, both the reductions of ozone and the impact of GHGs can contribute significantly to stratospheric temperature decreases (IPCC 2021a). It is estimated that anthropogenic forcings has caused a cooling of approximately 2 to 3°C (3.6 to 5.4°F) in the upper stratosphere between 1979 and 2015 (IPCC 2021a).

The cooling temperatures in the stratosphere could slow the loss of ozone (WMO 2018; Reader et al. 2013) because the dominant reactions responsible for ozone loss slow as temperatures cool. For example, ozone in the upper stratosphere is projected to increase by 15 to 20 percent under a doubled CO_2 environment, and by 30 to 40 percent under a quadrupled CO_2 environment (Fahey et al. 2008 citing Jonsson et al. 2004; Chiodo et al. 2019). In the lower stratosphere, where day-night energy transport plays an important role both within the stratosphere and between the troposphere and stratosphere, cooling temperatures have less influence on ozone concentrations (except in the polar regions). Since 1993, ozone in the lower stratosphere above the Arctic has been greatly affected by cooling temperatures, as cooling has led to an increase in polar stratospheric clouds (WMO 2022; Fahey et al. 2008). Polar stratospheric clouds play a significant role in reducing ozone concentrations. Ozone

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⁷⁰ Significant thinning in the ozone layer has been observed above the Antarctic since the spring of 1985, to such a degree it is termed the *ozone hole* (WMO 2018; Ravishankara et al. 2008). This location is particularly susceptible to ozone loss due to a combination of atmospheric circulation patterns and the buildup of ozone-depletion precursors during the dark winter months from June to September.

in the lower stratosphere above the Antarctic does not demonstrate such a significant response to cooling temperatures because this region already experiences temperatures cold enough to produce these clouds.

Circulation and Transport Patterns

The large-scale Brewer-Dobson circulation represents the transport between the troposphere and stratosphere: an upward flux of air from the troposphere to the stratosphere occurs in the tropics balanced by a downward flux of air in the extratropics (i.e., the middle latitudes that extend beyond the tropics). This circulation carries stratospheric ozone from the tropics poleward (IPCC 2021a). It is suggested that the ozone in the lower stratosphere has experienced an acceleration in this transport over the past century, particularly in the Northern Hemisphere—potentially explaining the larger increase in total atmospheric ozone per area (i.e., column ozone) observed in the Northern Hemisphere compared to the Southern Hemisphere (Reader et al. 2013). According to many chemistry-climate models and observational evidence, climate change is thought to accelerate the Brewer-Dobson circulation (IPCC 2021a), extending the decline of ozone levels in the tropical lower stratosphere through the 21st century (WMO 2022).

Models suggest that the reduction of ozone above Antarctica is responsible for strengthening the circulation of stratospheric circumpolar winds of the wintertime vortex (i.e., the establishment of the vortex leads to significant ozone loss in late winter/early spring) (Fahey et al. 2008 citing Gillet and Thompson 2003 and Thompson and Solomon 2002).⁷¹ Observations have shown that these winds can extend through the troposphere to the surface, leading to cooling over most of Antarctica. These studies suggest changes in stratospheric ozone can affect surface climate parameters.

Trends and Projections

Observations of global ozone concentrations in the upper stratosphere have shown a strong and statistically significant decline of approximately 6 to 8 percent per decade from 1979 to the mid-1990s (WMO 2018; Pawson and Steinbrecht 2014). Observations of global ozone within the lower stratosphere demonstrate a slightly smaller but statistically significant decline of approximately 4 to 5 percent per decade from 1979 to the mid-1990s (WMO 2018). An updated study from 2000 to 2020 found that ozone outside of the polar regions increased in the upper stratosphere by about 1.1 to 1.6 percent per decade in the tropics and by 1.5 to 2.2 percent per decade in the mid latitudes (35 to 60 degrees) (WMO 2022). Models attribute about half of the observed upper stratospheric ozone increase after the year 2000 to the decline in ozone-depleting substances, and the other half to cooling of upper stratosphere that slows down ozone destruction cycles (IPCC 2022a). From 2000 to 2020 in the lower stratosphere, there is model- and observation-based evidence indicating a small decrease of about 1 to 2 percent per decade (WMO 2022); this deviates from previous studies that indicated no statistically significant change in the lower stratosphere for these years (Steinbrecht et al. 2017). Radiative forcing from stratospheric ozone changes over 1850 to 2011 is estimated to cause a slight radiative cooling of -0.02 W/m², with an uncertainty of ± 0.13 W/m² (WMO 2022).

⁷¹ During the polar winter, a giant vortex with wind speeds exceeding 300 kilometers (186 miles) per hour can establish above the South Pole, acting like a barrier that accumulates ozone-depleting substances. In Antarctic springtime, temperatures begin to warm and the vortex dissipates. The ozone-depleting substances, now exposed to sunlight, release large amounts of reactive molecules that significantly reduce ozone concentrations (Fahey and Hegglin 2011).

Modeled projections for total column ozone (i.e., the total ozone within a column of air from Earth's surface to the top of the atmosphere) show that total column ozone returns to its 1980 value sooner for scenarios that assume larger emissions of GHGs than scenarios with smaller GHG emissions (WMO 2022). For middle-of-the-road scenario SSP2-4.5 the model ensemble suggests the northern midlatitudes (35 to 60 degrees north) total column ozone will recover to 1980 levels around 2035, and the southern mid-latitudes (60 to 35 degrees south) total column ozone will recover around 2045 (WMO 2022). Overall, the recovery of near global mean ozone column to 1980 levels in the mid-latitudes (60 degrees south to 60 degrees north) is projected to occur around 2040 (WMO 2022). The Arctic recovery time to 1980 conditions is estimated to be slightly before mid-century (around 2045), while the Antarctic will regain 1980 concentrations shortly after mid-century (around 2065) (WMO 2022). The recovery is linked to impacts of climate that affect total column ozone, including increased formation of ozone in the mid- to upper stratosphere in response to cooling temperatures, accelerated ground-level ozone formation in the troposphere as it warms, and an accelerated Brewer-Dobson circulation increase in ozone transport in the lower stratosphere from the tropics to the mid-latitudes (WMO 2022).

In another study, doubled CO_2 concentrations simulated by 14 climate-change models project a 2 percent increase per decade in the annual mean troposphere-to-stratosphere exchange rate. This acceleration could affect long-lived gases such as CFCs, CH_4 , and N_2O by reducing their lifetime and increasing their removal from the atmosphere. In addition, this could increase the vertical transport of ozone concentrations from the stratosphere to the troposphere over mid-latitude and polar regions (Fahey et al. 2008 citing Butchart and Scaife 2001).

E.5.2.10 Compound Events

According to the IPCC, compound events consist of combinations of multiple drivers and hazards that contribute to societal or environmental risk (IPCC 2022a). While some compound events may involve individual components that cancel one another out, others may include components with additive or even multiplicative effects (GCRP 2017). Compound events can also have societal impacts even if they occur across separate regions; for example, droughts in multiple agricultural areas could have amplifying effects on food shortages (GCRP 2017).

The underlying probability of compound events occurring may increase because of climate change, as underlying climate variables shift (GCRP 2017). Examples of shifting underlying conditions that could contribute to compound event frequency or severity include higher temperatures (of both surface and sea), increased drought risk, increased overall precipitation, and changes to oceanic circulation patterns (Cook et al. 2015; GCRP 2017; Swain et al. 2016). Climate change could also facilitate the emergence of new types of compound events by combining previously unseen physical effects (GCRP 2017). An example of this is Hurricane Sandy, which was affected by sea-level rise, anomalously high temperatures, and a so-called "blocking ridge" around Greenland that steered the storm toward the mainland and may have been caused by reduced summer sea ice in the region (GCRP 2017).

The interconnectedness of the ocean and cryosphere can also lead to a type of compounding event called a cascade, where changes in one event trigger and increase the likelihood of secondary changes in different but connected elements of the system (IPCC 2022a citing IPCC 2019b). For example, enhanced melting and mass loss from ice sheets creates a huge flux of fresh water and iron to the ocean, which can, in turn, have dramatic effects on ocean productivity. Similarly, increasing ocean temperatures and sea level can affect ice shelf, ice sheet, and glacier stability because of the nonlinear response of ice melt, and calving, to ocean temperatures (IPCC 2022a). In this case, small increases in ocean

temperature have the potential to destabilize large sections of ice sheets and contribute to large sealevel rise changes (IPCC 2022a).

Compound events may also lead to limited recovery time that can have far reaching detrimental impacts for socio-ecological systems. For example, between 1998 and 2016, the Maldives Islands were affected by three major climate events, including the 1997–1998 ENSO event, the 2007 flood event, and the 2016 ENSO event (IPCC 2022a citing Morri et al. 2015). These successive events had cumulative devastating effects on the reef ecosystem and cascading effects on health and well-being, livelihoods, and the overall Maldives economy (IPCC 2022a).

The impact of climate change on the frequency and severity of compound events remains uncertain because many climate models only address certain aspects of the climate system and cannot forecast compound events that involve combined and complex events from different subsystems (GCRP 2017; AghaKouchak et al. 2014). This makes the risks posed by compound events undervalued in modeled estimates of future climate conditions (GCRP 2017; AghaKouchak et al. 2014 citing Gräler et al. 2013).

To the extent the Proposed Actions and alternatives would decrease the rate of CO_2 emissions relative to the No-Action Alternative, they would contribute to the general decreased risk of extreme compound events. While this rulemaking alone would not necessarily cause decreases in compound event frequency and severity from climate change, it would be one of many global actions that, together, could reduce these effects.

E.5.2.11 Tipping Points and Abrupt Climate Change

Tipping points refer to thresholds in Earth systems that could be triggered by continued increases in the atmospheric concentration of GHGs, incremental increases in temperature, or other relatively small or gradual changes related to climate change. Earth systems that contain a tipping point exhibit large or accelerating changes or transitions to a new physical state, which are significantly different from the rates of change or states that have been exhibited in the past, when the tipping point is crossed. A recent study suggests that passing some tipping points may increase the likelihood of occurrence of other tipping points (McKay et al. 2022; Cai et al. 2016). The following discussion provides examples of tipping points in Earth systems.

