



Corporate Average Fuel Economy Standards Model Years 2024–2026

Draft Supplemental Environmental Impact Statement

Appendices

August 2021

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U.S. Department of Transportation
**National Highway Traffic Safety
Administration**



APPENDIX A

U.S. Passenger Car and Light Truck Results Reported Separately

*Draft Supplemental Environmental Impact Statement for
Model Year 2024–2026 Corporate Average Fuel Economy Standards*

Table A-1. Fuel Consumption and Increase in Fuel Consumption by Alternative (billion gasoline gallon equivalent total for calendar years 2020–2050)

	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Fuel Consumption				
Cars	1,396	1,339	1,295	1,259
Light trucks	2,114	2,070	2,049	2,023
All light-duty vehicles	3,510	3,409	3,344	3,282
Increase in Fuel Use Compared to the No Action Alternative				
Cars		-56	-101	-136
Light trucks		-44	-65	-91
All light-duty vehicles		-100	-166	-227

Table A-2. Nationwide Criteria Pollutant Emissions (tons/year) in 2025 from Passenger Cars and Light Trucks, by Vehicle Type and Alternative

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Carbon monoxide (CO)				
Cars tailpipe	4,617,681	4,629,635	4,631,017	4,642,635
Cars upstream	41,783	41,788	41,807	41,813
Trucks tailpipe	6,265,873	6,276,084	6,278,888	6,287,866
Trucks upstream	60,358	60,258	60,375	60,443
Total	10,985,695	11,007,764	11,012,087	11,032,757
Nitrogen oxides (NO_x)				
Cars tailpipe	245,158	245,866	245,990	246,648
Cars upstream	80,416	80,390	80,404	80,404
Trucks tailpipe	490,824	491,818	492,098	493,019
Trucks upstream	116,374	116,163	116,370	116,469
Total	932,772	934,237	934,862	936,540
Particulate matter (PM_{2.5})				
Cars tailpipe	7,239	7,256	7,257	7,274
Cars upstream	6,626	6,625	6,627	6,627
Trucks tailpipe	10,118	10,133	10,137	10,149
Trucks upstream	9,582	9,566	9,583	9,592
Total	33,567	33,580	33,603	33,641
Sulfur oxides (SO₂)				
Cars tailpipe	3,121	3,097	3,084	3,076
Cars upstream	41,882	42,049	42,163	42,234
Trucks tailpipe	4,715	4,693	4,691	4,676
Trucks upstream	59,102	59,101	59,289	59,492
Total	108,819	108,940	109,227	109,478
Volatile organic compounds (VOCs)				
Cars tailpipe	357,615	358,797	359,010	360,081
Cars upstream	154,237	153,171	152,602	152,206
Trucks tailpipe	536,074	537,172	537,484	538,506
Trucks upstream	231,192	230,206	230,158	229,491
Total	1,279,119	1,279,347	1,279,253	1,280,284

Table A-3. Nationwide Criteria Pollutant Emissions (tons/year) in 2035 from Passenger Cars and Light Trucks, by Vehicle Type and Alternative

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Carbon monoxide (CO)				
Cars tailpipe	1,706,058	1,696,725	1,678,664	1,672,201
Cars upstream	40,038	39,304	39,508	39,479
Trucks tailpipe	2,734,835	2,748,485	2,751,476	2,752,810
Trucks upstream	57,108	56,540	57,445	58,557
Total	4,538,039	4,541,054	4,527,093	4,523,047
Nitrogen oxides (NO_x)				
Cars tailpipe	70,866	70,854	70,607	70,705
Cars upstream	74,663	73,122	73,224	73,004
Trucks tailpipe	154,973	155,778	156,278	156,901
Trucks upstream	107,425	106,242	107,691	109,478
Total	407,927	405,996	407,800	410,088
Particulate matter (PM_{2.5})				
Cars tailpipe	3,961	3,932	3,881	3,859
Cars upstream	6,258	6,133	6,148	6,134
Trucks tailpipe	6,023	6,052	6,050	6,037
Trucks upstream	8,979	8,883	9,010	9,166
Total	25,222	25,001	25,088	25,196
Sulfur oxides (SO₂)				
Cars tailpipe	2,756	2,604	2,457	2,358
Cars upstream	41,420	41,328	42,586	43,184
Trucks tailpipe	4,409	4,299	4,225	4,138
Trucks upstream	56,182	56,069	57,892	60,101
Total	104,767	104,299	107,160	109,782
Volatile organic compounds (VOCs)				
Cars tailpipe	115,852	115,820	115,367	115,516
Cars upstream	136,980	129,819	123,190	118,698
Trucks tailpipe	198,107	199,184	199,695	200,285
Trucks upstream	216,017	210,702	207,584	203,936
Total	666,956	655,525	645,835	638,435

Table A-4. Nationwide Criteria Pollutant Emissions (tons/year) in 2050 from Passenger Cars and Light Trucks, by Vehicle Type and Alternative

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Carbon monoxide (CO)				
Cars tailpipe	682,515	655,011	623,684	593,888
Cars upstream	43,186	42,088	41,698	41,540
Trucks tailpipe	873,780	873,585	862,951	848,644
Trucks upstream	54,701	54,696	55,237	56,261
Total	1,654,182	1,625,380	1,583,570	1,540,333
Nitrogen oxides (NO_x)				
Cars tailpipe	14,369	13,891	13,342	12,803
Cars upstream	78,615	76,302	75,271	74,655

Appendix A U.S. Passenger Car and Light Truck Results Reported Separately

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Trucks tailpipe	21,369	21,338	21,139	20,881
Trucks upstream	101,746	101,133	101,842	103,310
Total	216,099	212,663	211,594	211,650
Particulate matter (PM2.5)				
Cars tailpipe	1,893	1,820	1,737	1,659
Cars upstream	6,625	6,434	6,352	6,304
Trucks tailpipe	2,616	2,617	2,585	2,539
Trucks upstream	8,542	8,498	8,562	8,691
Total	19,676	19,370	19,235	19,193
Sulfur oxides (SO₂)				
Cars tailpipe	2,201	2,026	1,886	1,755
Cars upstream	48,130	47,511	47,686	48,136
Trucks tailpipe	3,577	3,350	3,274	3,178
Trucks upstream	57,048	58,197	59,327	61,222
Total	110,957	111,084	112,173	114,291
Volatile organic compounds (VOCs)				
Cars tailpipe	31,018	29,896	28,531	27,290
Cars upstream	112,506	104,243	97,762	91,741
Trucks tailpipe	42,276	42,188	41,677	41,009
Trucks upstream	178,123	167,790	164,497	160,400
Total	363,923	344,117	332,466	320,440

Table A-5. Nationwide Toxic Air Pollutant Emissions (tons/year) in 2025 from Passenger Cars and Light Trucks, by Vehicle Type and Alternative

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Acetaldehyde				
Cars tailpipe	2,946	2,954	2,955	2,962
Cars upstream	30	29	29	29
Trucks tailpipe	4,304	4,311	4,313	4,319
Trucks upstream	45	45	45	44
Total	7,325	7,339	7,342	7,355
Acrolein				
Cars tailpipe	165	166	166	166
Cars upstream	4	4	4	4
Trucks tailpipe	218	219	219	219
Trucks upstream	6	6	6	6
Total	394	395	395	395
Benzene				
Cars tailpipe	10,557	10,591	10,598	10,628
Cars upstream	602	598	595	594
Trucks tailpipe	16,708	16,742	16,751	16,783
Trucks upstream	907	902	902	899
Total	28,774	28,833	28,846	28,904
1,3-Butadiene				
Cars tailpipe	1,317	1,321	1,321	1,324

Appendix A U.S. Passenger Car and Light Truck Results Reported Separately

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Cars upstream	6	6	6	6
Trucks tailpipe	1,962	1,966	1,967	1,970
Trucks upstream	10	10	10	10
Total	3,295	3,302	3,304	3,310
Diesel particulate matter (DPM)				
Cars tailpipe	23	23	23	23
Cars upstream	13,912	13,858	13,831	13,812
Trucks tailpipe	12	12	11	12
Trucks upstream	20,545	20,479	20,493	20,469
Total	34,492	34,372	34,359	34,315
Formaldehyde				
Cars tailpipe	2,196	2,202	2,203	2,208
Cars upstream	223	222	221	220
Trucks tailpipe	3,527	3,533	3,535	3,541
Trucks upstream	337	336	336	334
Total	6,283	6,292	6,294	6,304

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

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Acetaldehyde				
Cars tailpipe	1,204	1,200	1,190	1,188
Cars upstream	26	25	23	22
Trucks tailpipe	2,030	2,042	2,046	2,049
Trucks upstream	42	41	40	39
Total	3,303	3,308	3,299	3,299
Acrolein				
Cars tailpipe	68	68	67	67
Cars upstream	4	3	3	3
Trucks tailpipe	105	106	106	106
Trucks upstream	6	6	6	5
Total	183	183	182	181
Benzene				
Cars tailpipe	3,015	3,022	3,022	3,033
Cars upstream	534	505	476	457
Trucks tailpipe	5,525	5,554	5,574	5,599
Trucks upstream	850	828	813	796
Total	9,923	9,908	9,885	9,886
1,3-Butadiene				
Cars tailpipe	475	473	468	466
Cars upstream	6	5	5	5
Trucks tailpipe	770	774	775	776
Trucks upstream	9	9	9	9
Total	1,259	1,261	1,257	1,256
Diesel particulate matter (DPM)				
Cars tailpipe	4	4	4	4
Cars upstream	12,646	12,139	11,770	11,501
Trucks tailpipe	10	12	12	12
Trucks upstream	19,288	18,912	18,830	18,741
Total	31,949	31,067	30,615	30,258
Formaldehyde				
Cars tailpipe	737	736	731	730
Cars upstream	198	187	176	169
Trucks tailpipe	1,309	1,317	1,320	1,323
Trucks upstream	316	308	302	296
Total	2,560	2,547	2,529	2,519

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

Vehicle Class	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Acetaldehyde				
Cars tailpipe	354	342	328	314
Cars upstream	21	19	18	17
Trucks tailpipe	483	481	476	471
Trucks upstream	34	32	31	30
Total	892	874	853	831
Acrolein				
Cars tailpipe	22	21	20	19
Cars upstream	3	3	2	2
Trucks tailpipe	29	29	29	28
Trucks upstream	5	4	4	4
Total	58	57	55	54
Benzene				
Cars tailpipe	464	450	433	417
Cars upstream	427	393	366	341
Trucks tailpipe	655	654	648	641
Trucks upstream	693	648	634	615
Total	2,239	2,145	2,081	2,013
1,3-Butadiene				
Cars tailpipe	145	140	133	127
Cars upstream	5	4	4	4
Trucks tailpipe	185	184	182	180
Trucks upstream	7	7	7	7
Total	342	335	326	317
Diesel particulate matter (DPM)				
Cars tailpipe	0	0	0	0
Cars upstream	11,616	11,011	10,592	10,228
Trucks tailpipe	5	5	5	5
Trucks upstream	16,767	16,173	16,048	15,936
Total	28,388	27,189	26,645	26,169
Formaldehyde				
Cars tailpipe	193	186	178	171
Cars upstream	158	145	135	126
Trucks tailpipe	260	260	257	254
Trucks upstream	257	240	235	228
Total	868	832	805	778

Table A-8. Carbon Dioxide Emissions and Emissions Reductions (MMTCO₂) from All Passenger Cars, 2021–2100 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
Alt. 0 (No Action)	35,300	-	-
Alt. 1	33,400	2,000	6%
Alt. 2	31,800	3,500	10%
Alt. 3	30,500	4,900	14%

Notes:

^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.

MMTCO₂ = million metric tons of carbon dioxide.

Table A-9. Carbon Dioxide Emissions and Emissions Reductions (MMTCO₂) from All Light Trucks, 2021–2100 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
Alt. 0 (No Action)	54,200	-	-
Alt. 1	52,100	2,100	4%
Alt. 2	51,400	2,900	5%
Alt. 3	50,500	3,700	7%

Notes:

^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.

MMTCO₂ = million metric tons of carbon dioxide.

Table A-10. Emissions of Greenhouse Gases (MMTCO₂e per year) from All Passenger Cars by Alternative, Direct and Indirect Impacts ^a

Year	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Carbon dioxide (CO₂)				
2020	553	553	553	553
2040	482	454	429	408
2060	419	390	369	349
2080	416	388	366	347
2100	387	360	341	322
Methane (CH₄)				
2020	17	17	17	17
2040	15	14	13	13
2060	13	13	12	11
2080	13	13	12	11
2100	12	12	11	11
Nitrous oxide (N₂O)				
2020	6	6	6	6
2040	5	4	4	4
2060	4	4	3	3
2080	4	4	3	3
2100	4	3	3	3
Total (all GHGs)				
2020	577	577	577	577
2040	502	472	446	425
2060	436	407	384	364
2080	433	404	381	361
2100	403	375	355	336

Notes:

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

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

Table A-11. Emissions of Greenhouse Gases (MMTCO₂e per year) from All Light Trucks by Alternative, Direct and Indirect Impacts ^a

Year	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Carbon dioxide (CO₂)				
2020	721	721	721	721
2040	733	712	699	684
2060	647	613	603	591
2080	642	609	599	587
2100	597	566	557	546
Methane (CH₄)				
2020	22	22	22	22
2040	22	22	21	21
2060	20	19	19	19
2080	20	19	19	19
2100	19	18	18	17
Nitrous oxide (N₂O)				
2020	8	8	8	8
2040	7	7	7	6
2060	6	6	5	5
2080	6	6	5	5
2100	5	5	5	5
Total (all GHGs)				
2020	751	751	751	751
2040	762	740	727	712
2060	673	638	627	615
2080	668	633	623	611
2100	621	589	580	568

Notes:

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

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

Table A-12. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (GCAM Reference) from Passenger Cars by Alternative, Direct and Indirect Impacts ^a

Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) ^{b, d}			Ocean Acidification (pH) ^e		
	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Totals by Alternative												
Alt. 0 (No Action)	479.04	565.44	789.11	1.287	2.008	3.484	22.87	36.56	76.28	8.4099	8.3476	8.2176
Alt. 1	478.99	565.29	788.74	1.287	2.007	3.483	22.87	36.56	76.25	8.4099	8.3477	8.2178
Alt. 2	478.96	565.19	788.52	1.287	2.007	3.482	22.87	36.55	76.23	8.4100	8.3478	8.2179
Alt. 3	478.93	565.11	788.33	1.287	2.007	3.481	22.87	36.55	76.22	8.4100	8.3478	8.2180
Reductions Under Action Alternatives												
Alt. 1	0.05	0.15	0.37	0.000	0.001	0.002	0.00	0.01	0.03	0.0000	-0.0001	-0.0002
Alt. 2	0.08	0.25	0.58	0.000	0.001	0.002	0.00	0.01	0.05	-0.0001	-0.0002	-0.0003
Alt. 3	0.11	0.33	0.77	0.001	0.002	0.003	0.00	0.01	0.06	-0.0001	-0.0002	-0.0004

Notes:

^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 Section 5.3; 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.

^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; GCAM = Global Change Assessment Model.

Table A-13. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (GCAM Reference) from Light Trucks by Alternative, Direct and Indirect Impacts^a

Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) ^{b, d}			Ocean Acidification (pH) ^e		
	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Totals by Alternative												
Alt. 0 (No Action)	479.04	565.44	789.11	1.287	2.008	3.484	22.87	36.56	76.28	8.4099	8.3476	8.2176
Alt. 1	478.99	565.29	788.74	1.287	2.007	3.483	22.87	36.56	76.25	8.4099	8.3477	8.2178
Alt. 2	478.96	565.19	788.52	1.287	2.007	3.482	22.87	36.55	76.23	8.4100	8.3478	8.2179
Alt. 3	478.93	565.11	788.33	1.287	2.007	3.481	22.87	36.55	76.22	8.4100	8.3478	8.2180
Reductions Under Alternatives												
Alt. 1	0.05	0.15	0.37	0.000	0.001	0.002	0.00	0.01	0.03	0.0000	-0.0001	-0.0002
Alt. 2	0.08	0.25	0.58	0.000	0.001	0.002	0.00	0.01	0.05	-0.0001	-0.0002	-0.0003
Alt. 3	0.11	0.33	0.77	0.001	0.002	0.003	0.00	0.01	0.06	-0.0001	-0.0002	-0.0004

Notes:

^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 Section 5.3; 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.

^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; GCAM = Global Change Assessment Model.

Table A-14. Carbon Dioxide Emissions and Emissions Reductions (MMTCO₂) from All Passenger Cars, 2021–2100 by Alternative, Cumulative Impacts^a

Alternative	Total Emissions	Emissions Reductions Compared to No Action	Percent (%) Emissions Reductions Compared to No Action Alternative Emissions
Alt. 0 (No Action)	35,300	-	-
Alt. 1	33,400	2,000	6%
Alt. 2	31,800	3,500	10%
Alt. 3	30,500	4,900	14%

Notes:

^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.