Climate feedbacks can also drive tipping points in the climate system. Positive climate feedbacks amplify the impacts of anthropogenic emissions. For example, CO₂ emissions increase atmospheric temperatures, which increase the likelihood of wildfires that, in turn, release more CO₂ into the atmosphere (Mansoor et al. 2022; Liu et al. 2014). Climate feedbacks are complex and not always incorporated into future climate models and could lead to tipping points being crossed earlier than anticipated.

Atlantic Meridional Overturning Circulation

AMOC is the northward flow of warm, salty water in the upper layers of the Atlantic Ocean coupled to the southward flow of colder water in the deep layers, which transports oceanic heat from low to high latitudes. If enough fresh water enters the North Atlantic (such as from melting sea ice or the Greenland ice sheet), the density-driven sinking of North Atlantic waters might be reduced or even stopped, as apparently occurred during the last glacial cycle (approximately 22,000 years ago) (IPCC 2021a; Katsman et al. 2018; Lenton et al. 2008 citing Stocker and Wright 1991). This is expected to reduce the northward flow of thermal energy in the Gulf Stream and result in less heat transport to the North

Atlantic. At the same time, reduced formation of very cold water may slow global ocean circulation, leading to impacts on global climate and ocean currents. A 2018 study indicates that these effects are underway, quantifying a 15 percent weakening since the mid-20th century and an overall weakening over the past 150 years (GCRP 2018a citing Caesar et al. 2018 and Thornalley et al. 2018).

IPCC reports it is *very likely* that the AMOC will weaken over the 21st century; further, it reports it is *likely* that there will be some decline in the AMOC by about 2050 regardless of the future GHG emissions trajectory, but the AMOC could also undergo fluctuations because of large natural internal variability (IPCC 2021a). IPCC also reports that it is *very unlikely* that the AMOC will experience an abrupt collapse before 2100 (*medium confidence*) (IPCC 2021a). Should an AMOC collapse occur, it is *very likely* to drive abrupt shifts in weather patterns and the water cycle, including a weakening of the African and Asian monsoons and strengthening of Southern Hemisphere monsoons (IPCC 2021a). There is *low confidence* in changes to the AMOC beyond the 21st century, but a large-scale collapse from large, sustained warming cannot be excluded (IPCC 2021a).

Greenland and West Antarctic Ice Sheets

The sustained mass loss by ice sheets would cause a significant increase in sea level, and some part of the mass loss might be irreversible (IPCC 2021a). For example, under 2°C (3.6°F), about one-third of the Antarctic ice sheet and three-fifths of the Greenland ice sheet would be lost (GCRP 2018a citing Clark et al. 2016). There is *medium confidence* that a warming in the range of 3 to 5°C (5.4 to 9°F) would result in the near complete and irreversible loss of the Greenland ice sheet and the West Antarctic ice sheet over the next millennium or more (IPCC 2021a). The temperature range of 1.5 to 2°C (2.7 to 3.6°F) presents a moderate risk of triggering marine ice sheet instability in Antarctica (IPCC 2021a).

Of particular concern is the potential for abrupt increases in sea-level rise from rapid destabilization and ice loss from marine-based glaciers grounded on bedrock below sea level. Marine-based glaciers are prone to unground, destabilize, and rapidly contribute to sea-level rise due to a combination of mechanisms including basal melting, retreat, and acceleration. Climate change may drive abrupt and irreversible ice loss through an instability of marine-based sectors of the West Antarctic ice sheet in the absence of ice shelf buttressing. Several studies suggest that recent observations of sustained mass loss from large glaciers in Antarctica are consistent with the onset of this instability (Wild et al. 2022; Joughin et al. 2014; Rignot et al. 2014; IPCC 2021a). Some studies demonstrate the potential irreversibility of marine-based ice sheet loss and the presence of thresholds beyond which ice loss becomes self-sustaining, whereas other studies note glacier stability can be regained if ice shelves provide buttressing (IPCC 2021a; Mengel and Levermann 2014). Overall, there remains medium agreement for anthropogenic forcing of observed Antarctic mass balance changes and deep uncertainty regarding processes that may contribute to large increases in Antarctic mass loss under high GHG emissions (IPCC 2021a). The likelihood of rapid destabilization of the Greenland ice sheet this century is low, because the ice sheet periphery is not predominantly marine-based and most areas of deep water contact between ice sheets and the ocean are limited to narrow troughs and fjord systems that constrict ice discharge into ocean basins (NRC 2013a).

Arctic Sea Ice

Since satellite observations of Arctic sea ice began in 1978, a significant decline in the extent of summer sea ice has been observed, with the record minimum extent—a decrease of more than 40 percent in September, i.e., the month when the minimum in the sea-ice extent typically occurs—recorded in 2012 (Figure E.5.2-2) (GCRP 2017; National Snow and Ice Data Center 2022a). IPCC (2021a) suggests that

anthropogenic influences have *very likely* contributed to these Arctic sea-ice losses since 1979, and that it is *very likely* that the Arctic sea-ice cover will continue to shrink and thin.

Rising temperatures are reducing ice volume and surface extent on land, lakes, and sea, with this loss of ice expected to continue. The Arctic Ocean is expected to become essentially ice free (i.e., where the ice extent is less than 1 million square kilometers) in September by the end of the 21st century under SSP2-4.5, SSP3-7.0, and SSP5-8.5 (IPCC 2021a). In the near term, it is *very likely* that September sea ice area minimums would continue to decrease (IPCC 2021a). The same projections also reveal decreasing March sea ice area maximums but to a lesser extent.

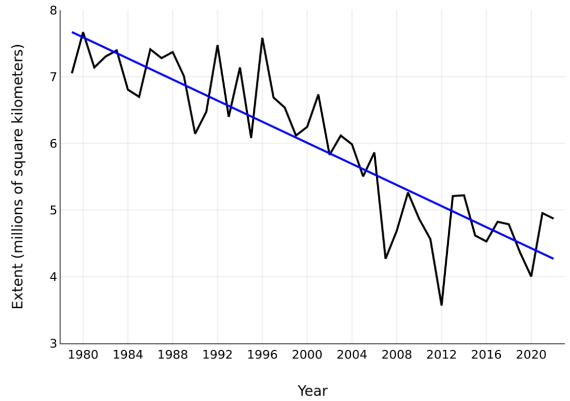


Figure E.5.2-2. Average Monthly Arctic Sea-Ice Extent (September 1979–2022)^a

Notes:

^a Ice extent for each September plotted as a time series based on the 1979 to 2022 data. The black line connects the ice extent data points and the trend line is plotted with a blue line.

Source: National Snow and Ice Data Center 2022b

Sea ice loss contributes to positive feedback by changing the albedo of the Arctic's surface, affecting formation of ice the next winter (Riihela et al. 2021; GCRP 2018a citing Abe et al. 2016, Pedersen et al. 2016, and Post et al. 2013). Larger areas of open water in the Arctic during the summer will affect the Arctic climate, ecosystems, and human activities in the Northern Hemisphere; these impacts on the Arctic could potentially be large and irreversible. Less summer ice could disrupt the marine food cycle, alter the habitat of certain marine mammals, and exacerbate coastline erosion. For instance, sea ice is the primary habitat for polar bears. Polar bear movements are closely tied to the seasonal dynamics of sea-ice extent, and the loss of sea-ice habitat due to climate change is a primary threat to polar bears (IPCC 2022a; Pagano and Williams 2021; U.S. Fish and Wildlife Service 2016). Reductions in summer sea ice will also increase the navigability of Arctic waters, opening opportunities for shipping and economic

activities, but also creating new political and legal challenges among circumpolar nations (IPCC 2022a; NRC 2013a).

Irreversibility of Anthropogenic Climate Change Resulting from Carbon Dioxide Emissions

A large fraction of anthropogenic climate change resulting from CO₂ emissions (e.g., global mean temperature increase, decrease in ocean pH) is irreversible on a multi-century to millennial time scale, except in the case of a large net removal of CO₂ from the atmosphere over a sustained period (IPCC 2021a). Surface temperatures will remain approximately constant at elevated levels for many centuries after a complete cessation of net anthropogenic CO₂ emissions. Because of the long timescales of heat transfer from the ocean surface to depth, ocean warming will continue for centuries (IPCC 2021a). A recent study indicates that the Earth may be approaching an approximate 2°C (3.6°F) threshold after which the system as a whole would be locked into a rapid pathway toward much hotter conditions that would be accelerated by self-reinforcing feedbacks (Diffenbaugh and Barnes 2023; Steffen et al. 2018).

Delaying Mitigation

Several studies have shown that delaying mitigation of GHG emissions results in a greater accumulation of CO_2 in the atmosphere, thereby increasing the risk of crossing tipping points and triggering abrupt changes (IPCC 2021a; Anderson and Bows 2011; Friedlingstein et al. 2011; van Vuuren et al. 2011a, 2011b; Ranger et al. 2012). The studies speak to the delayed timing of reductions, which increases the overall cumulative amount of GHGs in the atmosphere. Consequently, regardless of future emissions rates, the greater amount of GHGs present in the atmosphere increases the likelihood of climatic changes and thus crossing certain tipping points.

Increases in the Risk of Extinction for Marine and Terrestrial Species

The rate of climate change is increasing the risk of extinction for a number of marine and terrestrial species (IPCC 2022a; NRC 2013a). Climate change can cause abrupt and irreversible extinctions through four known mechanisms (IPCC 2022a; NRC 2013a).

- Direct impacts from an abrupt event, such as flooding of an ecosystem through a combination of storm surge and sea-level rise.
- Incremental climatic changes that exceed a threshold beyond which a species enters decline; for example, pikas and ocean coral populations are close to physiological thermal limits.
- Adding stress to species in addition to nonclimatic pressures such as habitat fragmentation, overharvesting, and eutrophication.
- Biotic interactions, such as increases in disease or pests, loss of partner species that support a
 different species, or disruptions in food webs after the decline of a keystone species.