MMTCO₂ = million metric tons of carbon dioxide.

Table A-15. Carbon Dioxide Emissions and Emissions Reductions (MMTCO₂) from All Light Trucks, 2021–2100 by Alternative, Cumulative Impacts ^a

Alternative	Total Emissions	Emissions Reductions Compared to No Action	Percent (%) Emissions Reductions Compared to No Action Alternative Emissions
Alt. 0 (No Action)	54,200	-	-
Alt. 1	52,100	2,100	4%
Alt. 2	51,400	2,900	5%
Alt. 3	50,500	3,700	7%

Notes:

^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.

MMTCO₂ = million metric tons of carbon dioxide.

Table A-16. Emissions of Greenhouse Gases (MMTCO₂e per year) from All Passenger Cars by Alternative, Cumulative Impacts ^a

Year	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Carbon dioxide (CO₂)				
2020	553	553	553	553
2040	482	454	429	408
2060	419	390	369	349
2080	416	388	366	347
2100	387	360	341	322
Methane (CH₄)				
2020	17	17	17	17
2040	15	14	13	13
2060	13	13	12	11
2080	13	13	12	11
2100	12	12	11	11
Nitrous oxide (N₂O)				
2020	6	6	6	6
2040	5	4	4	4
2060	4	4	3	3
2080	4	4	3	3
2100	4	3	3	3
Total (all GHGs)				
2020	577	577	577	577
2040	502	472	446	425
2060	436	407	384	364
2080	433	404	381	361
2100	403	375	355	336

Notes:

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

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

Table A-17. Emissions of Greenhouse Gases (MMTCO₂e per year) from All Light Trucks by Alternative, Cumulative Impacts ^a

Year	Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Carbon dioxide (CO₂)				
2020	721	721	721	721
2040	733	712	699	684
2060	647	613	603	591
2080	642	609	599	587
2100	597	566	557	546
Methane (CH₄)				
2020	22	22	22	22
2040	22	22	21	21
2060	20	19	19	19
2080	20	19	19	19
2100	19	18	18	17
Nitrous oxide (N₂O)				
2020	8	8	8	8
2040	7	7	7	6
2060	6	6	5	5
2080	6	6	5	5
2100	5	5	5	5
Total (all GHGs)				
2020	751	751	751	751
2040	762	740	727	712
2060	673	638	627	615
2080	668	633	623	611
2100	621	589	580	568

Notes:

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

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

Table A-18. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (GCAM 6.0) from Passenger Cars by Alternative, Cumulative Impacts ^a

Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) ^{b, d}			Ocean Acidification (pH) ^e		
	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Totals by Alternative												
Alt. 0 (No Action)	472.56	546.00	687.29	1.216	1.810	2.838	22.16	35.15	70.22	8.4150	8.3609	8.2723
Alt. 1	472.51	545.85	686.94	1.215	1.810	2.836	22.16	35.14	70.19	8.4150	8.3610	8.2725
Alt. 2	472.48	545.76	686.73	1.215	1.809	2.835	22.16	35.14	70.17	8.4150	8.3610	8.2726
Alt. 3	472.45	545.67	686.55	1.215	1.809	2.834	22.16	35.14	70.15	8.4150	8.3611	8.2727
Reductions Under Alternatives												
Alt. 1	0.05	0.15	0.35	0.000	0.001	0.002	0.00	0.01	0.03	0.0000	-0.0001	-0.0002
Alt. 2	0.08	0.25	0.56	0.000	0.001	0.003	0.00	0.01	0.05	-0.0001	-0.0002	-0.0003
Alt. 3	0.11	0.33	0.74	0.001	0.002	0.003	0.00	0.02	0.07	-0.0001	-0.0002	-0.0004

Notes:

^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 Section 5.3; 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.

^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; GCAM = Global Change Assessment Model.

Table A-19. Carbon Dioxide Concentrations, Global Mean Surface Temperature Increase, Sea-Level Rise, and Ocean Acidification (GCAM 6.0) from Light Trucks by Alternative, Cumulative Impacts ^a

Alternative	CO ₂ Concentration (ppm)			Global Mean Surface Temperature Increase (°C) ^{b, c}			Sea-Level Rise (cm) ^{b, d}			Ocean Acidification (pH) ^e		
	2040	2060	2100	2040	2060	2100	2040	2060	2100	2040	2060	2100
Totals by Alternative												
Alt. 0 (No Action)	472.56	546.00	687.29	1.216	1.810	2.838	22.16	35.15	70.22	8.4150	8.3609	8.2723
Alt. 1	472.51	545.85	686.94	1.215	1.810	2.836	22.16	35.14	70.19	8.4150	8.3610	8.2725
Alt. 2	472.48	545.76	686.73	1.215	1.809	2.835	22.16	35.14	70.17	8.4150	8.3610	8.2726
Alt. 3	472.45	545.67	686.55	1.215	1.809	2.834	22.16	35.14	70.15	8.4150	8.3611	8.2727
Reductions Under Alternatives												
Alt. 1	0.05	0.15	0.35	0.000	0.001	0.002	0.00	0.01	0.03	0.0000	-0.0001	-0.0002
Alt. 2	0.08	0.25	0.56	0.000	0.001	0.003	0.00	0.01	0.05	-0.0001	-0.0002	-0.0003
Alt. 3	0.11	0.33	0.74	0.001	0.002	0.003	0.00	0.02	0.07	-0.0001	-0.0002	-0.0004

Notes:

^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 Section 5.3; 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.

^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; GCAM = Global Change Assessment Model.

APPENDIX B

Air Quality Nonattainment Area Results

Table B-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), 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.04	0.07
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.18	0.39
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.06	0.12
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.02
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.02
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.03	0.09	0.19
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.00	0.01
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	0.01	0.03
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.06	0.11
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.04	0.06	0.12
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.14	0.01	0.08
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Anchorage Area, 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	0.07	0.11	0.20
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.02	0.03
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.08	0.33	0.68
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.02	0.03
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.01
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.07	0.13

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.04	0.06	0.11
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	0.00	0.02
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	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	100	0	0.54	0.64	1.16
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.40	0.48	0.88
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	0.05	0.11
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	0.00	0.01
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	0.18	0.28	0.53
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.18	0.28	0.54
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.97	0.14	0.74
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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.05
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.13	0.01	0.09
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.14	0.01	0.08
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.06	0.14	0.28
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.08	0.18
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.17	0.01	0.10
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.00	0.03
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.02	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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	0.04	0.12
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.02	0.02	0.03
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.03	0.06
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.14	0.17	0.31

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.26	0.31	0.58
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.85	0.73	1.99
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.79	0.80	2.11
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.02	0.02	0.04
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.18	0.23	0.43
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.19	0.24	0.44
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.20	0.25	0.46
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	0.10	0.19
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.12	0.27	0.55
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.08	0.13	0.25
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.11	0.29	0.58
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.11	0.26	0.53
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.06	0.12
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.15	0.20	0.38
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.15	0.19	0.35
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	0.01	0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.05	0.06	0.60
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.00	0.03
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.07	0.08	0.14
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.07	0.10	0.19
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.62	0.86	1.61
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.61	0.85	1.59
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.73	0.08	0.49
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.11	0.41	0.85
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	0.10	0.31	0.64
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.11	0.41	0.85
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.06	0.16	0.33
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.48	1.02
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	0.02	0.07
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.09	0.48	1.02
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	0.01	0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.08	0.00	0.04
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.02
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-1.02	0.05	0.57
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.05	0.01	0.03
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	0.06	0.14
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	0.01	0.05
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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	-0.01	0.01	0.02
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.03	0.05	0.10
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	0.00	0.01
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.14	0.16	0.30
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.14	0.16	0.30
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.27	0.06	0.25
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	0.00	0.03
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	0.00	0.04
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.09	0.11	0.20

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.10	0.11	0.21
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	-0.01	0.00	0.01
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	0.00	0.01
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.99	0.90	3.31
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.00	0.88	3.28
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.01
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.03	0.06
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.03	0.06
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.03	0.06
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.01	0.04
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	0.01	0.03
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.05	0.05	0.10
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	0.00	0.01
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.01	0.01
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.07	0.02	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)	Nonattainment, --	100	0	0.01	0.01	0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	0.01	0.04
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.00	0.03
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	0.01	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, Serious	50	0	-0.56	0.04	0.33
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.56	0.04	0.33
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.07	0.08	0.15
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.08	0.10	0.20
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	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
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.02	0.02	0.05
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.03	0.09	0.66
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-1.04	0.08	0.63
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.04	0.05	0.09
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.09
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.20	0.25	0.46
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.20	0.25	0.46
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.14	0.01	0.08
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.37	0.03	0.24
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	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)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	0.01	0.04
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.01
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.91	1.75	3.43
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.48	0.13	0.50
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.48	0.13	0.50
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.91	1.75	3.43
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.91	1.75	3.43

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.91	1.75	3.43
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.91	1.75	3.43
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.91	1.75	3.43
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.12	0.14	0.25
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.18	0.04	0.18
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	0.01	0.09
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.36	0.41	0.75
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.04	0.05	0.09
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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.11	0.22
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.05	0.14	0.28
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.11	0.13	0.25
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.09	0.34	0.70
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	0.01	0.02
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.01	0.02
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.05
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	0.00	0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	0.00	0.01
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	0.01	0.02	0.03
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	0.01	0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.08	0.09	0.16
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	0.00	0.01
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	0.03	0.06
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.04	1.34	2.48
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.51	0.72	1.36
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	1.02	1.32	2.44
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	1.02	1.32	2.44
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.01
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.02
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.07	0.16	0.31
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.01
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.02	0.00	0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	0.00	0.01
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.50	0.13	0.52
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-0.38	0.50	1.26
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.23	0.66	1.56
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.23	0.66	1.56
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.34	0.40	0.72
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.36	0.42	0.75
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.37	0.43	0.77
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	0.01	0.01
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.03	0.03	0.05
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	0.00	0.02
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.02	0.05
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	0.21	0.44
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.19	0.41
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.11	0.13	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	0.01	0.01	0.01
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.01	0.02
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	0.05	0.11
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.12	0.20	0.40
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	0.01	0.08
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.03	0.04	0.07
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.05	0.11

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.05	0.11
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.03	0.06	0.12
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.90	1.74	3.42
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	-0.13	0.01	0.08
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	0.00	0.01
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	0.15	0.30
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.73	0.18	0.72
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.66	0.28	0.90
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.66	0.28	0.90
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.66	0.27	0.89
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	0.02	0.07
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.08	0.17	0.33
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.10	0.21
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.03	0.10	0.21
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.16	0.20	0.36
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.52	0.10	0.44
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.29	0.37	0.68
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.29	0.37	0.68
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.29	0.37	0.68
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.23	0.82	1.91
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.23	0.82	1.90
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.23	0.83	1.92
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	0.76	1.79
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1.11	0.46	1.51
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-1.11	0.46	1.51
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-1.11	0.46	1.51
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1.10	0.46	1.51
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-1.10	0.46	1.51
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	0.00	0.03
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.05	0.00	0.03

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	0.03	0.05
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.27	0.31	0.57
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.10
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.05	0.11
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.03	0.03	0.06
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.03	0.06
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.03
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.25	0.02	0.14
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	0.01	0.02
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	0.08	0.21
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.23	0.50
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.08	0.28	0.58
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.06	0.01	0.05
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	0.01	0.06
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.03	0.06
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.04	0.08
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
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	0.01	0.01	0.02
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.03	0.00	0.02
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.05	0.00	0.03
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.08	0.15
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	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
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	0.00	0.04
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	0.01	0.06
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	0.00	0.04
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	-0.02	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	-0.03	0.00	0.02
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.05	0.12
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.03	0.06
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.48	0.12	0.47
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.48	0.12	0.47
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, --	100	0	0.01	0.01	0.03
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	0.00	0.04
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	0.00	0.04
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	0.01	0.04
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.07	0.13
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	0.44	0.55	1.01
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.44	0.55	1.01
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.03	0.03	0.05

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.01	0.04
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.06	0.10
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.03
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-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), 2035

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.06	-0.09
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.60	-0.84	0.02
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.12	-0.13
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.04	0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.10	-0.05	0.01
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.60	-0.35	-0.05
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.04	0.02
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.19	-0.08	0.03
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.12	-0.11
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.16	-0.15	-0.11
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.74	-0.62	0.49
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.04	0.02
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.14	-0.07	0.01
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.02	0.01
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.32	-0.27	-0.17
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.04
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.38	-1.34	-0.11
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.04	-0.03
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.13	-0.15

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.14	-0.13	-0.10
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.12	0.09
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.11	-0.04	0.03
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	0.00
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.21	-1.03	-1.51
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.80	-1.12
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.57	-0.27	0.05
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.17	-0.06	0.04
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.70	-0.67	-0.48
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.70	-0.67	-0.49
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-12.73	-4.70	3.36
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.02	0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.09	-0.01
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-1.72	-0.63	0.46
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.72	-0.62	0.48
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.65	-0.44	-0.15
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.06	-0.09
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.87	-0.43	0.05
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.12	-0.76	0.59
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.62	-0.22	0.17
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.01	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.04
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.04	0.01
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.04	0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.05	-0.02	0.01
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.23	-0.50	0.25
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.03	-0.05
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.12	-0.09	-0.03
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.10	-0.29	-0.39

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.20	-0.54	-0.72
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-17.32	-7.22	3.23
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-17.33	-7.32	3.07
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.04	-0.04
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.04
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.22	-0.43	-0.50
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.26	-0.45	-0.52
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.21	-0.45	-0.56
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.25	-0.24	-0.18
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.40	-0.91	-0.27
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.42	-0.35	-0.20
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.58	-0.99	-0.25
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.40	-0.89	-0.25
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.18	-0.07
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.27	-0.40	-0.42
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.20	-0.35	-0.41
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.43	-0.17	0.11
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-12.86	-4.63	3.59
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.65	-0.23	0.18
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.12	-0.19
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.25	-0.24	-0.18
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.51	-1.83	-1.68
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.51	-1.81	-1.65
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-9.24	-3.38	2.50
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.91	-1.65	-0.17
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.03	-1.19	-0.18
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.91	-1.65	-0.17
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-1.00	-0.60	-0.11
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.84	-2.08	-0.07
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.65	-0.27	0.13
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-3.84	-2.08	-0.07
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.95	-0.34	0.26

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.95	-0.34	0.27
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.01	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.05	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-12.45	-4.48	3.49
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.62	-0.23	0.17
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.96	-0.43	0.13
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.95	-0.35	0.26
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.04	-0.06
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.05	-0.02	0.01
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.05	-0.02	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	-0.01	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.03
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.02	0.01
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.05	0.02
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.21	-0.15	-0.06
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.21	-0.08	0.06
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.06	-0.27	-0.39
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.27	-0.39
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-3.73	-1.40	0.94
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.71	-0.26	0.20
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.84	-0.30	0.23
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.19	-0.24

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.18	-0.27
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	-0.11	-0.04	0.03
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.12	-0.04	0.03
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-43.92	-16.86	10.55
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-43.86	-16.81	10.58
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.27	-0.14	0.01
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.27	-0.14	0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.05
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.05
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.27	-0.14	0.01
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.65	-0.24	0.17
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.39	-0.15	0.09
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.08	-0.13
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.28	-0.10	0.08
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	-0.03	0.01
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.03	-0.04
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.05	-0.40	0.26
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)	Nonattainment, --	100	0	0.00	-0.01	-0.02
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.71	-0.26	0.19
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.62	-0.22	0.17
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.28	-0.12	0.05
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-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, Serious	50	0	-6.89	-2.49	1.91
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-6.89	-2.49	1.91
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	-0.13	-0.21
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.22	-0.21
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.03	0.00
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.04	-0.06
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-12.87	-4.68	3.51
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-12.87	-4.66	3.55
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.01	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.09	-0.10
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.10
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.04	-0.06
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.21	-0.45	-0.56
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.45	-0.56
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-1.72	-0.62	0.48
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-4.65	-1.69	1.27
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.04	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)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.46	-0.18	0.11
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-7.15	-5.16	-2.22
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-6.91	-2.64	1.69
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-6.91	-2.64	1.69
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-7.14	-5.16	-2.23
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-7.14	-5.16	-2.23