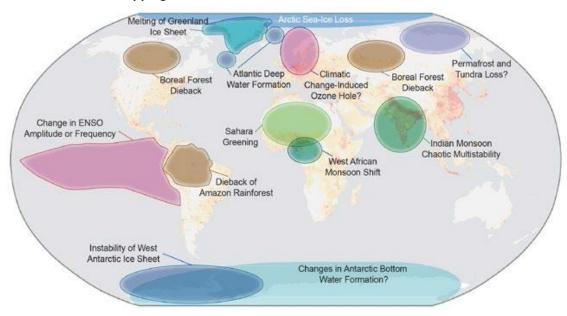
It is expected that some species will become extinct or fall below viable numbers in the next few decades (IPCC 2022a; NRC 2013a). IPCC states that there is *high confidence* that a large fraction of species faces increased extinction risk due to climate change during the 21st century and beyond (IPCC 2022a citing IPCC 2014).

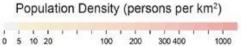
Additional Tipping Points

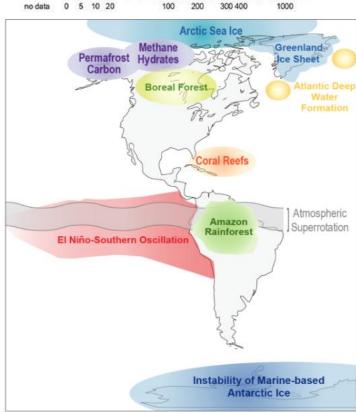
GCRP (2017) and NRC (2013a) indicate a number of other potential tipping points (Figure E.5.2-3) that are described in this section.

- El-Niño-Southern Oscillation (ENSO). It is *very likely* that regional rainfall variability due to ENSO will increase over this century, particularly in late 21st century (IPCC 2021a). In the United States, the rainfall variability associated with ENSO events will *likely* move eastward in the future, though some model disagreement exists (IPCC 2021a). Research indicates that the frequency of extreme El Niño events increases linearly with global mean temperature; under 1.5°C (2.7°F) of temperature warming, the number of extreme El Niño events could double (IPCC 2018 citing Wang et al. 2017). Ultimately, it is *likely* that extreme El Niño events, including rainfall exceeding the 5-millimeters-perday threshold in the eastern equatorial Pacific, will increase in intensity (IPCC 2021a).
- Amazon rainforest. Deforestation, reductions in precipitation, a longer dry season, and increased summer temperature could contribute to accelerated forest dieback. Important additional stressors also include forest fires and human activity (e.g., land clearing) (IPCC 2022a; Lenton et al. 2008). In general, studies agree that future climate change increases the risk of the tropical Amazon forest being replaced by seasonal forest or savannah (IPCC 2022a). Overall, this region is projected to experience enhanced aridity (high confidence), and although the occurrence of a tipping point driving this ecosystem to an arid state in the 21st century is unlikely, continued deforestation and warming increase the probability of the tipping point (IPCC 2021a).
- **Boreal forest.** The dieback of boreal forest could result from a combination of increased heat stress and water stress, leading to decreased reproduction rates, increased disease vulnerability, and subsequent fire, as well as increased beetle infestations (IPCC 2022a). Although highly uncertain, studies suggest a global warming of 3°C (5.4°F) could be the threshold for loss of the boreal forest (Lenton et al. 2008). Models indicate that under a high emissions scenario (RCP8.5), even without water stress, additional heat could transition the boreal forests into a net CO₂ source (Helbig et al. 2017).

Figure E.5.2-3. Potential Tipping Points







Source: GCRP 2017 adapted from Lenton et al. 2008

km² = square kilometer

Release of methane hydrates and permafrost and tundra loss. A catastrophic release of CH₄ to the atmosphere from clathrate hydrates⁷² in the seabed and permafrost, and from northern highlatitude and tropical wetlands, has been identified as a potential cause of abrupt climate change (GCRP 2017). The size of the CH₄ hydrate reservoir in the Arctic is estimated to be between 500 and 3,000 Gt of carbon potentially being equivalent to 82,000 Gt CO₂ (assuming the hydrates are released in that state) (GCRP 2017). However, uncertainty exists in the sensitivity of these carbon reservoirs—as measured by the rate of carbon release from stored hydrates per unit of warming to a changing climate (Mestdagh et al. 2017). These reserves will probably not reach the atmosphere in sufficient quantity to affect climate significantly over the next century (IPCC 2021a; GCRP 2017). Permafrost stores hold an additional estimated 1,300 to 1,600 Gt of carbon, about 5 to 15 percent of which is vulnerable to being released in the coming century (GCRP 2017 citing Schuur et al. 2015). It is very likely that emissions from thawing permafrost are amplifying carbon emissions and will continue to do so (IPCC 2021a; GCRP 2018a citing Schaefer et al. 2014, Koven et al. 2015, and Schuur et al. 2015; Yumashev et al. 2019). Past research warns that these tundra sources could cause an abrupt release of carbon, causing dramatic warming in the atmosphere (IPCC 2019a; Hansen et al. 2013; NRC 2013a), but more recent literature suggests that the most probable process is a gradual and prolonged release of carbon (Schuur et al. 2015; Mestdagh et al. 2017). These estimates of a slow emissions rate from permafrost and hydrates may be incorrect if anthropogenic GHG emissions cause the Earth to warm at a faster rate than anticipated (GCRP 2017).

To the extent that the Proposed Action and alternatives would decrease the rate of CO_2 emissions relative to the relevant No-Action Alternative, they could contribute to the marginal decrease or deceleration of reaching these tipping-point thresholds. Moreover, while this rulemaking alone would not cause sufficient CO_2 emissions reductions to avoid reaching the tipping-point thresholds, it would make substantial contributions in averting levels of abrupt and severe climate change when paired with many other global actions.

⁷² Clathrate hydrates are *inclusion compounds* in which a hydrogen-bonded water framework—the host lattice—traps guest molecules (typically gases) within ice cages. Naturally occurring gas hydrate on Earth is primarily methane hydrate and forms under high pressure–low temperature conditions in the presence of sufficient methane (GCRP 2014 citing Brook et al. 2008).

APPENDIX F

References

APPENDIX F REFERENCES

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APPENDIX G

List of Preparers and Reviewers

APPENDIX G LIST OF PREPARERS AND REVIEWERS

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Table G.1-1 identifies the preparers, contributors, and reviewers in the U.S. Department of Transportation.

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The ICF Team supported NHTSA in preparing its environmental analyses and this EIS. Table G.2-1 identifies the consultant team and their contributions.

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APPENDIX H

Distribution List

APPENDIX H DISTRIBUTION LIST

The CEQ NEPA implementing regulations (40 CFR 1502.20) specify requirements for transmitting an EIS. In accordance with those requirements, NHTSA is mailing notification of the availability of this EIS, as well as instructions on how to access it, to the elected officials and federally recognized Native American Tribes listed in this appendix. NHTSA is also sending an electronic notification of the availability of this EIS and instructions on how to access it to the federally recognized Native American Tribes listed in this appendix. NHTSA will send electronic notification to the agencies and other stakeholders listed in this appendix, which includes individuals who submitted comments in response to NHTSA's August 2022 notice of intent to prepare an EIS¹ and provided an email address.

H.1 Federal Agencies

- Advisory Council on Historic Preservation, Office of Federal Agency Programs
- Appalachian Regional Commission, Office of the General Counsel
- Argonne National Laboratory
- Armed Forces Retirement Home, Campus Operations
- Board of Governors of the Federal Reserve System, Engineering and Facilities
- Central Intelligence Agency, Environmental and Compliance Branch
- Committee for Purchase From People Who Are Blind or Severely Disabled/US AbilityOne Commission, Office of the General Counsel
- Consumer Product Safety Commission, Directorate for Economic Analysis
- Defense Nuclear Facilities Safety Board
- Delaware River Basin Commission
- Denali Commission
- Executive Office of the President, Office of Science and Technology Policy
- Export-Import Bank of the United States, Office of the Senior Counsel
- Export-Import Bank of the United States, Environmental and Social Policy and Review Program
- Farm Credit Administration, Office of Regulatory Policy
- Federal Communications Commission, Office of General Counsel
- Federal Communications Commission, Wireless Telecommunications Commission, Competition and Infrastructure Policy Division
- Federal Energy Regulatory Commission, Office of Energy Projects, Environmental Review and Permitting
- Federal Maritime Commission
- Federal Trade Commission, General Counsel for Litigation
- General Services Administration, Federal Permitting Improvement Steering Council

¹ Notice of Intent To Prepare an Environmental Impact Statement for Model Years 2027 and Beyond Corporate Average Fuel Economy Standards and Model Years 2029 and Beyond Heavy-Duty Pickup Trucks and Vans Vehicle Fuel Efficiency Improvement Program Standards, 87 FR 50386 (Aug. 16, 2022).