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-7.15	-5.16	-2.22
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-7.15	-5.16	-2.22
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-7.15	-5.16	-2.22
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.21	-0.33
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.58	-0.97	0.64
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.74	-0.63	0.48
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.02	-0.03
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.01	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.64	-1.01
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.07	-0.12
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	0.00
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.06	-0.02	0.01
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.81	-0.45	-0.02
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.82	-0.50	-0.10
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.23	-0.31
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.41	-1.36	-0.13
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-0.09	0.05
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.23	-0.09	0.05
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.07	-0.04
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.02	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.01	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.01	0.01
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.18	-0.06	0.05
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.18	-0.06	0.05
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.03
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.01	0.01
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.02	-0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.02	-0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.13	-0.22
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.13	-0.05	0.04
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.07	-0.06
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.51	-2.55	-2.86
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.42	-1.59	-1.36
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.54	-2.53	-2.80
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-1.54	-2.53	-2.80
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.04	0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.76	-0.51	-0.17
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.02	-0.01
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.02	-0.01
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.02	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.03	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.25	-0.09	0.07
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.25	-0.09	0.07
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.01	-0.01
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.01	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.02	-0.02
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.01
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.18	-2.74	1.76
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-9.42	-4.08	1.51
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-9.47	-4.35	1.12
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-9.47	-4.35	1.12
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.04	-0.62	-0.97
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.64	-1.01
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.66	-1.04
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.02	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	-0.01	-0.01
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-0.04	-0.07
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.09	0.06
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.10	-0.07	-0.03
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.82	-0.95	0.02
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.77	-0.91	0.05
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.22	-0.31
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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.02	-0.03
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.41	-0.22	-0.01
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.74	-0.57	-0.29
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.64	-0.59	0.46
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.05	-0.07	-0.08
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.04	-0.07
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.31	-0.19	-0.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.31	-0.19	-0.04
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.31	-0.20	-0.06
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-7.15	-5.15	-2.20
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	-1.60	-0.58	0.44
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.04	0.03
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.83	-0.52	-0.13
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-10.36	-3.93	2.57
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-10.46	-4.11	2.36
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-10.46	-4.11	2.36
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-10.47	-4.10	2.37
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.04	-0.06
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.74	-0.29	0.16
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.76	-0.52	-0.19
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.74	-0.41	-0.04
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.74	-0.41	-0.04
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.34	-0.45
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-7.06	-2.64	1.82
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.33	-0.67	-0.81
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.35	-0.68	-0.81
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.35	-0.68	-0.80
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-11.04	-5.13	1.19
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-11.04	-5.13	1.19
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-11.04	-5.14	1.17
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.95	-5.01	1.31
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-17.59	-6.91	3.97
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-17.59	-6.91	3.97
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-17.59	-6.91	3.97
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-17.52	-6.88	3.95
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-17.52	-6.88	3.95
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.65	-0.23	0.18
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.65	-0.23	0.18

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.01	0.01
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.05	-0.06	-0.05
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.49	-0.76
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.11
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.01
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.01
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.01
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.41	-0.22	-0.01
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	-0.05	-0.08
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.05	-0.08
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.03
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.01	-1.08	0.84
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.16	-0.06	0.03
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-1.87	-0.78	0.35
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.92	-1.03	-0.02
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.92	-1.10	-0.13
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.81	-0.30	0.21
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.80	-0.30	0.20
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.07	-0.07
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	0.00
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.07	-0.11
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.07	-0.03	0.00
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.03
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.41	-0.15	0.11
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.02
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.64	-0.23	0.18
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.13	-0.21
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.04	0.01
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	0.00
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.90	-0.32	0.25
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.30	-0.47	0.36
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.02	0.01
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.91	-0.33	0.25
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	-0.10	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	-0.40	-0.15	0.11
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.47	-0.25	0.00
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.05	-0.08
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-6.75	-2.56	1.68
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-6.75	-2.56	1.68
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.03	0.02
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.05	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.89	-0.32	0.25
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.90	-0.33	0.25
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.91	-0.33	0.25
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.14	-0.15
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-0.44	-0.99	-1.23
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.44	-0.99	-1.23
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.04	-0.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.02
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.65	-0.24	0.17
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.11	-0.11
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.04	-0.05
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.03
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.06	-0.02
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.04
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.02

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-3. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Particulate Matter (PM_{2.5}), 2050

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.21	-0.33
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.05	-2.75	-2.77
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.21	-0.42	-0.60
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.15	-0.14
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.12	-0.15	-0.14
Allegheny County, PA	PM _{2.5} (2012 Annual)	Nonattainment, Moderate	100	0	-0.82	-1.17	-1.26
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.12	-0.09
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.22	-0.26	-0.23
Allentown, PA	PM _{2.5} (2006 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.41	-0.56
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.30	-0.52	-0.68
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.84	-1.99	-1.35
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.13	-0.11
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.17	-0.22	-0.21
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.05	-0.04
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.55	-0.91	-1.16
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.04
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.12	-0.18
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.16	-4.39	-4.62
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.14	-0.18
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-0.05
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.22	-0.45	-0.67

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.25	-0.44	-0.58
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.35	-0.39	-0.27
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.12	-0.13	-0.09
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.02
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-1.50	-3.56	-5.68
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.18	-2.74	-4.33
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.69	-0.88	-0.83
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.20	-0.14
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-1.30	-2.25	-2.95
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-1.31	-2.26	-2.97
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-13.64	-15.02	-10.64
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.05	-0.04
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.29	-0.31
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-1.83	-2.00	-1.40
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.81	-1.96	-1.33
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.96	-1.45	-1.69
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	-0.21	-0.33
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.07	-1.40	-1.35
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.24	-2.43	-1.65
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.66	-0.72	-0.49
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.02
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.14	-0.20
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.13	-0.11
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.13	-0.11
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.06	-0.07	-0.07
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.38	-1.60	-1.28
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	-0.10	-0.16
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.18	-0.28	-0.34
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.44	-0.99	-1.54

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.84	-1.86	-2.88
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-19.65	-23.28	-19.20
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-19.79	-23.63	-19.78
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.14	-0.20
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.07
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.12	-0.18
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.70	-1.46	-2.17
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.75	-1.55	-2.28
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.72	-1.55	-2.33
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.46	-0.81	-1.06
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.02	-3.01	-3.42
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.71	-1.16	-1.45
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-2.24	-3.28	-3.66
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.00	-2.95	-3.34
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.39	-0.61	-0.72
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.70	-1.37	-1.97
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.58	-1.20	-1.78
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.47	-0.53	-0.39
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-13.62	-14.77	-10.07
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.69	-0.75	-0.51
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.17	-0.42	-0.69
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.46	-0.81	-1.06
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.32	-6.19	-8.59
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.29	-6.13	-8.48
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-9.85	-10.78	-7.51
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.88	-5.41	-5.72
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.76	-3.92	-4.22
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.88	-5.41	-5.72
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-1.38	-1.98	-2.16
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.00	-6.83	-7.03
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.73	-0.86	-0.70
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.00	-6.84	-7.04
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.01	-1.10	-0.75

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.01	-1.09	-0.74
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.01	-0.01	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.02
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	-0.01
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.16	-0.16
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-13.17	-14.26	-9.69
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.66	-0.72	-0.51
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.12	-1.38	-1.22
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.01	-1.11	-0.77
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.12	-0.20
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.05	-0.06	-0.05
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.06	-0.07	-0.06
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	-0.01	-0.02	-0.03
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.12	-0.17
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.05	-0.04
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.17	-0.14
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.32	-0.50	-0.60
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.22	-0.24	-0.17
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.39	-0.92	-1.46
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.39	-0.92	-1.46
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-4.03	-4.49	-3.27
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.75	-0.81	-0.56
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.89	-0.97	-0.66
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.29	-0.64	-0.99

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.25	-0.62	-1.01
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	-0.12	-0.13	-0.10
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.12	-0.14	-0.09
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-47.90	-54.04	-40.40
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-47.80	-53.86	-40.18
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.34	-0.46	-0.46
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.34	-0.46	-0.46
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.15	-0.23
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.07	-0.15	-0.23
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.34	-0.46	-0.46
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.69	-0.76	-0.54
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.43	-0.49	-0.38
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.11	-0.28	-0.46
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.30	-0.33	-0.23
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.08	-0.11	-0.10
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.09	-0.15
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.13	-1.27	-0.93
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)	Nonattainment, --	100	0	-0.01	-0.03	-0.06
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.76	-0.83	-0.59
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.66	-0.72	-0.49
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.39	-0.33
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
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, Serious	50	0	-7.31	-7.94	-5.44
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-7.31	-7.94	-5.44
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.06
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.06
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.06

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.17	-0.45	-0.74
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.39	-0.74	-1.04
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.10	-0.10
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.06	-0.14	-0.22
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-13.70	-14.94	-10.35
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-13.66	-14.85	-10.21
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.03
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.04
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.16	-0.32	-0.46
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.16	-0.32	-0.46
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.12	-0.20
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.73	-1.55	-2.33
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.72	-1.55	-2.33
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-1.81	-1.96	-1.33
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.12
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-4.95	-5.40	-3.74
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.12	-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)	Nonattainment, Moderate	100	0	-0.02	-0.05	-0.08
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.50	-0.57	-0.44
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-0.05
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-11.02	-17.17	-20.49
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-7.51	-8.44	-6.26
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-7.51	-8.44	-6.26
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-11.01	-17.15	-20.48
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-11.01	-17.15	-20.48

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-11.02	-17.17	-20.49
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-11.02	-17.17	-20.48
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-11.02	-17.17	-20.49
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.28	-0.72	-1.19
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.10
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.79	-3.12	-2.28
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.85	-2.02	-1.39
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.05	-0.09
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.05	-0.06
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.87	-2.21	-3.62
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.10	-0.25	-0.42
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.02	-0.02
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.02
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.07	-0.08	-0.06
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.08
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.07	-1.47	-1.52
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.13	-1.64	-1.80
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.35	-0.79	-1.22
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.21	-4.47	-4.72
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.30	-0.24
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.30	-0.24
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.23	-0.28
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.07
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.04
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.03	-0.02
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.19	-0.20	-0.14
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.19	-0.20	-0.14
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.10	-0.15
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.03	-0.02
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.06	-0.08
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.05	-0.08	-0.11
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.08	-0.11
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.18	-0.46	-0.76
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.14	-0.16	-0.11
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.23	-0.32
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-4.28	-8.70	-12.77
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-2.94	-5.37	-7.32
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-4.27	-8.62	-12.60
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-4.26	-8.62	-12.59
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.13	-0.13
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.12	-1.68	-1.93
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.07
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.07
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.06	-0.05
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.10	-0.12
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.26	-0.29	-0.20
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.26	-0.29	-0.20
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.04	-0.05
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.02	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.08	-0.10
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.05	-0.07
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.81	-8.77	-6.49
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-10.88	-13.18	-11.31
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-11.28	-14.11	-12.80
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-11.27	-14.11	-12.80
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.84	-2.13	-3.50
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.88	-2.22	-3.64
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.90	-2.28	-3.74
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.07	-0.05
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	-0.03	-0.04
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.15	-0.25
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.29	-0.21
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.15	-0.23	-0.28
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-2.33	-3.13	-3.14
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.23	-2.97	-2.95
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.01
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.02
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.33	-0.77	-1.21
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	-0.01	-0.04	-0.06
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.05	-0.09
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.53	-0.74	-0.77
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.19	-1.90	-2.33
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.73	-1.88	-1.28
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.13	-0.25	-0.35
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.15	-0.25
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.44	-0.63	-0.69

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.44	-0.63	-0.69
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.45	-0.67	-0.76
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-11.01	-17.13	-20.42
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	-1.70	-1.85	-1.28
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.12	-0.13	-0.09
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.17	-1.72	-1.92
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-11.23	-12.57	-9.23
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-11.54	-13.20	-10.16
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-11.54	-13.20	-10.16
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-11.53	-13.17	-10.12
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.13	-0.21
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.82	-0.94	-0.73
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1.13	-1.72	-2.01
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.98	-1.36	-1.43
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.98	-1.36	-1.43
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.53	-1.18	-1.82
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-7.60	-8.43	-6.07
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.09	-2.29	-3.44
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.11	-2.33	-3.47
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.11	-2.32	-3.46
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-13.23	-16.69	-15.31
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-13.23	-16.68	-15.30
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-13.25	-16.72	-15.37
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.01	-16.26	-14.71
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-19.39	-22.17	-17.06
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-19.39	-22.17	-17.06
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-19.39	-22.17	-17.06
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-19.31	-22.09	-17.01
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-19.31	-22.09	-17.01
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.69	-0.75	-0.51
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.69	-0.75	-0.51

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.03
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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	-0.02	-0.03
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.11	-0.20	-0.28
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.69	-1.70	-2.77
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.34	-0.50
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.07
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.07
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.06	-0.07
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.53	-0.74	-0.77
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.07	-0.18	-0.29
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.18	-0.30
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.09	-0.13
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.19	-3.46	-2.36
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.20	-0.17
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-2.12	-2.51	-2.07
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.48	-3.38	-3.46
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-2.58	-3.61	-3.84
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.87	-0.96	-0.68
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.87	-0.97	-0.72
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.24	-0.34
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.23	-0.38
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.02
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.08	-0.11	-0.11
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.05	-0.09
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.43	-0.47	-0.32
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.06	-0.09
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.68	-0.73	-0.50
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.17	-0.44	-0.73
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.12	-0.11
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
New Madrid County, MO	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	-0.01	-0.01
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.95	-1.03	-0.70
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.37	-1.49	-1.02
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.06	-0.04
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.96	-1.04	-0.70
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	-0.28	-0.32	-0.25
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.43	-0.47	-0.33
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.60	-0.81	-0.82
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.17	-0.28
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-7.31	-8.18	-6.01
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-7.31	-8.18	-6.01
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.08	-0.06
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.11	-0.17	-0.19
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.05	-0.06
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.94	-1.02	-0.69
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.96	-1.04	-0.71
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.97	-1.05	-0.72
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.24	-0.47	-0.68
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-1.57	-3.37	-5.11
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-1.57	-3.37	-5.11
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.06	-0.15	-0.25

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County; Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.06
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.70	-0.77	-0.55
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.05
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.39	-0.55
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.13	-0.20
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.06	-0.09
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.19	-0.22
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.12	-0.18
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.10

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-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), 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.06	-0.09
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.21	0.94	1.54
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	0.01	0.04
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.04	0.07
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	1.02	3.03	4.84
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.05	0.08
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.02	0.09	0.14
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.02	-0.01
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	0.04	0.09
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	3.89	10.94	17.36
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02
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	-0.12	-0.15	-0.20
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	0.00	0.00
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.77	2.78	4.51
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.03	0.05
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.09	-0.12	-0.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	0.06	0.11
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.05	0.08
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.01	0.02	0.04
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.77	-0.97	-1.33
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.58	-0.71	-0.96
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.10	0.17
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.10	0.23	0.46
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.11	0.23	0.45
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	25.14	70.85	112.42
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, --	100	0	0.00	0.00	-0.01
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.03
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	3.04	8.58	13.61
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	3.05	8.59	13.63
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.04	0.36	0.62
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.06	-0.09
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	0.11	0.20
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.30	0.83	1.32
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.52	1.47	2.33
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.03
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	0.01	0.02
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.19	0.61	0.98
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.04	-0.06
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.20	-0.24	-0.33

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.31	-0.29	-0.35
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	3.65	11.53	18.51
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	3.57	11.43	18.37
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.03
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.03
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.04	3.37	5.41
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	1.04	3.37	5.42
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.31	-0.40	-0.55
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.12	0.53	0.87
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.15	0.92	1.55
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.12	0.59	0.97
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.21	1.13	1.89
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.16	0.93	1.57
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.02	-0.02
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.15	-0.04	0.00
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.15	-0.08	-0.06
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.12	0.36	0.57
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.46	9.75	15.47
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.08	0.21	0.34
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	0.13	0.24
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.12	0.53	0.87
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.11	1.92	3.33
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.12	1.94	3.36
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	1.17	3.35	5.33
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	0.69	1.23
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	0.05	0.72	1.24
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.02	0.69	1.23
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.10	0.59	0.99
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.23	4.35	7.05
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.27	0.80	1.28
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.23	4.34	7.05
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.13	0.35	0.56

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.13	0.36	0.57
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.10	0.16
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	3.35	9.43	14.95
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.07	0.21	0.33
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.06	0.27	0.44
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.12	0.35	0.56
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.04	-0.05
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.01	0.01
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.04	0.06
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	0.03	0.06
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	-0.01
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.02	-0.02
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.04	0.07
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.07	0.12
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.06	-0.08
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.06	0.09
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.18	-0.21	-0.28
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.18	-0.21	-0.28
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	0.80	2.32	3.70
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.54	1.53	2.42
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.56	1.58	2.50
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.15	-0.20