- General Services Administration, Public Buildings Service, Office of Portfolio Management and Customer Engagement
- International Boundary and Water Commission, U.S. & Mexico, Environmental Management Division
- International Trade Commission, Office of External Relations
- Marine Mammal Commission, Office of the General Counsel
- Millennium Challenge Corporation, Environmental and Social Assessment
- National Aeronautics and Space Administration, Environmental Management Division, Office of Strategic Infrastructure
- National Capital Planning Commission, Office of Urban Design and Plan Review Division
- National Credit Union Administration, Office of General Counsel, Division of Operations
- National Endowment for the Arts
- National Endowment for the Humanities
- National Indian Gaming Commission, Office of the General Counsel
- National Indian Gaming Commission, Office of the Chief of Staff
- National Institutes of Health, Division of Environmental Protection
- National Institute Standards and Technology, Office of Safety, Health, and Environment
- National Science Foundation, Office of the General Counsel
- Nuclear Regulatory Commission, Division of Fuel Cycle Safety, Safeguards, and Environmental Review
- Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards
- Oak Ridge National Laboratory
- Overseas Private Investment Corporation, Environmental Group
- Presidio Trust, NEPA Compliance
- Small Business Administration, Office of the General Counsel, Department of Litigation
- Social Security Administration, Office of Environmental Health and Occupational Safety
- Tennessee Valley Authority, Environmental Policy and Planning
- U.S. Access Board (Architectural and Transportation Barriers Compliance Board), Office of the General Counsel
- U.S. Agency for International Development
- U.S. Department of Agriculture, Agriculture Research Service, Natural Resources and Sustainable Agricultural Systems
- U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Environmental Risk and Analysis Services
- U.S. Department of Agriculture, Farm Service Agency
- U.S. Department of Agriculture, National Institute of Food and Agriculture, Institute of Bioenergy,
 Climate, and Environment
- U.S. Department of Agriculture, Natural Resources Conservation Service, Ecological Services Division
- U.S. Department of Agriculture, Rural Development, Rural Utilities Service, Engineering and Environmental Staff

- U.S. Department of Agriculture, U.S. Forest Service—Ecosystem Management Coordination
- U.S. Department of Commerce, Economic Development Administration
- U.S. Department of Commerce, Energy and Environmental Law Division, Office of the General Counsel for Administration and Transactions
- U.S. Department of Commerce, First Responder Network Authority (FirstNet)
- U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Review and Coordination Section, Office of the General Counsel
- U.S. Department of Defense, Army Corps of Engineers (Civil Works), Office of the Assistant Secretary of the Army
- U.S. Department of Defense, Army Corps of Engineers, Planning and Policy Division, Office of Water Project Review
- U.S. Department of Defense, Defense Logistics Agency; DLA Installation Support, Environmental Management
- U.S. Department of Defense, Department of Air Force, Air Force Civil Engineer, Strategic Plans and Programs Division, DCS/Logistics, Installations, and Mission Support
- U.S. Department of Defense, Department of Navy, Office of the Deputy Assistant Secretary of the Navy, Environmental Planning and Terrestrial Resources
- U.S. Department of Defense, Department of the Navy, Office of the Chief of Naval Operations, Energy and Environmental Readiness Division, Environmental Planning and Conservation Branch
- U.S. Department of Defense, Missile Defense Agency, Environmental Management
- U.S. Department of Defense, National Guard Bureau
- U.S. Department of Defense, National Guard Bureau, Military Construction Branch, Installations and Environment Division
- U.S. Department of Defense, National Guard Bureau, Real Estate Branch Installations and Environment Division
- U.S. Department of Defense, National Guard Bureau, Environmental Installations and Environment Division
- U.S. Department of Defense, National Security Agency
- U.S. Department of Defense, Office of the Deputy Assistant Secretary of Defense, Environment, Safety, and Occupational Health
- U.S. Department of Defense, U.S. Marine Corps, Headquarters
- U.S. Department of Education, Office of the General Counsel
- U.S. Department of Energy, Bonneville Power Administration, Environmental Planning and Analysis
- U.S. Department of Energy, Office of the General Counsel, Office of NEPA Policy and Compliance
- U.S. Department of Energy, Office of Environmental Management
- U.S. Department of Energy, National Nuclear Security Administration NEPA Program, Office of General Counsel
- U.S. Department of Energy, Western Area Power Administration
- U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, Division of Emergency and Environmental Health Services, National Center for Environmental Health

- U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, Office of Safety, Security, and Asset Management
- U.S. Department of Health and Human Services, Food and Drug Administration, Center for Food Safety and Applied Nutrition
- U.S. Department of Health and Human Services, Indian Health Service, Division of Sanitation Facilities Construction
- U.S. Department of Homeland Security
- U.S. Department of Homeland Security, Customs and Border Protection
- U.S. Department of Homeland Security, Environmental Planning and Historic Preservation Program
- U.S. Department of Homeland Security, Federal Emergency Management Agency—Office of Environmental Planning and Historic Preservation
- U.S. Department of Homeland Security, Federal Law Enforcement Training Center, Environmental and Safety Division
- U.S. Department of Homeland Security, Immigration and Customs Enforcement, Environmental Program
- U.S. Department of Homeland Security, Transportation Security Administration, Office of Occupational Safety, Health and Environment
- U.S. Department of Homeland Security, U.S. Citizenship and Immigration Services, Facilities Management Division, Planning, Programming & Environmental Branch
- U.S. Department of Homeland Security, U.S. Coast Guard, Office of Environmental Management
- U.S. Department of the Interior, Bureau of Indian Affairs, Division of Environmental and Cultural Resources Management, Office of Trust Services
- U.S. Department of the Interior, Bureau of Land Management, Division of Decision Support, Planning, and NEPA
- U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Environmental Programs
- U.S. Department of the Interior, Bureau of Ocean Energy Management, Branch of Environmental Coordination, Division of Environmental Assessment
- U.S. Department of the Interior, Bureau of Reclamation
- U.S. Department of the Interior, Bureau of Safety and Environmental Enforcement, Environmental Compliance Division
- U.S. Department of the Interior, National Park Service, Environmental Planning and Compliance Branch
- U.S. Department of the Interior, Office of Environmental Policy and Compliance
- U.S. Department of the Interior, Office of the Associate Deputy Secretary
- U.S. Department of the Interior, Office of Surface Mining Reclamation and Enforcement, Division of Regulatory Support
- U.S. Department of the Interior, U.S. Fish and Wildlife Service
- U.S. Department of the Interior, U.S. Fish and Wildlife Service, Ecological Services, Branch of Conservation Planning Assistance
- U.S. Department of the Interior, U.S. Geological Survey, Environmental Management Branch

- U.S. Department of Justice, Drug Enforcement Administration, Civil Litigation Section
- U.S. Department of Justice, Environment and Natural Resources Division
- U.S. Department of Justice, Federal Bureau of Investigation
- U.S. Department of Justice, Federal Bureau of Investigation, Occupational Safety & Environmental Programs Unit, Environmental Compliance Program
- U.S. Department of Justice, Federal Bureau of Prisons, Real Estate and Environmental Law
- U.S. Department of Justice, Federal Bureau of Prisons, Construction and Environmental Review Branch
- U.S. Department of Justice, Justice Management Division, Environmental and Sustainability Services
- U.S. Department of Justice, U.S. Marshals Service, Office of General Counsel
- U.S. Department of Justice, U.S. Marshals Service, Office of Security, Safety, and Health
- U.S. Department of Labor, Office of the Assistant Secretary for Administration and Management
- U.S. Department of Labor, Office of the Assistant Secretary for Policy
- U.S. Department of State, Bureau of Oceans and International Environmental and Scientific Affairs
- U.S. Department of Transportation, Infrastructure Permitting Improvement Center
- U.S. Department of Transportation, Federal Aviation Administration, Environmental Policy and Operations, Office of Environment and Energy
- U.S. Department of Transportation, Federal Highway Administration, Office of Project Development and Environmental Review
- U.S. Department of Transportation, Federal Motor Carrier Safety Administration, Regulatory and Legislative Affairs Division, Office of the Chief Counsel
- U.S. Department of Transportation, Federal Railroad Administration, Environmental and Corridor Planning, Office of Program Delivery
- U.S. Department of Transportation, Federal Transit Administration, Office of Environmental Programs
- U.S. Department of Transportation, Maritime Administration, Office of Environment
- U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Hazardous Materials Safety
- U.S. Department of Transportation, Saint Lawrence Seaway Development Corporation, Office of the Chief Counsel
- U.S. Department of Transportation, Volpe Center, Environmental Science and Engineering Division
- U.S. Department of Transportation, Volpe Center, Policy Analysis and Strategic Planning Division
- U.S. Department of the Treasury, Office of Environment, Safety, and Health
- U.S. Department of Veterans Affairs, Green Management Program Service
- U.S. Department of Veterans Affairs, Office of Construction and Facilities Management
- U.S. Department of Veterans Affairs, Veterans Health Administration, Office of General Counsel
- U.S. Environmental Protection Agency
- U.S. Environmental Protection Agency, Office of Policy
- U.S. Environmental Protection Agency, NEPA Compliance Division, Office of Federal Activities
- U.S. Environmental Protection Agency, NEPA Office Region 1

- U.S. Environmental Protection Agency, NEPA Office Region 2
- U.S. Environmental Protection Agency, NEPA Office Region 3
- U.S. Environmental Protection Agency, NEPA Office Region 4
- U.S. Environmental Protection Agency, NEPA Office Region 5
- U.S. Environmental Protection Agency, NEPA Office Region 6
- U.S. Environmental Protection Agency, NEPA Office Region 7
- U.S. Environmental Protection Agency, NEPA Office Region 8
- U.S. Environmental Protection Agency, NEPA Office Region 9
- U.S. Environmental Protection Agency, NEPA Office Region 10
- U.S. Postal Service, Environmental Compliance/Risk Management
- U.S. Securities and Exchange Commission, Office of Support Operations

H.2 State and Local Government Organizations

- American Samoa Office of Grants Policy/Office of the Governor, Department of Commerce, American Samoa Government
- Arizona Department of Environmental Quality
- Arkansas Department of Environmental Quality
- Arkansas Office of Intergovernmental Services, Department of Finance and Administration
- Boulder County Public Health
- California Air Resources Board
- California State Clearinghouse, Office of Planning and Research
- California Department of Justice
- California Office of the Attorney General
- City of Los Angeles, City Attorney's Office
- County of Los Angeles, Public Health
- Connecticut Department of Environmental Protection
- Connecticut Department of Transportation
- Connecticut Office of the Attorney General
- Delaware Department of Justice
- Delaware Office of Management and Budget, Budget Development, Planning, and Administration
- District of Columbia Office of the City Administrator
- District of Columbia Office of the Attorney General
- Florida State Clearinghouse, Florida Department of Environmental Protection
- Grants Coordination, California State Clearinghouse, Office of Planning and Research
- Guam State Clearinghouse, Office of I Segundo na Maga'lahen Guahan, Office of the Governor
- Hawaii Office of the Attorney General
- Hawaii Office of Environmental Quality
- Illinois Office of the Attorney General