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.17	-0.22
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	0.01	0.03	0.04
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.03	0.05
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	29.15	83.33	132.43
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	29.17	83.35	132.46
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.05	-0.07
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.05	-0.07
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.06
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.06
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.05	-0.07
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.07	0.20	0.32
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.99	2.79	4.42
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.07	-0.09	-0.12
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.02	0.05	0.08
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.55	1.56	2.48
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)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.54	1.52	2.41
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.52	1.47	2.33
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.97	2.76	4.38
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-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, Serious	50	0	2.65	7.46	11.84
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	2.65	7.46	11.84
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.10	-0.12	-0.17
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.13	-0.17
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.06	0.21	0.35
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.42	9.70	15.40
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	3.44	9.73	15.44
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.05	-0.04	-0.05
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.04	-0.05
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.05
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.31	-0.40	-0.55
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.31	-0.40	-0.55
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.03	0.05
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	3.05	8.59	13.63
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	1.06	3.01	4.78
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.02	0.05	0.08
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)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.02
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.02	0.03
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.48	4.62	7.90
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	2.51	7.27	11.56
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	2.51	7.27	11.56
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.48	4.61	7.89
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.48	4.61	7.89

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.48	4.62	7.90
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.48	4.62	7.91
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.48	4.62	7.90
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.17	-0.22	-0.31
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.19	3.42	5.43
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.89	10.96	17.38
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.52	-0.69	-0.96
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.08	-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, Marginal	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.08	0.23	0.36
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.02
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.10	0.47	0.77
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.06	0.41	0.70
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.17	-0.23	-0.31
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.76	2.76	4.49
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.05
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.04
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.04
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	-0.02	-0.02	-0.03
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.03	0.04
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.11	-0.15	-0.20
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.04	0.11	0.18
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.05	0.20	0.32
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.49	-1.66	-2.18
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.71	-0.63	-0.76
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.45	-1.57	-2.06
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-1.44	-1.57	-2.06
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.01
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.73	2.35	3.79
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.30	1.05	1.70
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.66	2.72	4.47
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.45	2.45	4.09
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.45	2.45	4.09
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.51	-0.67	-0.93
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.53	-0.70	-0.96
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.71	-0.99
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.04
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	-0.01
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.05	-0.07
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.07	0.11
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	0.02	0.03
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	1.46	4.48	7.18
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	1.48	4.50	7.21
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.15	-0.19
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	-0.01	-0.01	-0.02
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.02	-0.02
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.68	2.02	3.22
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	0.25	0.46
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.10	3.10	4.91
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.03	-0.04
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.05	-0.07
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.06	-0.09	-0.12

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.06	-0.09	-0.12
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.10	-0.14
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.49	4.64	7.92
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	0.27	0.78	1.23
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.01	0.02
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	0.20	0.37
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.97	11.43	18.17
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	3.85	11.27	17.95
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	3.85	11.27	17.95
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	3.85	11.27	17.96
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.04	-0.06
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.91	2.58	4.10
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.72	2.34	3.76
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.80	2.45	3.92
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.80	2.45	3.92
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	0.27	0.50
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	2.58	7.38	11.72
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-0.62	-0.85
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.47	-0.62	-0.86
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.47	-0.62	-0.85
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	3.17	10.38	16.73
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	3.17	10.38	16.73
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	3.16	10.37	16.71
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.24	10.47	16.85
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	6.47	18.93	30.15
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	6.47	18.93	30.15
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	6.47	18.93	30.15
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	6.45	18.88	30.08
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	6.45	18.88	30.08
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.34	0.96	1.52
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.34	0.96	1.52

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.14	0.22
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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	-0.01
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.02	-0.02
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.39	-0.50	-0.70
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.06	-0.08
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.68	2.02	3.22
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.04	-0.06	-0.08
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.08
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	0.00	0.01
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.57	4.42	7.01
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	3.82	10.86	17.26
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	3.65	10.68	17.02
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	3.59	10.61	16.92
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.60	1.71	2.72
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.63	1.79	2.85
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.05	-0.07
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.03	0.05
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.07	-0.10
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.75	2.11	3.34
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.07	0.21	0.33
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.11	-0.14	-0.20
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.03
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.01	0.01
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.20	3.39	5.37
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.04	2.93	4.64
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.04	0.07
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.08	3.04	4.82
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.01	0.01
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.07	0.20	0.33
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	1.61	4.53	7.19
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.68	2.02	3.23
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	0.00	0.01
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	2.55	7.33	11.66
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	2.55	7.33	11.66
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, --	100	0	-0.01	-0.01	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.48	1.35	2.14
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.48	1.35	2.14
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.48	1.35	2.14
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.10	-0.14
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-0.67	-0.83	-1.13
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.67	-0.83	-1.14
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.05	-0.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.29	0.83	1.32
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.01	0.01
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.03
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.02
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.04
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.02

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-5. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.27	-0.51	-0.70
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.82	5.20	11.68
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.51	-0.10	0.29
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.06	-0.06
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	0.24	0.53
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-2.06	18.31	36.92
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	0.32	0.64
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	0.51	1.08
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.44	-0.29	-0.13
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.54	0.06	0.64
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.79	67.17	132.71
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	0.00	0.03
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.09	-0.11	-0.13
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.03	0.06
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.78	-1.25	-1.62
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.06	-0.09
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.15	-0.07	0.01
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.78	16.03	34.23
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.16	0.11	0.37
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.07	-0.10
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.52	-0.95	-1.31

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.47	0.17	0.77
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	0.29	0.59
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	0.14	0.28
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	0.12	0.25
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-4.70	-7.97	-10.64
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.56	-5.87	-7.74
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.05	-0.07
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.40	0.47	1.28
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	0.13	0.26
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-2.33	0.55	3.30
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-2.35	0.51	3.26
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-31.69	434.69	859.48
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	0.01	0.02
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.05
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.23	-0.28
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-3.82	52.62	104.03
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-3.76	52.73	104.18
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.26	1.79	4.62
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.27	-0.51	-0.70
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.68	0.44	1.50
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.37	5.11	10.10
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.64	9.02	17.81
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.15	-0.19	-0.22
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.04	-0.04
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.04	-0.04
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	0.05	0.13
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.57	3.63	7.47
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.14	-0.25	-0.35
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.21	-0.35	-0.47
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-1.26	-2.01	-2.61

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-2.41	-2.75	-2.91
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-10.39	68.70	141.04
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-10.87	67.85	139.89
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.15	-0.19	-0.22
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.11	-0.15
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.20	-0.25
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.33	19.93	41.22
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-3.41	19.91	41.27
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1.84	-3.25	-4.41
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.04	2.92	6.57
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.57	4.79	11.63
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.30	3.19	7.34
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-2.76	6.07	14.25
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.50	4.91	11.79
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.04
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-0.33	-0.17
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.61	-0.89	-0.13
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-1.48	-1.07	-0.60
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.21	2.17	4.34
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.34	59.82	118.27
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.03	0.05
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	1.30	2.57
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.70	0.57	1.76
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.04	2.92	6.57
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-7.73	9.10	24.84
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-7.64	9.27	25.06
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.77	20.45	40.71
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.52	2.98	9.09
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.77	3.46	9.27
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.52	2.98	9.09
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-1.55	3.13	7.47
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.66	25.21	53.54
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.53	4.85	9.76
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.67	25.19	53.51
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.17	2.17	4.31

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.16	2.19	4.32
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-0.04
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	0.56	1.19
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-4.14	57.86	114.33
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.12	1.26	2.51
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.56	1.47	3.35
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	2.15	4.28
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.17	-0.32	-0.44
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.04	0.08
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.03	0.22	0.45
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.04	0.20	0.42
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.17	-0.19
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	0.26	0.52
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	0.44	0.92
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.38	-0.54	-0.66
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.07
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	0.36	0.72
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.22	-1.80	-2.26
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-1.22	-1.81	-2.26
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-1.36	14.13	28.26
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.68	9.36	18.51
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.70	9.68	19.14
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.80	-1.26	-1.63

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.85	-1.37	-1.80
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	0.15	0.31
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	0.18	0.37
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-42.29	509.28	1,011.97
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-42.14	509.47	1,012.19
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.05	-0.07
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.05	-0.07
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.21	-0.39	-0.53
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.39	-0.53
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.18	-0.33	-0.45
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.18	-0.33	-0.45
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.21	-0.38	-0.52
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	1.22	2.43
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.28	17.07	33.80
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.39	-0.71	-0.99
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.03	0.31	0.63
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.04	-0.04
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.23	-0.32
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.79	9.55	18.97
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)	Nonattainment, --	100	0	-0.05	-0.09	-0.12
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.70	9.31	18.44
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.65	9.01	17.81
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.30	16.88	33.45
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.35	45.77	90.50
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.35	45.77	90.50
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.04
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.11
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.11
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.05	-0.09	-0.12

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.63	-1.03	-1.35
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.78	-1.13	-1.40
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.07	-0.09
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.29	1.24	2.65
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.57	59.42	117.72
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.04	-0.05
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.45	59.63	118.01
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.04	-0.06
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.37	-0.39	-0.38
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.37	-0.39	-0.38
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.32	-0.44
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.84	-3.25	-4.41
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.84	-3.25	-4.41
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	0.18	0.38
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-3.76	52.73	104.18
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.10	-0.08	-0.05
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.44	18.45	36.57
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	0.32	0.64
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.13	-0.18
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	0.08	0.24
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	0.00	0.05
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-15.89	22.94	59.13
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-4.01	44.28	88.30
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-4.01	44.28	88.30
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-15.90	22.90	59.05
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-15.90	22.90	59.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-15.90	22.94	59.12
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-15.89	22.95	59.14
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-15.89	22.94	59.13
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.00	-1.80	-2.46
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.08	-0.12	-0.16
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.76	20.88	41.51
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.83	67.25	132.90
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.08	-0.14	-0.20
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.09
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-3.04	-5.55	-7.65
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.35	-0.64	-0.89
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.11	1.40	2.79
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.12	-0.17
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.03	2.54	5.84
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.27	2.10	5.24
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.99	-1.82	-2.51
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.86	15.92	34.09
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.10	-0.13
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.10	-0.13
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.31	-0.42
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.03	0.11
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	0.13	0.27
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	0.15	0.30
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.05	-0.06
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.19	-0.26
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	0.17	0.34
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.09	-0.12
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.08	-0.12	-0.15
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.12	-0.15
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.64	-1.18	-1.63
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	0.70	1.39
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.34	1.11	2.45
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-10.05	-14.38	-17.69
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-5.50	-6.11	-6.32
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-9.91	-13.81	-16.73
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-9.90	-13.80	-16.71
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.03	0.01	0.04
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.06
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.10	-0.13
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.27	13.97	28.83
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.11
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.11
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.01	0.01
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.11	-0.13
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.03	-0.02
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.02	0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.03	0.01
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.09
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.30	6.11	12.91
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-4.90	15.26	33.84
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-6.13	13.04	30.79
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-6.13	13.04	30.79
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.93	-5.36	-7.39
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-3.05	-5.58	-7.69
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.13	-5.73	-7.89
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.14	0.28
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	-0.04	-0.07	-0.09
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.04
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.21	-0.39	-0.54
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.40	0.81
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.19	0.03	0.25
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-3.57	26.90	54.75
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.43	27.08	54.95
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	0.01	0.02
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.02	-1.32	-1.52
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	-0.05	-0.09	-0.13
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.08	-0.14	-0.19
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1.31	12.24	24.60
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.74	0.90	3.39
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.36	19.01	37.55
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.28	-0.31	-0.33
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.21	-0.39	-0.53
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.04	-0.05
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.38	-0.69	-0.94

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.38	-0.69	-0.94
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.44	-0.80	-1.11
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-15.84	23.05	59.28
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	-0.37	4.76	9.44
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	0.08	0.16
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.27	0.77	2.70
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.10	69.72	138.83
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-6.82	68.42	137.06
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-6.82	68.42	137.06
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-6.78	68.49	137.15
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.18	-0.33	-0.46
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-1.28	15.81	31.37
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-2.34	13.84	28.66
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.86	14.72	29.87
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-1.87	14.72	29.87
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.71	1.04	3.64
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.77	45.08	89.60
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.69	-4.93	-6.81
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.70	-4.95	-6.83
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.69	-4.94	-6.81
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-10.80	61.28	127.29
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-10.79	61.29	127.31
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-10.85	61.19	127.17
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.35	62.04	128.31
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-11.44	114.95	230.24
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-11.44	114.95	230.24
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-11.44	114.95	230.24
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-11.42	114.65	229.66
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-11.42	114.65	229.66
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.42	5.88	11.61
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.42	5.88	11.61

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	0.84	1.67
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.06
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.22	-0.19	-0.15
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-2.31	-4.09	-5.56
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.39	-0.55	-0.68
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.05	-0.09	-0.12
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.05	-0.09	-0.12
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.09	-0.12
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.06
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.31	12.24	24.60
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	0.01	0.04
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.24	-0.45	-0.61
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.25	-0.45	-0.62
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.11	-0.02	0.07
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.95	27.10	53.56
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.02	0.00
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-5.33	66.46	131.89
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-6.50	64.87	129.99
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-6.82	64.29	129.19
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.79	10.48	20.75
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.87	10.98	21.79
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.25	-0.43	-0.58
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	0.19	0.39
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.32	-0.58	-0.81
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.02	-0.02
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.05	-0.09	-0.12
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.14	-0.19
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.01	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.93	12.94	25.57
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.12	-0.16
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	1.26	2.50
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.61	-1.13	-1.56
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	0.07	0.19
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.03	0.06
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	0.04	0.09
New Madrid County, MO	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	-0.01	-0.02	-0.02
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.48	20.80	41.09
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.29	17.97	35.51
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	0.26	0.51
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.33	18.64	36.83
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.00	0.03	0.06
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	1.24	2.49
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.00	27.83	55.00
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.31	12.26	24.64
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.09	0.07
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.92	44.75	89.11
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-3.92	44.75	89.11
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.11	-0.12	-0.12
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	-0.01
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.06	-0.07
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.59	8.30	16.40
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.60	8.29	16.38
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.60	8.28	16.38
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.53	-0.86	-1.13
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-4.06	-6.83	-9.09
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-4.06	-6.83	-9.09
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.21	-0.39	-0.54

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.08	-0.11
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.40	5.07	10.06
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.08	-0.11
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.02
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.45	-0.21	0.03
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.17	-0.23	-0.28
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.06
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.15	-0.20
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.15	-0.16
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.14	-0.25	-0.35
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.13	-0.18

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-6. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.42	-0.65	-0.88
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.57	1.80	6.86
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.56	-0.60	-0.40
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.10	-0.12
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	0.09	0.32
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	2.57	10.89	26.25
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.19	0.46
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.24	0.70
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.54	-0.67	-0.65
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.55	-0.52	-0.16
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	12.36	42.83	97.59
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.04	-0.02
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.12	-0.17	-0.21
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	-1.15	-1.70	-2.23
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.08	-0.11
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.17	-0.20	-0.17
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.17	7.48	22.04
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.13	-0.08	0.09
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.09	-0.13
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.79	-1.21	-1.66

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.45	-0.37	0.03
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.17	0.41
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.02	0.08	0.20
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.07	0.18
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-7.02	-10.57	-14.09
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.27	-7.88	-10.42
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.09
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.30	-0.08	0.50
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.07	0.18
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-2.31	-2.04	-0.30
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-2.34	-2.08	-0.35
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	79.22	276.42	631.24
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	0.00
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.04	-0.06
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.23	-0.33	-0.42
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	9.61	33.49	76.43
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	9.70	33.62	76.61
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.86	-0.03	2.06
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.42	-0.65	-0.88
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.60	-0.39	0.33
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.94	3.26	7.43
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.66	5.75	13.10
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.30	-0.36
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.06	-0.07
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.06	-0.07
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	0.01	0.07
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.34	2.00	5.13
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.21	-0.32	-0.44
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.31	-0.46	-0.62
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-1.84	-2.74	-3.59

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-3.24	-4.46	-5.24
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	6.86	38.09	97.19
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	6.13	36.98	95.70
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.30	-0.36
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.13	-0.18
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.21	-0.30	-0.38
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.66	10.72	28.05
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	1.57	10.63	27.99
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-2.78	-4.22	-5.70
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.33	1.00	3.85
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.47	0.74	5.90
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.55	0.91	4.12
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.33	1.45	7.72
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.36	0.89	6.11
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.06
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.58	-0.72	-0.71
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.93	-2.31	-2.09
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-1.83	-2.30	-2.29
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.34	1.33	3.12
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	10.93	38.07	86.89
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.02	0.04
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.24	0.83	1.89
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.58	-0.32	0.52
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.33	1.00	3.85
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-5.78	-1.56	9.85
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.64	-1.35	10.14
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	3.43	12.71	29.57
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.94	-1.54	2.75
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.02	-0.42	3.82
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.94	-1.54	2.75
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.82	0.62	3.92
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.57	12.05	34.78
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.70	2.90	6.96
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.56	12.03	34.75
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.39	1.37	3.15