- Iowa Department of Management
- Iowa Office of the Attorney General
- Los Angeles City Attorney's Office
- Los Angeles County, Public Health
- Maine State Planning Office
- Maine Office of the Attorney General
- Maryland Department of Planning
- Maryland Department of Transportation
- Maryland State Clearinghouse for Intergovernmental Assistance
- Maryland Office of the Attorney General
- Massachusetts Office of the Attorney General
- Michigan Department of Transportation
- Minnesota Department of Commerce, Division of Energy Resources
- Minnesota Department of Environmental Protection
- Minnesota Office of the Attorney General
- Missouri Federal Assistance Clearinghouse, Office of Administration, Commissioner's Office
- Nevada Division of State Lands
- New Hampshire Office of Energy and Planning, Attn: Intergovernmental Review Process
- New Jersey Environmental Practice Group, Division of Law
- New Mexico Office of the Attorney General
- New York City Law Department
- New York State Department of Environmental Conservation
- New York Office of the Attorney General
- North Carolina Department of Environmental Quality
- North Carolina Department of Justice
- North Dakota Department of Commerce
- Oakland City Attorney
- Oregon Department of Environmental Quality
- Oregon Office of the Attorney General
- Oregon Department of Justice, Natural Resources Section
- Pennsylvania Department of Environmental Protection
- Pennsylvania Office of the Attorney General
- Pima County, Department of Environmental Quality
- Puerto Rico Highway and Transportation Authority
- Puerto Rico Planning Board, Federal Proposals Review Office
- Regional Air Pollution Control Agency, Clark, Darke, Greene, Miami, Montgomery, and Preble Counties, Ohio
- Rhode Island Office of the Attorney General

- Rhode Island Division of Planning
- Sacramento Municipal Utility District
- Saint Thomas, VI Office of Management and Budget
- San Francisco Office of the City Attorney
- San Jose Office of the City Attorney
- South Carolina Office of State Budget
- Southeast Michigan Council of Governments
- State of Vermont Agency of Natural Resources
- The Governor of Kentucky's Office for Local Development
- Town of Brookhaven, Planning, Environment, and Land Management
- Town of Brookline
- Utah State Clearinghouse, Governor's Office of Planning and Budget Utah State
- Virginia Office of the Attorney General
- Virgin Islands, Office of Management and Budget
- Washington State Department of Ecology
- Washington State Office of the Attorney General
- West Virginia Development Office
- Wisconsin Department of Natural Resources

H.3 Elected Officials

- The Honorable Karl Racine, Attorney General of the District of Columbia
- The Honorable Tom Miller, Attorney General of Iowa
- The Honorable Aaron Frey, Attorney General of Maine
- The Honorable Brian Frosh, Attorney General of Maryland
- The Honorable Maura Healey, Attorney General of Massachusetts
- The Honorable Letitia James, Attorney General of New York
- The Honorable Ellen Rosenblum, Attorney General of Oregon
- The Honorable Josh Shapiro, Attorney General of Pennsylvania
- The Honorable Thomas J. Donovan, Attorney General of Vermont
- The Honorable Bob Ferguson, Attorney General of Washington
- The Honorable Kay Ivey, Governor of Alabama
- The Honorable Michael Dunleavy, Governor of Alaska
- The Honorable Lemanu Peleti Mauga, Governor of American Samoa
- The Honorable Doug Ducey, Governor of Arizona
- The Honorable Asa Hutchinson, Governor of Arkansas
- The Honorable Gavin Newsom, Governor of California
- The Honorable Jared Polis, Governor of Colorado
- The Honorable Ned Lamont, Governor of Connecticut

- The Honorable John Carney, Governor of Delaware
- The Honorable Ron DeSantis, Governor of Florida
- The Honorable Brian Kemp, Governor of Georgia
- The Honorable Lourdes Leon Guerrero, Governor of Guam
- The Honorable David Ige, Governor of Hawaii
- The Honorable Brad Little, Governor of Idaho
- The Honorable Jay Pritzker, Governor of Illinois
- The Honorable Eric Holcomb, Governor of Indiana
- The Honorable Kim Reynolds, Governor of Iowa
- The Honorable Laura Kelly, Governor of Kansas
- The Honorable Andy Beshear, Governor of Kentucky
- The Honorable John Bel Edwards, Governor of Louisiana
- The Honorable Janet Mills, Governor of Maine
- The Honorable Larry Hogan, Governor of Maryland
- The Honorable Charles Baker, Governor of Massachusetts
- The Honorable Gretchen Whitmer, Governor of Michigan
- The Honorable Tim Walz, Governor of Minnesota
- The Honorable Tate Reeves, Governor of Mississippi
- The Honorable Michael L. Parson, Governor of Missouri
- The Honorable Greg Gianforte, Governor of Montana
- The Honorable Pete Ricketts, Governor of Nebraska
- The Honorable Steve Sisolak, Governor of Nevada
- The Honorable Christopher Sununu, Governor of New Hampshire
- The Honorable Philip Murphy, Governor of New Jersey
- The Honorable Michelle Grisham, Governor of New Mexico
- The Honorable Kathy Hochul, Governor of New York
- The Honorable Roy Cooper, Governor of North Carolina
- The Honorable Doug Burgum, Governor of North Dakota
- The Honorable Ralph Deleon Guerrero Torres, Governor of the Commonwealth of the Northern Mariana Islands
- The Honorable Richard Michael DeWine, Governor of Ohio
- The Honorable Kevin Stitt, Governor of Oklahoma
- The Honorable Kate Brown, Governor of Oregon
- The Honorable Tom Wolf, Governor of Pennsylvania
- The Honorable Pedro Pierluisi, Governor of Puerto Rico
- The Honorable Daniel McKee, Governor of Rhode Island
- The Honorable Henry McMaster, Governor of South Carolina
- The Honorable Kristi Noem, Governor of South Dakota

- The Honorable Bill Lee, Governor of Tennessee
- The Honorable Greg Abbott, Governor of Texas
- The Honorable Albert Bryan, Governor of the United States Virgin Islands
- The Honorable Spencer Cox, Governor of Utah
- The Honorable Phil Scott, Governor of Vermont
- The Honorable Glenn Youngkin, Governor of Virginia
- The Honorable Jay Inslee, Governor of Washington
- The Honorable Jim Justice, Governor of West Virginia
- The Honorable Anthony Evers, Governor of Wisconsin
- The Honorable Mark Gordon, Governor of Wyoming
- The Honorable Muriel Bowser, Mayor of the District of Columbia

H.4 Federally Recognized Native American Tribes

- Absentee-Shawnee Tribe of Indians of Oklahoma
- Agdaagux Tribe of King Cove
- Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California
- Ak-Chin Indian Community
- Akiachak Native Community
- Akiak Native Community
- Alabama-Coushatta Tribe of Texas
- Alabama-Quassarte Tribal Town
- Alatna Village
- Algaaciq Native Village (St. Mary's)
- Allakaket Village
- Alturas Indian Rancheria, California
- Alutiiq Tribe of Old Harbor
- Angoon Community Association
- Anvik Village
- Apache Tribe of Oklahoma
- Arctic Village
- Aroostook Band of Micmacs
- Asa'carsarmiut Tribe
- Assiniboine & Sioux Tribes of the Fort Peck Indian Reservation, Montana
- Augustine Band of Cahuilla Indians, California
- Bad River Band of Lake Superior Tribe of Chippewa Indians of the Bad River Reservation, Wisconsin
- Bay Mills Indian Community, Michigan
- Bear River Band of the Rohnerville Rancheria, California
- Beaver Village

- Berry Creek Rancheria of Maidu Indians of California
- Big Lagoon Rancheria, California
- Big Pine Paiute Tribe of the Owens Valley
- Big Sandy Rancheria of Western Mono Indians of California
- Big Valley Band of Pomo Indians of the Big Valley Rancheria, California
- Birch Creek Tribe
- Bishop Paiute Tribe
- Blackfeet Tribe of the Blackfeet Indian Reservation of Montana
- Blue Lake Rancheria, California
- Bridgeport Indian Colony
- Buena Vista Rancheria of Me-wuk Indians of California
- Burns Paiute Tribe
- Cabazon Band of Mission Indians, California
- Cachil DeHe Band of Wintun Indians of the Colusa Indian Community of the Colusa Rancheria,
 California
- Caddo Nation of Oklahoma
- Cahto Tribe of the Laytonville Rancheria
- Cahuilla Band of Indians
- California Valley Miwok Tribe, California
- Campo Band of Diegueno Mission Indians of the Campo Indian Reservation, California
- Capitan Grande Band of Diegueno Mission Indians of California (Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation, California)
- Capitan Grande Band of Diegueno Mission Indians of California: Viejas (Barona Long) Group of Capitan Grande Band of Mission Indians of the Viejas Reservation, California
- Catawba Indian Nation
- Cayuga Nation
- Cedarville Rancheria, California
- Central Council of the Tlingit & Haida Indian Tribes of Alaska
- Chalkyitsik Village
- Cheesh-Na Tribe
- Chemehuevi Indian Tribe of the Chemehuevi Reservation, California
- Cher-Ae Heights Indian Community of the Trinidad Rancheria, California
- Cherokee Nation
- Chevak Native Village
- Cheyenne and Arapaho Tribes, Oklahoma
- Cheyenne River Sioux Tribe of the Cheyenne River Reservation, South Dakota
- Chickahominy Indian Tribe
- Chickahominy Indian Tribe—Eastern Division