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.40	1.39	3.17
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.05
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.02
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.28	0.78
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	10.63	36.88	84.07
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.20	0.77	1.82
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.21	0.46	1.92
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.37	1.34	3.11
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.26	-0.40	-0.55
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.03	0.06
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.03	0.13	0.32
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	0.11	0.28
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.09
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.25	-0.31
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.03	0.15	0.36
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.24	0.62
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.54	-0.78	-0.98
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.08
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.23	0.53
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.76	-2.56	-3.27
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-1.76	-2.56	-3.27
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	2.23	8.64	20.36
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.71	5.96	13.60
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.77	6.17	14.07
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.17	-1.73	-2.26

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.25	-1.86	-2.45
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.08	0.21
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.03	0.12	0.27
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	87.38	318.48	737.10
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	87.58	318.77	737.45
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.06	-0.09
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.06	-0.08
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.32	-0.49	-0.67
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.32	-0.49	-0.67
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.27	-0.42	-0.58
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.27	-0.42	-0.58
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.32	-0.49	-0.66
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.19	0.74	1.75
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	3.07	10.82	24.77
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.59	-0.91	-1.25
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.05	0.19	0.45
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.07	-0.08
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.19	-0.29	-0.40
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	1.64	5.97	13.82
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)	Nonattainment, --	100	0	-0.07	-0.11	-0.15
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.67	5.89	13.51
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.65	5.74	13.09
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	3.00	10.66	24.48
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.08
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	8.33	29.09	66.46
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	8.33	29.09	66.46
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.03
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.10	-0.14
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.10	-0.14
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.12	-0.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.93	-1.39	-1.83
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.11	-1.62	-2.05
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.09	-0.12
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.58	1.70
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	10.58	37.54	86.18
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.06	-0.07
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	10.76	37.81	86.55
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.06	-0.08
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.49	-0.66	-0.75
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.49	-0.66	-0.75
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.40	-0.55
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.78	-4.23	-5.71
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.78	-4.22	-5.70
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.08	0.24
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	9.70	33.62	76.61
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.12	-0.16	-0.16
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	3.26	11.63	26.75
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.05	0.19	0.46
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.23
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.03	0.08
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.04	-0.02
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-10.79	-0.21	26.53
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	7.25	27.35	63.93
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	7.25	27.35	63.93
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-10.80	-0.25	26.47
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-10.80	-0.24	26.47

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-10.80	-0.22	26.53
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-10.78	-0.20	26.55
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-10.79	-0.21	26.53
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.52	-2.32	-3.15
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.17	-0.22
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.56	13.03	30.21
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	12.33	42.84	97.69
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.18	-0.25
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.09	-0.12
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-4.63	-7.11	-9.70
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.54	-0.82	-1.13
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.02	-0.02
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.02
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.24	0.88	2.03
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.16	-0.21
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	0.73	3.28
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.79	0.18	2.52
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.04
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.51	-2.32	-3.17
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	7.32	21.84
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.12	-0.17
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.12	-0.17
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.41	-0.55
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.03	0.02
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.07	0.18
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	0.09	0.22
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	-0.06	-0.08
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.05	-0.06
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.17	-0.25	-0.34
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.03	0.10	0.24
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	-0.13	-0.17
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.11	-0.16	-0.21
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.17	-0.21
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.05
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.98	-1.51	-2.06
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.13	0.44	1.02
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.07	0.44	1.49
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-14.30	-20.69	-26.17
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-7.37	-10.07	-11.70
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-14.01	-20.14	-25.25
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-14.00	-20.12	-25.23
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.03	-0.02	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.07
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.12	-0.17
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.22	7.57	19.68
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.14
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.11	-0.14
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.03	-0.02
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.11	-0.16	-0.20
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	-0.06	-0.06
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.03

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.09	-0.10	-0.09
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.09	-0.12
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.21	2.99	8.46
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-1.20	5.77	20.36
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-3.08	2.90	16.46
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-3.07	2.91	16.47
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-4.48	-6.87	-9.37
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-4.66	-7.15	-9.76
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.78	-7.34	-10.01
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.09	0.20
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	-0.06	-0.09	-0.12
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.33	-0.50	-0.68
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.23	0.57
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.20	-0.18	-0.05
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	3.21	15.44	38.30
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	3.40	15.70	38.63
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	0.00	0.01
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.04	-0.05
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.41	-2.00	-2.44
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	-0.08	-0.12	-0.16
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.11	-0.18	-0.24
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	1.80	7.35	17.58
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.60	-1.17	0.50
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.49	12.12	27.62
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.37	-0.51	-0.60
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.32	-0.49	-0.67
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.04	-0.06
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.57	-0.88	-1.20

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.57	-0.88	-1.20
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.67	-1.03	-1.40
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-10.70	-0.08	26.72
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	0.84	3.00	6.90
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.05	0.12
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.13	-0.77	0.54
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	11.64	43.28	100.76
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	10.54	41.61	98.49
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	10.54	41.61	98.49
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	10.60	41.69	98.61
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.27	-0.42	-0.58
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	2.75	9.92	22.89
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	1.12	7.42	19.47
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.85	8.54	21.00
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	1.85	8.53	20.99
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.53	-1.04	0.73
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	7.71	28.17	65.23
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.11	-6.31	-8.62
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-4.12	-6.33	-8.65
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-4.11	-6.31	-8.63
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	4.50	32.37	85.96
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.51	32.39	85.99
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	4.42	32.26	85.81
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.18	33.39	87.32
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	17.73	69.91	165.46
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	17.73	69.91	165.46
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	17.73	69.91	165.46
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	17.67	69.72	165.04
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	17.67	69.72	165.04
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.08	3.74	8.54
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	1.08	3.74	8.54

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
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San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.15	0.53	1.22
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.07
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.28	-0.36	-0.39
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-3.49	-5.31	-7.18
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.56	-0.80	-1.01
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.07	-0.11	-0.16
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.07	-0.11	-0.15
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.11	-0.16
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.05
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.08
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.80	7.35	17.58
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.02
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.37	-0.57	-0.78
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.38	-0.58	-0.79
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.13	-0.08
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	4.96	17.25	39.36
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.06	-0.05
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	11.60	41.76	96.29
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	9.96	39.41	93.36
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	9.47	38.66	92.35
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	1.88	6.64	15.21
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.93	6.91	15.92
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.38	-0.57	-0.77
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.10	0.26
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.49	-0.75	-1.02
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.03
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.08	-0.12	-0.16
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.18	-0.24
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	2.38	8.25	18.80
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.10	-0.15	-0.21
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.23	0.80	1.84
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.94	-1.44	-1.97
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.01	0.08
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.05
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.02	0.06
New Madrid County, MO	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	-0.01	-0.02	-0.03
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	3.82	13.26	30.21
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	3.30	11.45	26.10
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.04	0.16	0.37
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	3.43	11.89	27.09
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	0.01	0.02	0.05
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.18	0.74	1.77
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	5.10	17.72	40.42
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.80	7.36	17.60
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.30	-0.34	-0.26
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	7.46	27.77	64.67
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	7.46	27.77	64.67
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.14	-0.20	-0.22
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.01
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.09	-0.11
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.52	5.29	12.06
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.52	5.28	12.04
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.51	5.27	12.03
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.78	-1.16	-1.53
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-6.04	-9.09	-12.09
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-6.05	-9.09	-12.10
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.32	-0.50	-0.68

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.11	-0.15
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.89	3.19	7.35
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.10	-0.14
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.52	-0.62	-0.53
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.24	-0.34	-0.42
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.05	-0.07
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.19	-0.25
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.24	-0.28
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.21	-0.32	-0.44
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.16	-0.23

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-7. 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), 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.72	2.20	3.87
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	6.15	10.15	18.79
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.87	3.65	6.42
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.31	0.43	0.76
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.27	0.43	0.79
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	3.21	5.28	9.77
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.08	0.17
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.04	0.52	1.11
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	2.53	3.27	5.78
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	2.91	3.77	6.67
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.06	-0.13	0.74
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.19	0.26	0.47
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.34	0.68	1.30
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.04	0.08
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	4.91	6.17	10.83
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.22	0.28	0.48
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.83	1.07	1.88
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	13.36	18.58	33.34
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	0.05	0.12
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.84	1.05	1.83
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.25	0.31	0.55
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.32	4.13	7.24

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	2.49	3.21	5.68
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.12	-0.09	1.35
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.43	0.00	0.20
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.06	0.11
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	29.71	37.30	65.49
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	22.32	28.15	49.46
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.19	0.23	0.41
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	1.96	2.57	4.56
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.06	0.12
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	12.76	16.22	28.55
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	12.87	16.36	28.79
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-5.19	4.41	12.07
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.05	0.07	0.13
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.12	0.15	0.26
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.92	1.26	2.26
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.60	0.40	1.16
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.98	-0.06	0.36
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	5.51	7.93	14.31
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	1.72	2.19	3.87
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.08	0.14
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.66	4.61	8.10
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.03	-0.05	0.40
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.53	-0.03	0.21
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.05	0.10
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.77	1.17	2.12
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.21	0.27	0.48
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.21	0.27	0.48
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.14	0.19	0.34
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.33	2.15	3.96
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.89	1.10	1.93
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.07	0.13
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.41	1.58	3.19
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	7.99	9.91	17.35

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	14.82	18.42	32.26
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	24.33	38.42	70.57
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	27.41	42.25	77.29
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.77	1.17	2.12
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.37	0.46	0.80
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.76	1.14	2.08
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	10.38	13.49	23.87
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	10.81	14.03	24.81
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	11.77	14.65	25.67
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.70	5.86	10.26
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	12.28	15.76	27.81
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	6.05	7.61	13.36
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	12.62	16.42	29.05
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	11.83	15.20	26.83
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.11	0.14	0.25
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.68	3.48	6.16
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	9.33	11.87	20.89
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	8.65	10.99	19.34
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.18	0.38	0.73
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.54	0.20	2.69
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.01
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	0.00	0.06
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.73	4.63	8.12
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.70	5.86	10.27
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	37.79	49.97	88.72
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	37.21	49.25	87.46
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.75	1.99	5.16
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	15.96	23.25	42.09
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	11.77	17.69	32.22
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	15.96	23.25	42.09
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	7.17	9.35	16.56
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	19.68	27.17	48.69
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.73	1.27	2.36
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	19.74	27.25	48.82
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.31	0.05	0.27

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.35	0.01	0.19
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.09	0.12	0.21
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.04	0.05	0.09
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.09	0.54	1.12
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-4.77	-0.23	1.88
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.01
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.03	0.19	0.39
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	2.19	3.20	5.80
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	0.16	0.46
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	1.11	1.37	2.40
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.08	0.06	0.18
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.01	0.15	0.32
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.18	0.22	0.38
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.04	0.04	0.08
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.75	0.98	1.73
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.08	0.15
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.19	0.07	0.25
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.21	0.31	0.56
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	2.29	2.94	5.20
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.17	0.21	0.36
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	0.00	0.07
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	7.69	9.57	16.78
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	7.69	9.58	16.79
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.58	2.33	5.29
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.56	0.03	0.34
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.90	0.00	0.46
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	4.97	6.30	11.08

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.38	6.71	11.76
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.03	0.04	0.06
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.02	0.02	0.04
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.02	0.02	0.04
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.06	0.11	0.20
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	0.01	0.03
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	4.88	40.51	84.76
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.11	39.36	82.67
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.17	0.21	0.37
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.17	0.21	0.37
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	1.34	1.69	2.98
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.34	1.69	2.97
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	1.15	1.42	2.48
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	1.15	1.42	2.48
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	1.32	1.66	2.92
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.22	0.45
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.30	0.37	1.43
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	2.49	3.11	5.45
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.03	0.05	0.10
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.20	0.28	0.51
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.80	0.99	1.74
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.04	0.74	1.57
Jefferson County, KY	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Jefferson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.31	0.39	0.68
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.38	0.25	0.73
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.52	-0.01	0.24
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.61	0.63	1.66
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.17	0.21	0.36
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.08
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.63	0.40	2.16
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.63	0.40	2.16
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.09	0.12	0.21
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.07	0.09	0.15
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.29	0.37	0.64
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.29	0.37	0.64
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.34	0.42	0.74

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	3.82	4.97	8.78
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	4.50	6.06	10.80
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.27	0.34	0.59
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.04	0.07
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	1.16	1.45	2.55
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.08	2.03	5.91
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.19	0.23	0.41
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.83	1.09	4.25
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.08	0.10	0.17
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.09	0.16
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.16	0.20	0.35
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	2.21	2.81	4.95
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	2.21	2.81	4.95
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.11	1.37	2.40
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	11.78	14.66	25.69
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	11.77	14.65	25.67
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.16	0.22	0.39
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.97	-0.05	0.37
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.59	0.74	1.29
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.14	0.77	2.23
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	0.08	0.17
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.03	0.05
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.46	0.57	0.99
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.94	0.46	1.45
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.24	0.31	0.54
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	77.86	100.73	178.03
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	1.67	5.82	11.69
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	1.67	5.82	11.69
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	77.90	100.77	178.09
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	77.89	100.76	178.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	77.88	100.76	178.07
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	77.83	100.70	177.97
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	77.86	100.73	178.03
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	6.43	7.98	13.98
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.49	0.62	1.09
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.26	1.78	3.97
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.89	0.12	1.20
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.50	0.61	1.08
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.24	0.29	0.52
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	19.58	24.29	42.53
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	2.24	2.80	4.91
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.08	0.10	0.18
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.10	0.18
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.21	0.07	0.26
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.43	0.53	0.94
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.65	6.00	10.60
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	6.12	7.89	13.93
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.08	0.09	0.16
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.08	0.10	0.17
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.08	0.09	0.17
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	6.33	7.90	13.84
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	13.84	19.17	34.38
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.31	0.42	0.75
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.32	0.42	0.75
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.15	1.43	2.51
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.23	0.34	0.61
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.11	0.20
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	0.02	0.04
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.16	0.20	0.35
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.10	0.12	0.21

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Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.07	0.09	0.15
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.14	0.17	0.30
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.71	0.88	1.54
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	0.03	0.07
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.38	0.48	0.85
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.04	0.05	0.09
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.48	0.61	1.07
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.48	0.61	1.08
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.11	0.14	0.24
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	4.15	5.14	8.99
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.09	0.02	0.08
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	1.47	1.83	3.21
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	62.08	78.35	137.71
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	32.82	41.94	73.93
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	60.99	77.06	135.47
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	60.95	77.01	135.38
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.16	0.19	0.34
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.14	0.17	0.30
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.33	0.42	0.74
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	6.56	9.00	16.11
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.29	0.36	0.63
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.29	0.36	0.63
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.13	0.18	0.32
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.47	0.62	1.10
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.02	0.01	0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	0.01	0.02
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.19	0.25	0.44
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	0.00	0.02
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.02	0.03

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Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
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Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.43	0.55	0.98
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.22	0.32	0.58
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.68	6.00	11.58
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	17.89	26.71	48.58
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	25.80	36.56	65.83
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	25.79	36.54	65.79
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	18.91	23.47	41.09
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	19.69	24.43	42.78
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	20.19	25.05	43.86
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	0.03	0.07
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	0.24	0.30	0.52
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.10	0.12	0.21
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	1.38	1.71	3.00
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.80	0.11	0.64
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	1.01	1.36	2.42
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	5.76	11.43	21.74
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	5.18	10.42	19.84
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.03	0.04	0.08
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.11	0.13	0.23
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	6.29	7.88	13.82
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	0.32	0.40	0.70
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.50	0.61	1.07
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	2.23	3.06	5.47
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.06	0.11
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	9.50	11.85	20.77
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.44	-0.08	0.54
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	1.65	2.13	3.76
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.36	1.68	2.94
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.12	0.15	0.27
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	2.39	3.00	5.26

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	2.39	3.00	5.26
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	2.81	3.51	6.16
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	77.49	100.27	177.21
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.41	0.13	0.97
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.69	-0.03	0.28
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.86	8.51	15.40
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.84	7.77	15.30
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	7.40	13.50	25.38
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	7.40	13.50	25.37
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	7.16	13.20	24.85
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	1.16	1.44	2.52
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.10	1.00	2.11
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	6.99	9.53	17.03
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.91	5.73	10.37
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	3.92	5.73	10.39
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	8.96	11.58	20.47
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	3.71	8.02
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	17.28	21.50	37.67
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	17.35	21.59	37.83
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	17.30	21.53	37.71
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	33.11	45.32	81.05
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	33.06	45.26	80.94
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	33.43	45.71	81.74
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	30.23	41.73	74.75
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	12.52	22.60	42.40
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	12.52	22.60	42.40
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	12.52	22.60	42.41
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	12.56	22.59	42.37
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	12.56	22.59	42.37
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	0.02	0.15
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.21	0.02	0.15

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.05	0.07	0.12
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	0.06	0.14
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.01
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.14	0.18	0.31
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	1.30	1.64	2.88
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	14.83	18.42	32.27
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	2.42	3.06	5.37
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.31	0.39	0.68
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.30	0.38	0.66
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.31	0.39	0.68
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.09	0.11	0.19
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.11	0.13	0.23
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.16	0.19	0.34
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.08	0.14
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	2.23	3.06	5.47
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	0.04	0.11
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	1.57	1.95	3.42
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.60	1.99	3.48
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.64	0.80	1.41
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.31	0.00	1.15
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.21	0.30	0.54
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	1.25	4.05	8.09
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	8.37	13.15	24.14
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	10.43	15.71	28.62
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.74	0.25	0.92
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.26	0.59	1.40
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.62	2.02	3.54
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.11	0.15	0.26
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	0.00	0.02
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.05	2.55	4.47
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.10	0.12	0.22
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.32	0.41	0.72
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.49	0.60	1.05
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.02	0.04
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.24	0.00	0.13
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.42	0.52	0.91
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.12	0.01	0.07
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	3.97	4.92	8.60
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.26	0.36	0.65
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	0.00	0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	0.05	0.12
New Madrid County, MO	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	0.06	0.07	0.13
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.80	-0.05	0.30
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.10	-0.02	0.50
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.33	0.00	0.17
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.01
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.20	-0.15	0.78
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.02	0.00	0.01
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.19	0.24	1.10
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.08	0.10	0.18
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.54	0.04	0.85
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.65	3.03	5.70
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.50	1.88	3.30
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	1.03	4.96	10.17
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	1.02	4.96	10.16
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.08	0.15
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.55	0.81	1.48
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.02	0.02	0.04
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.27	0.35	0.62
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.43	-0.01	0.18
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.39	0.04	0.27
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.38	0.05	0.30
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.33	4.16	7.29
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	25.86	32.20	56.43
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	25.87	32.21	56.45
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	1.37	1.70	2.97

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.32	0.41	0.71
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	0.28	0.64
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.27	0.33	0.59
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.06	0.07	0.12
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.61	3.27	5.73
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	1.06	1.31	2.30
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.15	0.19	0.33
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.51	0.64	1.11
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.70	1.00	1.80
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.88	1.09	1.91
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.45	0.56	0.98

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-8. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.19	0.82	1.94
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-21.14	-5.65	12.26
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.43	1.41	3.20
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.27	0.03	0.42
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.78	-0.19	0.50
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-10.87	-2.89	6.36
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.89	-0.35	0.20
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.51	-1.76	1.15
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.17	1.02	2.95
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.24	1.16	3.42
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-23.78	-10.24	3.44
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	0.02	0.26
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.28	-0.75	0.95
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.08	0.07
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.45	2.69	5.31
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.10	0.14	0.23
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.36	0.95
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-13.07	0.63	18.61
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.82	-0.33	0.17
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.34	0.50	0.89
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.12	0.16	0.26
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.32	1.95	3.50

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.12	1.03	2.90
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-36.94	-15.86	5.45
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-5.13	-2.20	0.76
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.01	0.06
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	8.84	16.30	32.10
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	5.45	11.77	24.40
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.09	0.12	0.20
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.48	0.66	2.38
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.06	0.09
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	1.92	6.26	14.24
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	1.97	6.33	14.36
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-104.52	-43.32	19.61
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.02	0.08
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.07	0.13
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.74	0.11	1.24
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-11.11	-4.63	2.02
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-11.28	-4.86	1.64
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-7.82	-0.69	8.27
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.19	0.82	1.94
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.03	0.07
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.93	1.94	3.99
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-11.98	-5.15	1.75
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.20	-2.66	0.91
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	0.02	0.05
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.63	-0.31	1.29
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.03	0.11	0.24
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	0.11	0.24
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.10	0.02	0.18
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-4.14	-1.05	2.54
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.42	0.55	0.93
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.04	0.06
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-9.87	-3.70	2.89
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	3.56	4.85	8.35

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	6.17	8.82	15.58
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-67.03	-15.84	44.46
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-65.80	-14.03	47.72
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.63	-0.31	1.29
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.13	0.21	0.39
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.56	-0.28	1.25
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.20	4.01	12.27
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.07	4.25	12.73
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	4.72	6.94	12.42
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.83	2.75	4.97
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.41	5.46	14.06
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	1.71	3.29	6.56
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.61	4.82	14.95
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.23	5.20	13.59
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.05	0.13
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.37	1.01	3.18
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	1.34	4.55	10.43
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	1.35	4.27	9.64
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.36	-0.46	0.55
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-56.96	-24.35	8.71
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.10	-0.04	0.02
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.51	-0.65	0.22
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.56	2.22	3.92
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.83	2.75	4.97
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-12.55	11.38	46.65
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-12.82	11.02	46.05
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-40.05	-16.50	7.78
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-25.51	-3.13	24.65
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-24.01	-4.35	19.45
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-25.51	-3.13	24.65
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-1.23	2.61	8.57
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-17.43	1.64	26.96
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.09	-0.90	1.60
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-17.42	1.67	27.02
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.26	-1.81	0.69

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-4.27	-1.83	0.65
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.01	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.04	0.11
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	0.02	0.04
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.97	-1.52	1.08
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-55.80	-23.99	8.15
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.42	-0.55	0.38
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.63	-0.48	3.41
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.25	-1.77	0.78
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.52	0.68	1.15
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.02	0.01
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.59	-0.66	0.29
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1.56	-0.62	0.37
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.08	0.11	0.18
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	0.28	0.89
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.02	-1.27	0.52
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.31	-0.03	0.32
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.03	1.00	2.63
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.08	0.10	0.17
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-1.52	-0.65	0.23
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	3.01	4.50	8.13
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	3.01	4.50	8.13
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-28.92	-11.61	6.42
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.05	-3.01	1.08
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-10.94	-4.69	1.64
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.98	2.53	5.50

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.09	3.15	5.70
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.03
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.01	0.01	0.02
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.02
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.30	-0.09	0.14
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.39	-0.16	0.07
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-322.88	-124.79	84.67
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-321.31	-124.50	83.41
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.08	0.11	0.18
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.07	0.10	0.18
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.32	0.70	1.47
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.32	0.70	1.47
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.54	0.71	1.20
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.54	0.71	1.20
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.31	0.69	1.44
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.41	-0.53	0.41
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-19.25	-8.13	3.21
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.89	1.43	2.65
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.16	-0.05	0.07
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.23	-0.01	0.29
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.37	0.49	0.83
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-6.48	-2.53	1.63
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)	Nonattainment, --	100	0	0.12	0.18	0.33
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-6.96	-2.90	1.27
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.19	-2.66	0.92
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-13.34	-5.51	2.56
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.08	0.10	0.17
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-35.64	-15.14	5.69
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-35.64	-15.14	5.69
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.06	0.10
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.04	0.07
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.09	0.16	0.31
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.09	0.16	0.31
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.11	0.19	0.36

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.44	1.47	4.52
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.48	0.97	5.80
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.07	0.14	0.29
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.42	0.67	1.24
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-56.53	-23.55	10.29
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.11	0.20
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-56.77	-23.96	9.48
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.05	0.08
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.03	0.08
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.09	0.17
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.26	1.06	2.48
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.26	1.06	2.48
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.52	0.68	1.15
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	4.72	6.94	12.43
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.72	6.94	12.42
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	0.04	0.21
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-11.28	-4.85	1.64
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.20	0.33	0.63
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-21.12	-8.79	3.86
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.89	-0.35	0.20
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.21	0.28	0.48
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-15.78	-6.61	2.77
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.04	0.12	0.27
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-4.86	31.70	90.99
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-34.60	-12.88	10.39
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-34.60	-12.88	10.39
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-4.75	31.76	91.01
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-4.75	31.76	91.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-4.85	31.71	91.01
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-4.87	31.68	90.96
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-4.86	31.70	90.99
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	2.71	3.84	6.75
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.09	0.25	0.54
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-20.00	-7.98	4.59
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-24.08	-10.28	3.72
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.23	0.31	0.52
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.11	0.15	0.25
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	8.56	11.82	20.49
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.79	1.28	2.39
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.01	0.04	0.09
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.04	0.09
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-3.27	-1.38	0.56
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.20	0.27	0.45
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	1.96	5.40
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.06	2.62	7.08
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.04	0.05	0.08
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.04	0.05	0.08
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.04	0.05	0.08
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	2.37	3.67	6.72
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.85	0.92	19.10
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.16	0.07	0.40
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.16	0.07	0.40
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.48	0.69	1.21
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.37	-0.05	0.36
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.10	0.15
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.36	-0.15	0.07
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.07	0.10	0.17
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.14	-0.05	0.03
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.14	-0.05	0.03
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.05	0.06	0.10

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.04	0.08
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.05	0.08	0.15
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.29	0.42	0.74
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.49	-0.20	0.10
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.05	0.18	0.42
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.02	0.03	0.04
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.10	0.25	0.53
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.10	0.25	0.53
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.07	0.11
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	1.94	2.55	4.32
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.22	-0.52	0.20
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.57	0.86	1.56
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	14.64	32.55	68.01
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	2.79	15.26	37.16
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	13.63	31.68	67.00
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	13.62	31.66	66.96
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.07	0.10	0.16
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.07	0.09	0.15
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	0.13	0.38
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.26	0.76	8.85
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.14	0.18	0.30
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.14	0.18	0.30
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	0.00	0.18
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.19	0.13	0.58
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.32	-0.13	0.05
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.32	-0.13	0.05
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.09	0.22
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.52	-0.23	0.08
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.03	0.03

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.20	0.49
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.39	-0.06	0.35
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-24.10	-8.32	8.99
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-34.76	-5.94	29.14
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-31.56	-1.27	37.48
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-31.57	-1.28	37.47
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	8.27	11.41	19.79
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	8.61	11.88	20.61
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	8.83	12.19	21.13
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.62	-0.26	0.12
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	0.11	0.15	0.25
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.06	0.10
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.62	0.84	1.44
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-10.74	-4.56	1.71
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.51	0.24	1.29
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-37.92	-12.42	15.92
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-35.38	-11.67	14.64
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.07	-0.01	0.05
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.05	0.07	0.11
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.10	3.54	6.74
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	0.14	0.20	0.34
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.23	0.30	0.51
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1.81	0.25	3.01
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.04	0.08
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.57	5.51	10.08
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-16.68	-7.18	2.42
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.07	0.69	1.92
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.63	0.83	1.41
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.06	0.08	0.13
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.78	1.34	2.57

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.78	1.34	2.57
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.97	1.59	3.00
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-5.03	31.47	90.60
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	0.00	0.01
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-18.29	-7.80	2.85
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.15	-3.50	1.19
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-9.12	-1.05	8.99
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-38.83	-14.04	12.78
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-37.51	-11.55	17.72
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-37.51	-11.55	17.71
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-37.62	-11.69	17.46
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.54	0.72	1.21
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-8.25	-3.20	2.14
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-5.06	1.03	9.30
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.50	-0.86	6.10
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-6.49	-0.86	6.11
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.50	3.67	10.45
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-35.75	-14.08	8.68
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	6.95	10.19	18.22
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	6.98	10.23	18.30
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	6.96	10.20	18.25
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-25.46	4.29	44.43
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-25.49	4.26	44.37
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-25.32	4.48	44.76
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-26.59	2.60	41.37
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-61.16	-18.63	29.41
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-61.16	-18.63	29.41
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-61.16	-18.63	29.41
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-60.60	-18.39	29.33
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-60.60	-18.39	29.33
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.75	-1.17	0.43
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.75	-1.17	0.43

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.03	0.06
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.70	-0.28	0.16
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.07	0.09	0.15
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.37	0.71	1.41
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	6.31	8.88	15.56
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.52	1.25	2.66
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.13	0.18	0.33
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.12	0.18	0.32
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.13	0.18	0.33
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.04	0.10
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.07	0.11
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.07	0.10	0.16
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.81	0.25	3.01
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.86	-0.35	0.17
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.69	0.95	1.65
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.70	0.97	1.68
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.20	0.35	0.69
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-28.02	-12.01	4.20
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.24	0.00	0.30
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-23.05	-8.52	7.08
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-22.47	-5.22	15.15
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-21.53	-3.96	17.30
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-11.35	-4.78	1.93
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-8.78	-3.56	1.84
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.67	0.96	1.71
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.08	0.02	0.14
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.51	-0.22	0.07
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.83	1.21	2.16
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.04	0.11
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	0.13	0.37
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.23	0.30	0.50
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.02	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.10	-0.03	0.03
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-2.96	-1.27	0.45
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.17	0.25	0.44
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.49	-0.64	0.23
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	1.85	2.44	4.13
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.23	0.02	0.36
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.19	-0.08	0.03
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.74	-0.30	0.16
New Madrid County, MO	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	0.03	0.04	0.06
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-9.29	-4.00	1.35
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-13.21	-5.67	1.96
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.98	-1.71	0.60
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-25.36	-10.92	3.67
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.19	-0.08	0.03
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-16.65	-7.05	2.71
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.09
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-19.02	-8.14	2.88
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.51	-2.63	3.99
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.53	0.86	1.60
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-34.36	-13.06	9.59
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-34.36	-13.06	9.59
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.03	0.10
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.99	-0.15	0.88
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.01	0.02
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	0.11	0.31
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.05	-2.17	0.75
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.09	-2.17	0.79
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.10	-2.17	0.81
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.24	1.92	3.54
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	10.23	15.18	27.32
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	10.23	15.19	27.33
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.64	0.84	1.42

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.09	0.17	0.35
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.33	-1.33	0.75
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.12	0.17	0.28
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.03	0.04	0.06
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.86	1.46	2.80
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.44	0.63	1.11
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.09	0.16
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.24	0.32	0.53
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.97	-0.08	1.04
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.41	0.54	0.92
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.21	0.28	0.47

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-9. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.23	-2.09	-2.72
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-29.37	-35.98	-32.04
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.90	-3.31	-4.40
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.56	-0.77	-0.79
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.12	-1.39	-1.25
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-15.14	-18.57	-16.56
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.01	-1.14	-0.89
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.20	-5.95	-4.69
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.30	-3.63	-4.43
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-2.71	-4.25	-5.16
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-25.55	-28.36	-20.92
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.34	-0.46	-0.48
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.90	-3.44	-2.91
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.30	-0.24
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.43	-4.73	-6.79
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.16	-0.27
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.69	-1.12	-1.39
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-26.13	-35.15	-35.93
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.91	-1.03	-0.79
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.31	-0.69	-1.07
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.19	-0.31
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.25	-2.75	-4.23

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.21	-3.51	-4.31
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-39.76	-44.16	-32.63
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-5.52	-6.14	-4.54
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.14	-0.14
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-14.64	-28.53	-41.01
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-12.37	-22.99	-32.03
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.14	-0.23
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-2.19	-3.28	-3.81
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.31	-0.26
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-8.44	-14.71	-19.53
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-8.48	-14.79	-19.67
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-115.53	-129.86	-98.46
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.16	-0.21	-0.19
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.09	-0.15
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.62	-2.21	-2.31
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-12.24	-13.73	-10.38
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-12.13	-13.46	-9.93
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-13.56	-17.68	-17.31
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-1.23	-2.08	-2.72
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.09	-0.10
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.98	-3.72	-5.20
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-12.88	-14.30	-10.55
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.66	-7.40	-5.46
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.06	-0.08
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.51	-3.18	-2.97
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.25	-0.33
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.25	-0.33
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.23	-0.32	-0.34
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.85	-7.21	-6.48
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.27	-0.66	-1.08
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.07
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-11.66	-13.48	-10.82
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-2.58	-6.13	-9.82

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-5.28	-11.92	-18.65
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-97.15	-120.61	-109.76
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-98.31	-123.16	-113.69
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.51	-3.18	-2.97
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.15	-0.32	-0.48
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.42	-3.06	-2.87
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-10.04	-15.59	-18.74
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-10.24	-15.99	-19.32
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-4.41	-9.72	-15.01
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.83	-3.95	-6.05
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-9.78	-16.04	-20.28
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-3.08	-5.93	-8.44
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-12.38	-19.16	-22.94
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-9.60	-15.67	-19.71
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.15	-0.19
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.65	-4.09	-4.89
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-6.25	-10.85	-14.36
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-5.66	-9.90	-13.19
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.72	-2.03	-1.71
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-61.53	-68.46	-50.77
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.11	-0.12	-0.09
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.63	-1.81	-1.33
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.32	-2.99	-4.69
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.83	-3.96	-6.05
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-45.91	-67.45	-76.57
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-45.74	-67.02	-75.87
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-44.47	-50.08	-38.13
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-42.56	-54.95	-53.07
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-37.34	-47.32	-44.46
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-42.56	-54.95	-53.07
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-7.39	-11.29	-13.34
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-36.40	-49.39	-51.05
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.15	-5.03	-4.40
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-36.43	-49.45	-51.13
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.62	-5.16	-3.85