- Chickaloon Native Village
- Chicken Ranch Rancheria of Me-wuk Indians of California
- Chignik Bay Tribal Council
- Chignik Lake Village
- Chilkat Indian Village (Klukwan)
- Chilkoot Indian Association (Haines)
- Chinik Eskimo Community (Golovin)
- Chippewa Cree Indians of the Rocky Boy's Reservation, Montana
- Chitimacha Tribe of Louisiana
- Chuloonawick Native Village
- Circle Native Community
- Citizen Potawatomi Nation (Oklahoma)
- Cloverdale Rancheria of Pomo Indians of California
- Cocopah Tribe of Arizona
- Coeur D'Alene Tribe
- Cold Springs Rancheria of Mono Indians of California
- Colorado River Indian Tribes of the Colorado Indian Reservation, Arizona and California
- Comanche Nation, Oklahoma
- Confederated Salish and Kootenai Tribes of the Flathead Reservation
- Confederated Tribes and Bands of the Yakama Nation
- Confederated Tribes of Coos, Lower Umpqua and Siuslaw Indians
- Confederated Tribes of Siletz Indians of Oregon
- Confederated Tribes of the Chehalis Reservation
- Confederated Tribes of the Colville Reservation
- Confederated Tribes of the Goshute Reservation, Nevada and Utah
- Confederated Tribes of the Grand Ronde Community of Oregon
- Confederated Tribes of the Umatilla Indian Reservation
- Confederated Tribes of the Warm Springs Reservation of Oregon
- Coquille Indian Tribe
- Coushatta Tribe of Louisiana
- Cow Creek Band of Umpqua Tribe of Indians
- Cowlitz Indian Tribe
- Coyote Valley Band of Pomo Indians of California
- Craig Tribal Association
- Crow Creek Sioux Tribe of the Crow Creek Reservation, South Dakota
- Crow Tribe of Montana
- Curyung Tribal Council
- Delaware Nation, Oklahoma

- Delaware Tribe of Indians
- Douglas Indian Association
- Dry Creek Rancheria Band of Pomo Indians, California
- Duckwater Shoshone Tribe of the Duckwater Reservation, Nevada
- Eastern Band of Cherokee Indians
- Eastern Shawnee Tribe of Oklahoma
- Eastern Shoshone Tribe of the Wind River Reservation, Wyoming
- Egegik Village
- Eklutna Native Village
- Elem Indian Colony of Pomo Indians of the Sulphur Bank Rancheria, California
- Elk Valley Rancheria, California
- Ely Shoshone Tribe of Nevada
- Emmonak Village
- Enterprise Rancheria of Maidu Indians of California
- Evansville Village (aka Bettles Field)
- Ewiiaapaayp Band of Kumeyaay Indians, California
- Federated Indians of Graton Rancheria, California
- Flandreau Santee Sioux Tribe of South Dakota
- Forest County Potawatomi Community, Wisconsin
- Fort Belknap Indian Community
- Fort Bidwell Indian Community of the Fort Bidwell Reservation of California
- Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation,
 California
- Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon
- Fort McDowell Yavapai Nation, Arizona
- Fort Mojave Indian Tribe of Arizona, California and Nevada
- Fort Sill Apache Tribe of Oklahoma
- Galena Village (aka Louden Village)
- Gila River Indian Community of the Gila River Indian Reservation, Arizona
- Grand Traverse Band of Ottawa and Chippewa Indians, Michigan
- Greenville Rancheria
- Grindstone Indian Rancheria of Wintun-Wailaki Indians of California
- Guidiville Rancheria of California
- Gulkana Village Council
- Habematolel Pomo of Upper Lake, California
- Hannahville Indian Community, Michigan
- Havasupai Tribe of the Havasupai Reservation, Arizona

- Healy Lake Village
- Ho-Chunk Nation of Wisconsin
- Hoh Indian Tribe
- Holy Cross Tribe
- Hoonah Indian Association
- Hoopa Valley Tribe, California
- Hopi Tribe of Arizona
- Hopland Band of Pomo Indians, California
- Houlton Band of Maliseet Indians
- Hualapai Indian Tribe of the Hualapai Indian Reservation, Arizona
- Hughes Village
- Huslia Village
- Hydaburg Cooperative Association
- Igiugig Village
- lipay Nation of Santa Ysabel, California
- Inaja Band of Diegueno Mission Indians of the Inaja and Cosmit Reservation, California
- Inupiat Community of the Arctic Slope
- Ione Band of Miwok Indians of California
- Iowa Tribe of Kansas and Nebraska
- Iowa Tribe of Oklahoma
- Iqugmiut Traditional Council
- Ivanof Bay Tribe
- Jackson Band of Miwuk Indians
- Jamestown S'Klallam Tribe
- Jamul Indian Village of California
- Jena Band of Choctaw Indians
- Jicarilla Apache Nation, New Mexico
- Kaguyak Village
- Kaibab Band of Paiute Indians of the Kaibab Indian Reservation, Arizona
- Kaktovik Village (aka Barter Island)
- Kalispel Indian Community of the Kalispel Reservation
- Karuk Tribe
- Kashia Band of Pomo Indians of the Stewarts Point Rancheria, California
- Kasigluk Traditional Elders Council
- Kaw Nation, Oklahoma
- Kenaitze Indian Tribe
- Ketchikan Indian Community
- Keweenaw Bay Indian Community, Michigan

- Kialegee Tribal Town
- Kickapoo Traditional Tribe of Texas
- Kickapoo Tribe of Indians of the Kickapoo Reservation in Kansas
- Kickapoo Tribe of Oklahoma
- King Island Native Community
- King Salmon Tribe
- Kiowa Indian Tribe of Oklahoma
- Klamath Tribes
- Klawock Cooperative Association
- Kletsel Dehe Band of Wintun Indians
- Knik Tribe
- Koi Nation of Northern California
- Kokhanok Village
- Kootenai Tribe of Idaho
- Koyukuk Native Village
- La Jolla Band of Luiseno Indians, California
- La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation, California
- Lac Courte Oreilles Band of Lake Superior Chippewa Indians of Wisconsin
- Lac du Flambeau Band of Lake Superior Chippewa Indians of Wisconsin
- Lac Vieux Desert Band of Lake Superior Chippewa Indians of Michigan
- Las Vegas Tribe of Paiute Indians of the Las Vegas Indian Colony, Nevada
- Levelock Village
- Lime Village
- Little River Band of Ottawa Indians, Michigan
- Little Shell Tribe of Chippewa Indians of Montana
- Little Traverse Bay Bands of Odawa Indians, Michigan
- Lone Pine Paiute-Shoshone Tribe
- Los Coyotes Band of Cahuilla and Cupeno Indians, California
- Lovelock Paiute Tribe of the Lovelock Indian Colony, Nevada
- Lower Brule Sioux Tribe of the Lower Brule Reservation, South Dakota
- Lower Elwha Tribal Community
- Lower Sioux Indian Community in the State of Minnesota
- Lummi Tribe of the Lummi Reservation
- Lytton Rancheria of California
- Makah Indian Tribe of the Makah Indian Reservation
- Manchester Band of Pomo Indians of the Manchester Rancheria, California
- Manley Hot Springs Village
- Manokotak Village

- Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation, California
- Mashantucket Pequot Indian Tribe
- Mashpee Wampanoag Tribe
- Match-e-be-nash-she-wish Band of Pottawatomi Indians of Michigan
- McGrath Native Village
- Mechoopda Indian Tribe of Chico Rancheria, California
- Menominee Indian Tribe of Wisconsin
- Mentasta Traditional Council
- Mesa Grande Band of Diegueno Mission Indians of the Mesa Grande Reservation, California
- Mescalero Apache Tribe of the Mescalero Reservation, New Mexico
- Metlakatla Indian Community, Annette Island Reserve
- Miami Tribe of Oklahoma
- Miccosukee Tribe of Indians
- Middletown Rancheria of Pomo Indians of California
- Minnesota Chippewa Tribe
- Minnesota Chippewa Tribe—Bois Forte Band (Nett Lake)
- Minnesota Chippewa Tribe—Fond du Lac Band
- Minnesota Chippewa Tribe—Grand Portage Band
- Minnesota Chippewa Tribe—Leech Lake Band
- Minnesota Chippewa Tribe—Mille Lacs Band
- Minnesota Chippewa Tribe—White Earth Band
- Mississippi Band of Choctaw Indians
- Moapa Band of Paiute Indians of the Moapa River Indian Reservation, Nevada
- Mohegan Tribe of Indians of Connecticut
- Modoc Nation
- Monacan Indian Nation
- Mooretown Rancheria of Maidu Indians of California
- Morongo Band of Mission Indians, California
- Muckleshoot Indian Tribe
- Naknek Native Village
- Nansemond Indian Nation
- Narragansett Indian Tribe
- Native Village of Afognak
- Native Village of Akhiok
- Native Village of Akutan
- Native Village of Aleknagik
- Native Village of Ambler
- Native Village of Atka

- Native Village of Atqasuk
- Native Village of Barrow Inupiat Traditional Government
- Native Village of Belkofski
- Native Village of Brevig Mission
- Native Village of Buckland
- Native Village of Cantwell
- Native Village of Chenega (aka Chanega)
- Native Village of Chignik Lagoon
- Native Village of Chitina
- Native Village of Chuathbaluk (Russian Mission, Kuskokwim)
- Native Village of Council
- Native Village of Deering
- Native Village of Diomede (aka Inalik)
- Native Village of Eagle
- Native Village of Eek
- Native Village of Ekuk
- Native Village of Ekwok
- Native Village of Elim
- Native Village of Eyak (Cordova)
- Native Village of False Pass
- Native Village of Fort Yukon
- Native Village of Gakona
- Native Village of Gambell
- Native Village of Georgetown
- Native Village of Goodnews Bay
- Native Village of Hamilton
- Native Village of Hooper Bay
- Native Village of Kanatak
- Native Village of Karluk
- Native Village of Kiana
- Native Village of Kipnuk
- Native Village of Kivalina
- Native Village of Kluti-Kaah (aka Copper Center)
- Native Village of Kobuk
- Native Village of Kongiganak
- Native Village of Kotzebue
- Native Village of Koyuk
- Native Village of Kwigillingok