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-4.61	-5.13	-3.80
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.01	-0.01	-0.01
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.12	-0.15
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.05
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.63	-5.33	-4.23
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-60.00	-66.61	-49.18
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.65	-1.89	-1.49
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-5.99	-7.71	-7.41
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.68	-5.26	-3.98
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.33	-0.82	-1.34
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.06	-0.04
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.76	-1.97	-1.49
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1.78	-2.02	-1.58
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.13	-0.21
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.04
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.74	-1.15	-1.37
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.05	-0.08
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.30	-3.69	-2.77
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.54	-0.70	-0.68
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.87	-3.05	-3.83
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.12	-0.20
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-1.64	-1.82	-1.35
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.96	-6.44	-9.87
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-2.96	-6.44	-9.88
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-32.68	-37.09	-28.69
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.62	-8.47	-6.29
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-11.80	-13.12	-9.71
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.03	-5.43	-7.38

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.09	-4.53	-6.93
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.39	-0.47	-0.41
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.43	-0.48	-0.36
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-374.30	-429.36	-339.38
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-371.87	-426.28	-336.50
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.13	-0.21
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.06	-0.14	-0.21
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.75	-1.39	-1.93
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.75	-1.39	-1.93
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.35	-0.86	-1.40
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.35	-0.86	-1.40
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.75	-1.37	-1.90
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.66	-1.92	-1.54
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-20.99	-23.45	-17.55
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.05	-2.19	-3.27
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.21	-0.25	-0.21
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.44	-0.58	-0.58
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.59	-0.97
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-7.46	-8.54	-6.72
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)	Nonattainment, --	100	0	-0.13	-0.27	-0.41
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-7.67	-8.61	-6.50
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.67	-7.41	-5.48
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-14.79	-16.64	-12.65
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.12	-0.20
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.05
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-38.68	-43.12	-32.12
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-38.68	-43.12	-32.12
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.07	-0.11
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.05	-0.08
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.27	-0.40
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.27	-0.40
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.16	-0.31	-0.46

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-3.70	-5.74	-6.90
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.60	-9.33	-10.13
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.14	-0.27	-0.38
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.04
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.49	-1.02	-1.53
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-62.26	-69.87	-52.80
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.17	-0.25
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-61.90	-69.16	-51.77
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.06	-0.10
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.10	-0.12
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.15	-0.22
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.54	-2.63	-3.45
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.54	-2.63	-3.45
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.82	-1.34
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-4.42	-9.73	-15.02
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.41	-9.72	-15.01
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.22	-0.32	-0.35
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-12.13	-13.46	-9.94
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.26	-0.53	-0.79
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-23.27	-26.11	-19.74
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.01	-1.14	-0.89
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.14	-0.34	-0.55
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-17.31	-19.39	-14.60
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.15	-0.27	-0.36
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-70.52	-111.49	-136.25
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-41.06	-47.55	-38.29
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-41.06	-47.55	-38.29
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-70.42	-111.39	-136.19
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-70.42	-111.39	-136.19

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-70.53	-111.51	-136.27
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-70.51	-111.47	-136.21
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-70.52	-111.49	-136.25
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.25	-5.12	-8.05
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.31	-0.54	-0.73
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-22.72	-25.84	-20.07
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-26.04	-28.98	-21.51
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.15	-0.37	-0.60
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.18	-0.29
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-6.52	-15.23	-24.24
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.97	-2.00	-2.97
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.05	-0.09	-0.12
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.09	-0.12
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-3.57	-4.00	-3.00
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.32	-0.52
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.03	-6.45	-7.98
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-5.17	-8.34	-10.38
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.06	-0.09
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.06	-0.09
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.06	-0.09
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.56	-5.44	-8.24
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-26.28	-35.51	-36.50
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.45	-0.63	-0.69
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.45	-0.64	-0.70
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.41	-0.92	-1.44
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.62	-0.80	-0.77
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.42	-0.50	-0.43
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.40	-0.45	-0.34
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.05	-0.12	-0.19
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.16	-0.18	-0.14
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.16	-0.18	-0.14
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.07	-0.12

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.07	-0.10
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.06	-0.12	-0.18
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.26	-0.57	-0.89
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.55	-0.62	-0.47
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.26	-0.44	-0.59
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.03	-0.05
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.28	-0.52	-0.71
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.28	-0.52	-0.71
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.08	-0.13
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-1.24	-3.07	-5.01
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.33	-1.48	-1.11
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.57	-1.24	-1.89
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-34.99	-64.63	-89.62
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-24.18	-40.65	-52.46
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-35.24	-64.49	-88.82
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-35.23	-64.46	-88.78
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.05	-0.12	-0.19
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.10	-0.17
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.29	-0.46	-0.57
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-11.50	-15.74	-16.45
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.22	-0.35
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.22	-0.35
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.34	-0.35
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.61	-0.88	-0.98
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.34	-0.38	-0.29
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.34	-0.38	-0.29
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.16	-0.26	-0.32
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.56	-0.63	-0.46
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.10	-0.12	-0.10

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.33	-0.55	-0.70
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.63	-0.80	-0.77
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-29.87	-35.17	-29.23
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-54.78	-69.67	-65.81
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-57.71	-76.16	-75.87
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-57.71	-76.15	-75.85
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-6.30	-14.72	-23.41
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-6.56	-15.32	-24.38
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-6.72	-15.71	-25.00
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.69	-0.77	-0.59
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	-0.07	-0.18	-0.29
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.07	-0.12
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.44	-1.05	-1.69
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-11.65	-12.98	-9.67
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-1.43	-2.04	-2.23
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-48.29	-57.43	-48.60
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-44.89	-53.32	-45.02
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.10	-0.13	-0.12
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.08	-0.13
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.84	-5.75	-8.45
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	-0.11	-0.25	-0.40
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.14	-0.36	-0.58
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-3.93	-5.37	-5.60
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.19	-0.23	-0.21
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.83	-8.15	-12.35
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-17.93	-19.90	-14.68
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.45	-2.31	-2.84
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.41	-1.00	-1.64
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.09	-0.15
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-1.11	-2.22	-3.24

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-1.11	-2.22	-3.24
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.23	-2.53	-3.74
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-70.41	-111.21	-135.79
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.02	-0.02
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-19.80	-22.05	-16.39
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.76	-9.73	-7.19
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-15.35	-19.85	-19.23
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-46.89	-54.68	-44.61
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-49.18	-59.10	-50.94
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-49.18	-59.10	-50.94
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-49.10	-58.92	-50.64
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.35	-0.86	-1.40
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-9.55	-10.94	-8.63
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-11.63	-16.06	-16.97
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-10.71	-13.79	-13.26
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-10.71	-13.79	-13.27
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-8.04	-12.74	-15.61
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-40.94	-46.72	-36.55
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.44	-14.23	-22.00
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-6.47	-14.28	-22.09
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-6.45	-14.24	-22.03
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-56.82	-78.05	-81.94
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-56.80	-78.01	-81.88
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-56.92	-78.29	-82.33
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-55.70	-75.62	-78.22
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-80.57	-96.99	-83.84
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-80.57	-96.99	-83.84
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-80.57	-96.99	-83.84
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-79.97	-96.31	-83.34
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-79.97	-96.31	-83.34
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.98	-3.32	-2.47
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.98	-3.32	-2.47

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.07
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.79	-0.90	-0.70
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.11	-0.17
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.67	-1.28	-1.82
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-5.14	-11.76	-18.53
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.42	-2.59	-3.54
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.11	-0.25	-0.39
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.11	-0.25	-0.38
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.25	-0.39
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.13
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.08	-0.13
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.05	-0.12	-0.19
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.05	-0.08
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.93	-5.37	-5.60
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.95	-1.07	-0.81
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.53	-1.23	-1.95
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.54	-1.25	-1.99
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.31	-0.60	-0.87
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-30.21	-33.58	-24.85
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.46	-0.60	-0.61
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-27.47	-31.86	-25.74
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-32.74	-40.72	-37.15
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-33.39	-42.28	-39.67
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-12.40	-13.87	-10.40
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-9.84	-11.13	-8.56
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.59	-1.32	-2.05
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.18	-0.25	-0.26
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.60	-0.45
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.76	-1.69	-2.61
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.12	-0.16
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.29	-0.45	-0.55
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.36	-0.59
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.06	-0.06	-0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.14	-0.11
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-3.19	-3.55	-2.63
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.15	-0.34	-0.53
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.61	-1.79	-1.33
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-1.19	-2.94	-4.79
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.48	-0.66	-0.68
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.20	-0.22	-0.16
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.83	-0.94	-0.72
New Madrid County, MO	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	-0.02	-0.04	-0.07
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-9.98	-11.07	-8.17
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-14.22	-15.80	-11.68
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.30	-4.78	-3.54
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-27.24	-30.23	-22.29
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.20	-0.22	-0.16
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-18.10	-20.19	-15.07
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.06	-0.10
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-20.53	-22.83	-16.92
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-11.14	-13.38	-11.52
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.65	-1.34	-1.99
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-40.25	-46.37	-36.97
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-40.25	-46.37	-36.96
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.21	-0.26	-0.24
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.59	-2.03	-1.94
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.03
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.23	-0.37	-0.46
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.44	-6.04	-4.46
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.51	-6.14	-4.56
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.53	-6.17	-4.59
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.36	-2.88	-4.35
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-9.84	-21.52	-33.11
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-9.85	-21.53	-33.12
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.41	-1.01	-1.65

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.17	-0.32	-0.45
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.78	-4.29	-3.33
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.21	-0.34
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.07
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.19	-2.39	-3.51
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.37	-0.84	-1.32
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.11	-0.18
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.38	-0.62
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.69	-2.21	-2.17
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.27	-0.65	-1.07
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.34	-0.55

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-10. 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), 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.81	-3.83	-4.33
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.58	-5.45	-2.85
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.58	0.48	2.36
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.18	0.21	0.49
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.07	0.06	0.28
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.91	0.77	3.57
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.04
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.31	-0.45	-0.37
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.80	0.78	2.62
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	1.21	1.28	3.55
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.50	-0.65	-0.90
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.14	0.16	0.35
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.30	-0.44	-0.29
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.02
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	3.61	4.21	8.76
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.05	0.05	0.19
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.59	0.69	1.46
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	10.06	11.65	24.97
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	0.01
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.18	0.16	0.70
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.36	-0.49	-0.54
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.66	1.85	4.50

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.28	1.42	3.48
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.73	-3.56	-4.93
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.37	-0.49	-0.67
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.10
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	20.15	23.34	49.96
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	13.80	15.78	35.14
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.17	0.20	0.39
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	1.78	2.11	4.15
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.07
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	9.52	11.13	23.10
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	9.60	11.22	23.30
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-11.27	-15.05	-18.71
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	0.02
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.09	-0.05
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.36	-0.56	-0.19
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-3.43	-4.50	-6.08
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.80	-1.05	-1.46
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	3.11	3.42	8.50
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-2.81	-3.82	-4.32
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.10	-0.11
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.20	-4.52	-4.18
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.38	-0.50	-0.69
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.10	-0.14
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.05	0.06	0.10
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.50	0.56	1.33
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.17	0.20	0.40
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.17	0.20	0.40
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.12	0.14	0.29
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.23	1.43	3.01
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	1.00	1.22	2.21
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.11	-0.12
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.55	-7.35	-9.51
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	6.38	7.54	15.15

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	9.39	10.79	23.64
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	17.50	19.77	45.70
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	19.80	22.47	51.25
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.50	0.56	1.33
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.24	0.28	0.60
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.50	0.56	1.32
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	9.48	11.29	22.07
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	9.90	11.79	23.01
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	7.78	8.99	19.37
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.33	5.18	9.96
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	11.44	13.67	26.45
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	5.73	6.87	13.14
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	11.86	14.16	27.44
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	11.15	13.33	25.71
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.14	-0.13
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.00	-1.57	-0.58
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	8.72	10.42	20.09
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	8.08	9.67	18.63
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.05	0.25
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.35	-0.24
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.31	-0.44
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.44	4.11	7.90
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.33	5.18	9.97
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	29.33	34.29	71.22
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	28.76	33.60	69.93
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.61	-0.97	-0.32
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-9.11	-13.65	-8.21
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-8.01	-11.80	-8.20
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-9.11	-13.65	-8.21
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	5.21	6.05	12.82
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	14.06	16.18	35.32
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.52	0.58	1.41
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	14.08	16.21	35.39
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.18	-0.21

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.17	-0.22
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.11	-0.11
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.09	-0.12	-0.14
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.71	-0.96	-1.09
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-0.35	-0.46	-0.60
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.05	-0.08	-0.02
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	1.70	1.97	4.25
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	0.04
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.50	0.54	1.40
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.02	-0.03
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.17	-0.22	-0.28
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.24	-0.32	-0.37
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.19	-0.25
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.32	-1.74	-2.33
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.27	-0.35	-0.47
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.10	0.05	0.53
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.08	0.10	0.17
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.24	-0.31	-0.40
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.16	0.19	0.41
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	2.19	2.63	5.04
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.10	0.12	0.26
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.05	-0.06
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	1.36	1.03	5.88
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	1.36	1.03	5.89
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-4.39	-5.91	-7.10
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.46	-0.61	-0.82
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.06	-1.39	-1.91
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	3.61	4.21	8.82

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.97	0.74	4.15
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.04
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.01	0.01	0.03
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.03
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	-0.02	-0.02	-0.02
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-19.80	-29.01	-20.85
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-19.60	-28.66	-20.90
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.01	0.11
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.12	-0.18	-0.15
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.83	0.95	2.11
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.83	0.94	2.11
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.81	0.95	1.98
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.81	0.95	1.98
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.81	0.92	2.06
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.03
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.49	-1.97	-2.54
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	2.16	2.56	5.03
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.01
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.15	0.17	0.37
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.50	0.58	1.27
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.68	-0.94	-0.96
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)	Nonattainment, --	100	0	0.11	0.12	0.34
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.06	0.04
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.10	-0.13
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.48	-0.35
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.10	0.12	0.26
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.06
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.64	-0.88	-0.95
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.64	-0.88	-0.95
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.06	0.14
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.10
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.19	0.22	0.48
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.19	0.22	0.48
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.22	0.25	0.55

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	2.09	2.33	5.57
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	2.49	2.76	6.69
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.05	0.23
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.04
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	1.15	1.38	2.61
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.40	-0.70	0.12
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.19	0.23	0.42
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.40	-0.63	-0.22
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.08	-0.11
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.04	-0.06
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	0.03
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.04	0.10
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.16	0.19	0.35
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.47	0.40	1.87
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.48	0.40	1.87
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.50	0.54	1.40
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	7.79	9.00	19.39
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	7.78	8.99	19.37
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.12	0.14	0.30
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.85	-1.11	-1.54
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.05	-0.13	0.17
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.05	-0.13	0.23
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.06	-0.04
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.08	-0.10
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.19	0.20	0.54
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.89	-3.80	-5.05
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.23	0.28	0.53
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	88.62	107.49	197.19
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	3.82	4.51	9.10
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	3.82	4.51	9.10
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	88.72	107.61	197.38
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	88.71	107.60	197.36

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
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Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	88.64	107.51	197.24
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	88.59	107.45	197.12
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	88.62	107.49	197.19
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	5.65	6.73	13.12
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.15	0.15	0.50
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.15	0.05	0.96
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.80	-1.06	-1.37
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.58	0.70	1.27
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.24	0.29	0.54
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	16.69	19.84	39.03
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.94	2.31	4.53
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.04	0.05	0.12
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.05	0.12
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.99	-1.29	-1.76
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.27	0.31	0.68
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.84	0.63	3.67
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.32	-0.19	3.40
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.04
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.04
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.04
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	4.29	4.97	10.62
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	10.21	11.80	25.45
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.65	-3.47	-4.66
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.66	-3.49	-4.69
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.95	1.12	2.24
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	0.11
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.09	0.11	0.21
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.16	0.19	0.35
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.01	-0.01
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.01	0.00
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.09	0.11	0.21