- Native Village of Kwinhagak (aka Quinhagak)
- Native Village of Larsen Bay
- Native Village of Marshall (aka Fortuna Ledge)
- Native Village of Mary's Igloo
- Native Village of Mekoryuk
- Native Village of Minto
- Native Village of Nanwalek (aka English Bay)
- Native Village of Napaimute
- Native Village of Napakiak
- Native Village of Napaskiak
- Native Village of Nelson Lagoon
- Native Village of Nightmute
- Native Village of Nikolski
- Native Village of Noatak
- Native Village of Nuiqsut (aka Nooiksut)
- Native Village of Nunam Iqua
- Native Village of Nunapitchuk
- Native Village of Ouzinkie
- Native Village of Paimiut
- Native Village of Perryville
- Native Village of Pilot Point
- Native Village of Point Hope
- Native Village of Point Lay
- Native Village of Port Graham
- Native Village of Port Heiden
- Native Village of Port Lions
- Native Village of Ruby
- Native Village of Saint Michael
- Native Village of Savoonga
- Native Village of Scammon Bay
- Native Village of Selawik
- Native Village of Shaktoolik
- Native Village of Shishmaref
- Native Village of Shungnak
- Native Village of Stevens
- Native Village of Tanacross
- Native Village of Tanana
- Native Village of Tatitlek

- Native Village of Tazlina
- Native Village of Teller
- Native Village of Tetlin
- Native Village of Tuntutuliak
- Native Village of Tununak
- Native Village of Tyonek
- Native Village of Unalakleet
- Native Village of Unga
- Native Village of Venetie Tribal Government
- Native Village of Wales
- Native Village of White Mountain
- Navajo Nation, Arizona, New Mexico and Utah
- Nenana Native Association
- New Koliganek Village Council
- New Stuyahok Village
- Newhalen Village
- Newtok Village
- Nez Perce Tribe
- Nikolai Village
- Ninilchik Village
- Nisqually Indian Tribe
- Nome Eskimo Community
- Nondalton Village
- Nooksack Indian Tribe
- Noorvik Native Community
- Northern Arapaho Tribe of the Wind River Reservation, Wyoming
- Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana
- Northfork Rancheria of Mono Indians of California
- Northway Village
- Northwestern Band of Shoshone Nation
- Nottawaseppi Huron Band of the Potawatomi, Michigan
- Nulato Village
- Nunakauyarmiut Tribe
- Oglala Sioux Tribe
- Ohkay Owingeh, New Mexico
- Omaha Tribe of Nebraska
- Oneida Indian Nation
- Oneida Nation

- Onondaga Nation
- Organized Village of Grayling (aka Holikachuk)
- Organized Village of Kake
- Organized Village of Kasaan
- Organized Village of Kwethluk
- Organized Village of Saxman
- Orutsararmiut Traditional Native Council
- Oscarville Traditional Village
- Otoe-Missouria Tribe of Indians, Oklahoma
- Ottawa Tribe of Oklahoma
- Paiute Indian Tribe of Utah (Cedar Band of Paiutes, Kanosh Band of Paiutes, Koosharem Band of Paiutes, Indian Peaks Band of Paiutes, and Shivwits Band of Paiutes)
- Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada
- Pala Band of Mission Indians
- Pamunkey Indian Tribe
- Pascua Yaqui Tribe of Arizona
- Paskenta Band of Nomlaki Indians of California
- Passamaquoddy Tribe—Indian Township
- Passamaquoddy Tribe—Pleasant Point
- Pauloff Harbor Village
- Pauma Band of Luiseno Mission Indians of the Pauma & Yuima Reservation, California
- Pawnee Nation of Oklahoma
- Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, California
- Pedro Bay Village
- Penobscot Nation
- Peoria Tribe of Indians of Oklahoma
- Petersburg Indian Association
- Picayune Rancheria of Chukchansi Indians of California
- Pilot Station Traditional Village
- Pinoleville Pomo Nation, California
- Pit River Tribe, California
- Pitka's Point Traditional Council
- Platinum Traditional Village
- Poarch Band of Creek Indians
- Pokagon Band of Potawatomi Indians, Michigan & Indiana
- Ponca Tribe of Indians of Oklahoma
- Ponca Tribe of Nebraska
- Port Gamble S'Klallam Tribe

- Portage Creek Village (aka Ohgsenakale)
- Potter Valley Tribe, California
- Prairie Band of Potawatomi Nation
- Prairie Island Indian Community in the State of Minnesota
- Pribilof Islands Aleut Communities of St. Paul and St. George Islands
- Pueblo of Acoma, New Mexico
- Pueblo of Cochiti, New Mexico
- Pueblo of Isleta, New Mexico
- Pueblo of Jemez, New Mexico
- Pueblo of Laguna, New Mexico
- Pueblo of Nambe, New Mexico
- Pueblo of Picuris, New Mexico
- Pueblo of Pojoaque, New Mexico
- Pueblo of San Felipe, New Mexico
- Pueblo of San Ildefonso, New Mexico
- Pueblo of Sandia, New Mexico
- Pueblo of Santa Ana, New Mexico
- Pueblo of Santa Clara, New Mexico
- Pueblo of Taos, New Mexico
- Pueblo of Tesuque, New Mexico
- Pueblo of Zia, New Mexico
- Puyallup Tribe of the Puyallup Reservation
- Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada
- Quapaw Nation
- Qagan Tayagungin Tribe of Sand Point
- Qawalangin Tribe of Unalaska
- Quartz Valley Indian Community of the Quartz Valley Reservation of California
- Quechan Tribe of the Fort Yuma Indian Reservation, California and Arizona
- Quileute Tribe of the Quileute Reservation
- Quinault Indian Nation
- Ramona Band of Cahuilla, California
- Rampart Village
- Rappahannock Tribe, Inc.
- Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin
- Red Lake Band of Chippewa Indians, Minnesota
- Redding Rancheria, California
- Redwood Valley or Little River Band of Pomo Indians of the Redwood Valley Rancheria, California
- Reno-Sparks Indian Colony, Nevada

- Resighini Rancheria, California
- Rincon Band of Luiseno Mission Indians of the Rincon Reservation, California
- Robinson Rancheria, California
- Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota
- Round Valley Indian Tribes, Round Valley Reservation, California
- Sac & Fox Tribe of the Mississippi in Iowa
- Sac and Fox Nation of Missouri in Kansas and Nebraska
- Sac and Fox Nation, Oklahoma
- Saginaw Chippewa Indian Tribe of Michigan
- Saint George Island (Pribilof Islands Aleut Communities of St. Paul and St. George Islands)
- Saint Paul Island (Pribilof Islands Aleut Communities of St. Paul and St. George Islands)
- Saint Regis Mohawk Tribe
- Salamatof Tribe
- Salt River Pima-Maricopa Indian Community of the Salt River Reservation, Arizona
- Samish Indian Nation
- San Carlos Apache Tribe of the San Carlos Reservation, Arizona
- San Juan Southern Paiute Tribe of Arizona
- San Manuel Band of Mission Indians, California
- San Pasqual Band of Diegueno Mission Indians of California
- Santa Rosa Band of Cahuilla Indians, California
- Santa Rosa Indian Community of the Santa Rosa Rancheria, California
- Santa Ynez Band of Chumash Mission Indians of the Santa Ynez Reservation, California
- Santee Sioux Nation, Nebraska
- Santo Domingo Pueblo
- Sauk-Suiattle Indian Tribe
- Sault Ste. Marie Tribe of Chippewa Indians, Michigan
- Scotts Valley Band of Pomo Indians of California
- Seldovia Village Tribe
- Seminole Tribe of Florida
- Seneca Nation of Indians
- Seneca-Cayuga Nation
- Shageluk Native Village
- Shakopee Mdewakanton Sioux Community of Minnesota
- Shawnee Tribe
- Sherwood Valley Rancheria of Pomo Indians of California
- Shingle Springs Band of Miwok Indians, Shingle Springs Rancheria (Verona Tract), California
- Shinnecock Indian Nation
- Shoalwater Bay Indian Tribe of the Shoalwater Bay Indian Reservation

- Shoshone-Bannock Tribes of the Fort Hall Reservation
- Shoshone-Paiute Tribes of the Duck Valley Reservation, Nevada
- Sisseton-Wahpeton Oyate of the Lake Traverse Reservation, South Dakota
- Sitka Tribe of Alaska
- Skagway Village
- Skokomish Indian Tribe
- Skull Valley Band of Goshute Indians of Utah
- Snoqualmie Indian Tribe
- Soboba Band of Luiseño Indians, California
- Sokaogon Chippewa Community, Wisconsin
- South Naknek Village
- Southern Ute Indian Tribe of the Southern Ute Reservation, Colorado
- Spirit Lake Tribe, North Dakota
- Spokane Tribe of the Spokane Reservation
- Squaxin Island Tribe of the Squaxin Island Reservation
- St. Croix Chippewa Indians of Wisconsin
- Standing Rock Sioux Tribe of North and South Dakota
- Stebbins Community Association
- Stillaguamish Tribe of Indians of Washington
- Stockbridge Munsee Community, Wisconsin
- Summit Lake Paiute Tribe of Nevada
- Sun'aq Tribe of Kodiak
- Suguamish Indian Tribe of the Port Madison Reservation
- Susanville Indian Rancheria, California
- Swinomish Indian Tribal Community
- Sycuan Band of the Kumeyaay Nation
- Table Mountain Rancheria of California
- Takotna Village
- Tangirnaq Native Village (aka Woody Island)
- Tejon Indian Tribe
- Telida Village
- Te-Moak Tribe of Western Shoshone Indians of Nevada (four constituent bands: Battle Mountain Band, Elko Band, South Fork Band, and Wells Band)
- The Chickasaw Nation
- The Choctaw Nation of Oklahoma
- The Muscogee (Creek) Nation
- The Osage Nation
- The Seminole Nation of Oklahoma

- Thlopthlocco Tribal Town
- Three Affiliated Tribes of the Fort Berthold Reservation, North Dakota
- Timbisha Shoshone Tribe
- Tohono O'odham Nation of Arizona
- Tolowa Dee-Ni' Nation
- Tonawanda Band of Seneca
- Tonkawa Tribe of Indians of Oklahoma
- Tonto Apache Tribe of Arizona
- Torres Martinez Desert Cahuilla Indians, California
- Traditional Village of Togiak
- Tulalip Tribes of Washington
- Tule River Indian Tribe of the Tule River Reservation, California
- Tuluksak Native Community
- Tunica-Biloxi Indian Tribe
- Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California
- Turtle Mountain Band of Chippewa Indians of North Dakota
- Tuscarora Nation
- Twenty-Nine Palms Band of Mission Indians of California
- Twin Hills Village
- Ugashik Village
- Umkumiut Native Village
- United Auburn Indian Community of the Auburn Rancheria of California
- United Keetoowah Band of Cherokee Indians in Oklahoma
- Upper Mattaponi Tribe
- Upper Sioux Community, Minnesota
- Upper Skagit Indian Tribe
- Ute Indian Tribe of the Uintah & Ouray Reservation, Utah
- Ute Mountain Ute Tribe
- Utu Utu Gwaitu Paiute Tribe of the Benton Paiute Reservation, California
- Village of Alakanuk
- Village of Anaktuvuk Pass
- Village of Aniak
- Village of Atmautluak
- Village of Bill Moore's Slough
- Village of Chefornak
- Village of Clarks Point
- Village of Crooked Creek
- Village of Dot Lake

- Village of Iliamna
- Village of Kalskag
- Village of Kaltag
- Village of Kotlik
- Village of Lower Kalskag
- Village of Ohogamiut
- Village of Red Devil
- Village of Sleetmute
- Village of Solomon
- Village of Stony River
- Village of Venetie
- Village of Wainwright
- Walker River Paiute Tribe of the Walker River Reservation, Nevada
- Wampanoag Tribe of Gay Head (Aguinnah)
- Washoe Tribe of Nevada and California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, and Washoe Ranches)
- White Mountain Apache Tribe of the Fort Apache Reservation, Arizona
- Wichita and Affiliated Tribes
- Wilton Rancheria, Californa
- Winnebago Tribe of Nebraska
- Winnemucca Indian Colony of Nevada
- Wiyot Tribe, California
- Wrangell Cooperative Association
- Wyandotte Nation
- Yakutat Tlingit Tribe
- Yankton Sioux Tribe of South Dakota
- Yavapai-Apache Nation of the Camp Verde Indian Reservation, Arizona
- Yavapai-Prescott Indian Tribe
- Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada
- Yocha Dehe Wintun Nation, California
- Yomba Shoshone Tribe of the Yomba Reservation, Nevada
- Ysleta del Sur Pueblo
- Yupiit of Andreafski
- Yurok Tribe of the Yurok Reservation, California
- Zuni Tribe of the Zuni Reservation

H.5 Manufacturers

• American Honda Motor Company, Inc.

- Aston Martin Lagonda
- BMW of North America, LLC
- BYD Motors, Inc.
- CODA Automotive, Inc.
- Elux Automotive
- Ferrari North America, Inc.
- Fiat Chrysler Automobiles US LLC
- Ford Motor Company
- General Motors, LLC
- Hyundai Kia America Technical Center, Inc.
- Jaguar Land Rover North America, LLC
- Karma Automotive, LLC
- Koenigsegg Automotive AB
- Lotus Cars USA, Inc.
- Mazda North American Operations
- McLaren Automotive Limited
- Mercedes-Benz USA, LLC
- Mitsubishi Motors North America, Inc.
- Mobility Ventures, LLC
- Nissan North America, Inc.
- RUF Automobile GmbH
- Subaru of America, Inc.
- Suzuki Motor of America, Inc.
- Tesla Motors, Inc.
- Toyota Motor Engineering & Manufacturing North America, Inc.
- Volkswagen Group of America, Inc.
- Volvo Car USA, LLC

H.6 Stakeholders

- AAA Mid-Atlantic
- Advanced Engine Systems Institute
- Alaska Public Interest Research Group
- Alliance for Automotive Innovation
- Alliance to Save Energy
- American Association of Blacks in Energy
- American Automotive Policy Council
- American Chemistry Council
- American Council for an Energy-Efficient Economy

- American Council on Renewable Energy
- American Fuel & Petrochemical Manufacturers
- American Gas Association
- American Indian Science and Engineering Society
- American International Automobile Dealers Association
- American Iron and Steel Institute
- American Jewish Committee
- American Lung Association
- American Petroleum Institute
- American Powersports Mfg. Co. Inc.
- American Road & Transportation Builders Association
- American Security Project
- Appalachian Mountain Club
- Arizona Public Interest Research Group
- Association of International Automobile Manufacturers, Inc.
- Association of Metropolitan Planning Organizations
- Auto Research Center
- BlueGreen Alliance
- Border Valley Trading LTD
- Boyden Gray & Associates PLLC
- Bridgestone Americas Tire Operations Product Development Group
- California Air Pollution Control Officers Association
- CALPIRG (Public Interest Research Group)
- CALSTART
- Cato Institute
- Center for Auto Safety
- Center for Biological Diversity
- Central States Air Resources Agencies
- Ceres and the Investor Network on Climate Risk (INCR)
- ChargePoint, Inc.
- Clean Air Task Force
- Clean Fuel Development Coalition
- Commission for Environmental Cooperation
- Competitive Enterprise Institute
- Conservation Law Foundation
- Consumer Action
- Consumer Assistance Council of Cape Cod
- Consumer Federation of America

- Consumer Federation of the Southeast
- Consumers for Auto Reliability and Safety
- Consumers Union
- Con-way Inc
- CoPIRG Foundation
- Criterion Economics, L.L.C.
- Crowell Moring
- CSRA
- Dale Kardos & Associates, Inc.
- Dallas Clean Energy LLC
- Dana Holding Corporation
- Defenders of Wildlife
- Ecology Center
- Edison Electric Institute
- Electric Applications Inc.
- Electric Power Research Institute
- Emmett Institute on Climate Change and the Environment
- Empire State Consumer Association
- Environment America
- Environment Illinois
- Environmental Defense Fund
- Environmental Law & Policy Center
- Evangelical Environmental Network
- Evangelical Lutheran Church in America
- FedEx Corporation
- Florida Consumer Action Network
- Florida Power & Light Co.
- FreedomWorks Foundation
- Friends Committee on National Legislation
- Gibson, Dunn & Crutcher LLP
- Greater Washington Interfaith Power and Light c/o Interfaith Conference of Metropolitan Washington
- Growth Energy
- HayDay Farms, Inc.
- Honeywell Transportation Systems
- ICM
- IdleAir
- Illinois Trucking Association

- Illinois Public Interest Research Group
- Indiana Corn Growers Association
- Indiana University
- Ingevity
- Insurance Institute for Highway Safety
- Institute for Policy Integrity at New York University School of Law
- International Council on Clean Transportation
- Jewish Community Relations Council
- Justice and Witness Ministries
- Kirkland & Ellis LLP
- Manufacturers of Emission Controls Association
- Manufacturers of Emission Controls Association
- Maryknoll Office of Global Concerns
- Maryland Consumer Rights Coalition
- Maryland Public Interest Research Group
- Massachusetts Consumers Council
- Massachusetts Public Interest Research Group
- Mercatus Center, George Mason University
- Metro 4/SESARM
- Michigan Tech University
- Mid-America Regional Council
- Mid-Atlantic Regional Air Management Association, Inc.
- Motor & Equipment Manufacturers Association
- National Alliance of Forest Owners
- National Association of Attorneys General
- National Association of Clean Air Agencies (NACAA)
- National Association of Counties
- National Association of Regional Councils
- National Association of Regulatory Utility Commissioners
- National Association of State Energy Officials
- National Automobile Dealers Association
- National Biodiesel Board
- National Conference of State Legislatures
- National Corn Growers Association
- National Council of Churches USA
- National Governors Association
- National Groundwater Association
- National League of Cities

- National Propane Gas Association
- National Wildlife Federation
- Natural Gas Vehicles (NGV) America
- Natural Resources Canada
- Natural Resources Defense Council
- New Jersey Citizen Action
- New Mexico Public Interest Research Group
- New York Corn & Soybean Growers Association
- Northeast Ohio Areawide Coordinating Agency
- Northeast States for Coordinated Air Use Management
- Novation Analytics
- NTEA The Association for the Work Truck Industry
- New York Public Interest Research Group
- Ozone Transport Commission
- Pew Environment Group
- Pierobon & Partners
- Plastics Industry Association
- Podesta GROUP
- Pollution Probe
- Presbyterian Church (USA)
- Public Citizen
- Recreation Vehicle Industry Association
- Renewable Fuels Association
- Republicans for Environmental Protection
- Resources for the Future
- Road Safe America
- Rocky Mountain Institute
- Rubber Manufacturers Association
- Safe Climate Campaign
- Santa Clara Pueblo
- SaviCorp, Inc.
- Securing America's Future Energy
- Sierra Club
- Socially Responsible Investing
- SUN DAY Campaign
- Susquehanna River Basin Commission
- Teamsters Joint Council 25
- Tetlin Village Council

- The Accord Group
- The Aluminum Association, Inc.
- The Council of State Governments
- The Environmental Council of the States
- The Episcopal Church
- The Hertz Corporation
- The Lee Auto Malls
- The Pew Charitable Trusts
- The Truman National Security Project
- The United Methodist Church General
- TIAX LLC
- Trillium Asset Management Corporation
- Truck Manufacturer's Association
- Tufts University
- U.S. Chamber of Commerce
- U.S. Conference of Mayors
- U.S. Public Interest Research Group
- Union for Reform Judaism
- Union of Concerned Scientists
- United Auto Workers
- United Automobile, Aerospace and Agricultural Workers of America (UAW)
- United Church of Christ
- United Steelworkers
- University of Colorado School of Law
- University of Michigan Center for Sustainable Systems
- University of Michigan Transportation Research Institute
- University of Southern California
- Utility Consumers Action Network
- Vermont Public Interest Research Group
- Victims Committee for Recall of Defective Vehicles
- Virginia Citizens Consumer Council
- VNG.CO
- Wayne Stewart Trucking Company
- West Virginia University
- Western Governors' Association
- Western Regional Air Partnership
- Western States Air Resources Council
- Wisconsin Consumers League

- World Auto Steel
- World Resources Institute

H.7 Individuals

Individual commenters are not named in this distribution list for their privacy. NHTSA will provide notification of the availability of this EIS electronically by email to individual commenters who provided an email address.