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.03	0.08
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.05	0.05	0.15
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.11	0.25
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	-0.10	-0.12
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.45	0.55	0.99
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.03	0.04	0.07
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.52	0.63	1.17
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.53	0.64	1.17
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	0.02
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.77	-1.39	0.43
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.27	-0.35	-0.48
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.41	-0.67	-0.09
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	25.72	27.42	74.75
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	10.61	10.57	34.29
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	25.48	27.21	73.85
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	25.46	27.18	73.80
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.17	0.21	0.38
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	0.05
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.32	0.38	0.73
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	2.04	1.96	6.94
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.17	0.20	0.44
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.17	0.20	0.44
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.02	0.11
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.11	0.09	0.42
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.14	-0.18	-0.25
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.18	-0.25
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.19	0.23	0.43
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.40	0.47	0.92
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.08	-0.13	-0.03
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.72	1.77	5.33
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	11.92	13.43	31.30
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	18.69	21.48	47.13
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	18.68	21.46	47.10
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	16.13	19.17	37.70
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	16.79	19.96	39.25
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	17.23	20.48	40.26
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.07	-0.09
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	0.20	0.23	0.46
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	0.05
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	1.21	1.44	2.81
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.32	-0.43	-0.53
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.37	0.37	1.16
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.45	-1.48	3.35
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.43	-1.38	3.01
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.01	0.01	0.03
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	0.03
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.24	6.21	12.34
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.96	-1.27	-1.59
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.39	0.46	0.92
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	1.91	2.24	4.56
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.10
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	7.37	8.68	17.64
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.34	-0.47
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.78	0.85	2.17
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.57	1.91	3.45
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.24	-0.26
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	2.67	3.24	5.93

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	2.67	3.24	5.93
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	3.17	3.85	7.02
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	88.17	106.93	196.20
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.02	-0.02
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.97	-1.29	-1.69
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.88	-1.15	-1.59
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	7.06	8.52	15.90
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	5.47	6.50	12.81
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	9.16	10.86	21.57
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	9.16	10.86	21.57
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	8.95	10.61	21.08
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.64	0.73	1.68
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.05	-0.01	0.48
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	2.28	2.23	7.56
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.75	1.83	5.24
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	1.75	1.84	5.25
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.76	5.29	12.79
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	1.95	2.23	4.94
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	12.68	14.84	30.73
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	12.70	14.85	30.79
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	12.66	14.81	30.70
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	36.00	43.31	81.72
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	35.95	43.25	81.61
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	36.32	43.71	82.45
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	33.15	39.89	75.27
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	14.20	16.70	34.03
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	14.20	16.70	34.03
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	14.20	16.70	34.03
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	14.32	16.86	34.25
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	14.32	16.86	34.25
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.27	-0.35	-0.47
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.27	-0.35	-0.47

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.05	0.06	0.11
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.56	-0.73	-0.99
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.02	-0.03
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	0.05
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	1.04	1.22	2.47
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	5.23	5.39	16.09
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.35	-1.99	-1.36
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.14	0.15	0.39
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.13	0.14	0.37
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.14	0.15	0.39
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.01
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.14	-0.13
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.17	-0.24	-0.24
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.04	0.09
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.91	2.24	4.56
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.09	-0.12	-0.15
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.55	0.56	1.70
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.56	0.57	1.73
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.38	0.43	0.98
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.91	-2.50	-3.41
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.05	0.08
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	1.68	1.86	4.55
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.25	4.50	12.47
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	5.49	5.91	15.64
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.59	-0.79	-0.96
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.16	-1.56	-1.88
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.57	1.89	3.58
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.02	0.01	0.08
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.05	-0.07
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.12	1.26	2.94
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.09	0.11	0.21
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.03	0.00	0.19
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.47	0.57	1.07
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.03	-0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	-0.03	-0.03
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.41	0.49	0.93
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.22	-0.29	-0.40
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	3.23	3.82	7.62
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.24	0.28	0.56
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.12	-0.16	-0.20
New Madrid County, MO	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	0.07	0.08	0.15
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.09	-1.42	-1.98
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.40	-1.82	-2.52
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.36	-0.47	-0.65
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.24	-0.32	-0.44
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.01	-0.01	-0.02
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.34	-4.36	-5.95
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.05	0.12
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.01	-2.62	-3.60
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.54	0.46	2.08
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.45	1.74	3.31
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	3.68	4.39	8.55
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	3.68	4.39	8.53
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.01
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.09	-0.18	0.13
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.05	-0.06
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.08	0.08	0.28
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.76	-1.00	-1.38
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.19	-1.56	-2.15
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.34	-1.75	-2.41
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.27	3.94	7.44
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	20.62	24.34	48.99
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	20.63	24.35	49.01
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	1.59	1.94	3.50

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.12	0.12	0.36
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.01	0.16
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.24	0.28	0.55
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.05	-0.07	-0.07
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.73	3.30	6.14
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.78	0.91	1.88
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	-0.13	-0.09
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.30	-0.44	-0.32
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.56	0.65	1.37
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.18	0.15	0.72
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.07	0.05	0.34

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-11. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-30.52	-55.15	-75.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-84.47	-154.18	-209.01
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-18.69	-34.60	-46.70
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.48	-2.79	-3.75
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.20	-4.07	-5.49
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-27.07	-50.16	-67.68
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.74	-1.35	-1.83
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.25	-9.55	-12.95
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-15.10	-28.08	-37.85
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-15.68	-29.29	-39.41
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.05	-5.44	-7.43
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.73	-1.40	-1.87
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-6.06	-11.04	-14.97
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.36	-0.66	-0.89
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-15.66	-30.12	-40.17
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.37	-2.54	-3.43
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.89	-5.54	-7.39
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-52.67	-100.56	-134.41
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.35	-0.64	-0.87
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.27	-9.77	-13.18
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.09	-7.39	-10.05
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-15.03	-28.25	-37.95

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-11.82	-22.21	-29.83
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-17.36	-30.98	-42.30
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-2.42	-4.33	-5.91
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.21	-0.28
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-104.73	-200.01	-267.31
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-87.63	-166.24	-222.64
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.39	-0.78	-1.03
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-4.90	-9.66	-12.78
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.26	-0.49	-0.65
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-41.00	-78.89	-105.19
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-41.34	-79.55	-106.08
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-99.16	-178.45	-243.02
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.48	-0.88	-1.19
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.26	-2.30	-3.11
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-9.89	-18.07	-24.49
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-23.68	-42.35	-57.79
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-4.93	-8.78	-11.99
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-29.75	-55.88	-75.07
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-30.48	-55.10	-74.93
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.93	-1.69	-2.30
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-47.54	-86.34	-117.23
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.43	-4.34	-5.93
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.98	-1.33
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.10	-0.13
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.13	-7.78	-10.44
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.64	-1.23	-1.64
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.64	-1.23	-1.64
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.43	-0.84	-1.11
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.76	-11.04	-14.74
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.63	-1.51	-1.89
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.93	-1.68	-2.28
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-43.71	-78.46	-106.93
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-21.51	-41.89	-55.65

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-55.08	-104.76	-140.20
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-130.36	-246.23	-330.22
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-139.75	-264.34	-354.34
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-4.13	-7.78	-10.44
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.33	-2.54	-3.39
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-3.99	-7.51	-10.08
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-24.72	-48.92	-64.68
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-25.48	-50.45	-66.69
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-41.93	-79.97	-106.92
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-9.33	-18.74	-24.67
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-26.57	-53.02	-69.92
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-11.52	-23.26	-30.57
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-28.14	-56.06	-73.96
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-24.96	-49.94	-65.81
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.47	-2.66	-3.61
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-27.36	-49.99	-67.74
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-19.36	-38.76	-51.06
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-17.85	-35.76	-47.10
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.99	-3.69	-4.98
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.68	-8.54	-11.58
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.13	-0.24	-0.32
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.50	-2.68	-3.66
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-7.33	-14.72	-19.37
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-9.34	-18.74	-24.67
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-126.96	-244.23	-325.68
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-126.06	-242.37	-323.26
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-17.29	-31.60	-42.82
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-198.10	-361.34	-489.96
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-157.50	-287.01	-389.29
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-198.10	-361.34	-489.96
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-25.43	-48.68	-65.02
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-80.93	-154.01	-206.06
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.68	-8.79	-11.81
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-81.22	-154.56	-206.80
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.29	-2.32	-3.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.97	-1.74	-2.38
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.21	-2.20	-2.98
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.84	-1.51	-2.06
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.74	-13.99	-19.03
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-2.71	-4.87	-6.64
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.06	-0.08
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.49	-2.72	-3.68
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-9.30	-17.73	-23.71
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.24	-2.27	-3.08
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-5.31	-9.95	-13.38
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.20	-0.27
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.46	-2.62	-3.57
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-2.38	-4.30	-5.85
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.02	-1.82	-2.49
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-9.38	-16.78	-22.89
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.89	-3.38	-4.61
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.36	-9.90	-13.38
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.09	-0.11
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.98	-3.55	-4.84
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.91	-1.73	-2.32
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-4.62	-9.30	-12.23
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.63	-1.19	-1.59
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.29	-0.52	-0.70
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-50.05	-92.60	-124.99
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-50.09	-92.68	-125.10
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-41.92	-75.58	-102.86
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.23	-5.77	-7.88
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-6.88	-12.28	-16.77
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-16.42	-31.53	-42.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-34.96	-64.70	-87.33
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.25	-0.33
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.07	-0.14	-0.18
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	-0.14	-0.18
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.65	-1.21	-1.63
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.17	-0.30	-0.41
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-379.01	-690.47	-936.61
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-370.74	-675.33	-916.10
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.18	-2.18	-2.94
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.03	-3.70	-5.02
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-5.29	-10.03	-13.44
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.29	-10.03	-13.43
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-3.72	-7.13	-9.52
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-3.72	-7.13	-9.52
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-5.21	-9.88	-13.24
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.78	-3.25	-4.41
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-11.97	-21.49	-29.29
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.05
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.84	-11.52	-15.24
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.41	-0.75	-1.02
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.83	-1.58	-2.11
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.99	-5.69	-7.61
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-8.88	-16.10	-21.88
Jefferson County, KY	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Jefferson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.69	-3.15	-4.25
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.97	-3.62	-4.90
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.63	-1.12	-1.53
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-6.31	-11.50	-15.59
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.62	-1.19	-1.59
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.56	-1.01	-1.38
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-7.58	-13.72	-18.65
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-7.58	-13.72	-18.65
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.38	-0.72	-0.96
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.28	-0.53	-0.70
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.07	-2.05	-2.74
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.07	-2.04	-2.73
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.23	-2.34	-3.13

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-17.61	-33.15	-44.50
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-21.95	-41.29	-55.45
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.70	-3.15	-4.24
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.28	-0.38
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.87	-3.85	-5.03
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-16.84	-30.86	-41.78
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.29	-0.61	-0.79
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-11.12	-20.32	-27.54
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.43	-0.77	-1.05
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.22	-0.39	-0.53
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-0.60	-1.11	-1.50
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.31	-0.59	-0.79
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.54	-0.71
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-14.25	-26.40	-35.62
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-14.25	-26.39	-35.61
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.08	-0.11
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.31	-9.95	-13.38
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-41.96	-80.03	-107.01
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-41.93	-79.97	-106.92
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.59	-1.13	-1.51
Laurel Area, MT	SO SO ₂ 2 (1971 24-hour/Annual)	Nonattainment, --	100	0	-5.27	-9.40	-12.84
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-4.82	-8.84	-11.97
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.76	-10.59	-14.33
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.74	-1.35	-1.83
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.99	-1.34
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.32	-4.33	-5.83
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-20.91	-37.45	-51.08
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.44	-0.90	-1.18
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-75.96	-171.68	-218.45
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-13.49	-26.19	-34.83
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-13.48	-26.19	-34.83
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-75.61	-171.07	-217.61
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-75.61	-171.06	-217.61

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-75.98	-171.73	-218.52
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-75.95	-171.64	-218.41
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-75.96	-171.68	-218.45
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-14.27	-28.30	-37.39
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-2.87	-5.34	-7.19
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-10.65	-19.66	-26.55
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.48	-11.64	-15.86
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.23	-0.63	-0.76
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.35	-0.74	-0.96
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-46.40	-91.41	-121.01
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.27	-10.40	-13.76
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.35	-0.65	-0.87
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.35	-0.65	-0.87
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-6.57	-11.74	-16.02
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.61	-3.06	-4.10
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-31.52	-58.32	-78.72
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-46.17	-85.09	-115.00
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.55	-1.02	-1.37
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.57	-1.05	-1.41
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.56	-1.03	-1.40
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-22.01	-42.05	-56.19
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-55.34	-105.54	-141.12
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-18.63	-33.33	-45.47
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-18.73	-33.53	-45.74
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.94	-5.76	-7.64
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.13	-3.92	-5.30
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.22	-0.29
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.17	-0.31	-0.42
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.26	-0.54	-0.70
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.13	-0.23	-0.31
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.13	-0.23	-0.32
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.19	-0.38	-0.50

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.38	-0.70	-0.94
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.73	-1.36	-1.83
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.56	-10.22	-13.83
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.63	-1.13	-1.54
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.20	-0.53	-0.65
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.12	-0.23	-0.31
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.53	-1.17	-1.50
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.54	-1.18	-1.51
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.94	-1.72	-2.33
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-35.96	-65.90	-89.22
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.80	-3.22	-4.39
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-13.64	-24.96	-33.80
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-321.03	-600.12	-807.43
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-191.23	-355.79	-479.42
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-314.66	-588.31	-791.49
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-314.49	-588.00	-791.08
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.15	-0.34	-0.43
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.09	-2.01	-2.72
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.64	-1.29	-1.70
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-42.67	-79.27	-106.87
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.15	-0.21
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.15	-2.18	-2.93
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.15	-2.18	-2.93
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.92	-1.70	-2.29
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.14	-5.81	-7.84
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.91	-1.63	-2.22
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.91	-1.63	-2.22
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.38	-0.76	-1.00
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.12	-0.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.97	-1.92	-2.54
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-2.44	-4.46	-6.04
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-27.00	-50.32	-67.76
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-91.75	-173.16	-232.28
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-110.50	-210.11	-281.19
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-110.46	-210.03	-281.09
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-44.85	-88.35	-116.96
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-46.67	-91.93	-121.71
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-47.80	-94.17	-124.67
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.51	-0.92	-1.26
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	-0.62	-1.22	-1.61
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.70	-1.30	-1.75
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-3.10	-6.14	-8.11
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.04	-5.48	-7.46
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-6.07	-11.30	-15.22
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-73.81	-135.68	-183.52
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-67.45	-123.99	-167.70
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.21	-0.40	-0.54
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.87	-1.59	-2.15
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-16.12	-31.55	-41.84
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.15	-0.21
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.25	-14.85	-20.22
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.37	-2.66	-3.53
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-7.12	-13.79	-18.35
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.24	-0.32
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-27.33	-52.96	-70.47
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.67	-2.97	-4.06
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-8.26	-15.48	-20.81
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.70	-1.84	-2.25
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.99	-3.59	-4.88
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-2.02	-4.68	-5.91

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-2.02	-4.68	-5.91
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-2.12	-5.04	-6.32
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-75.89	-171.39	-218.13
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.17	-0.30	-0.41
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.36	-13.19	-17.98
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.46	-9.73	-13.30
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-9.32	-19.70	-25.54
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-15.51	-30.51	-40.41
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-28.00	-54.83	-72.72
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-28.00	-54.83	-72.72
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-27.48	-53.79	-71.34
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-4.86	-9.18	-12.31
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-6.09	-11.22	-15.17
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-44.45	-82.64	-111.38
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-24.52	-45.75	-61.59
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-24.55	-45.81	-61.67
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-41.76	-78.56	-105.49
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-12.07	-22.91	-30.67
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-53.83	-103.64	-138.17
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-54.28	-104.48	-139.30
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-54.12	-104.17	-138.89
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-58.57	-120.75	-157.71
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-58.48	-120.57	-157.47
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-58.97	-121.60	-158.81
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-53.95	-111.22	-145.27
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-53.75	-104.03	-138.47
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-53.75	-104.03	-138.47
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-53.75	-104.04	-138.47
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-52.94	-102.59	-136.49
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-52.94	-102.59	-136.49
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.86	-3.32	-4.53
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.86	-3.32	-4.53

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.12	-0.24	-0.32
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.80	-6.79	-9.27
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.14	-0.26	-0.35
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.11	-2.05	-2.77
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-3.69	-7.17	-9.53
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-80.35	-149.77	-201.69
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-26.82	-48.88	-66.29
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-1.53	-2.86	-3.85
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-1.48	-2.77	-3.72
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.53	-2.86	-3.85
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.83	-1.52	-2.05
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.40	-2.53	-3.44
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-2.21	-4.01	-5.45
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.28	-0.52	-0.70
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-7.12	-13.79	-18.35
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.85	-1.53	-2.08
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-8.56	-15.94	-21.47
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.72	-16.25	-21.88
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-2.57	-4.86	-6.51
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-12.61	-22.53	-30.76
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.94	-3.57	-4.83
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-15.31	-28.77	-38.65
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-55.20	-103.13	-138.79
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-63.27	-118.43	-159.27
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.54	-9.99	-13.60
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-10.96	-19.76	-26.90
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.73	-5.60	-7.33
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.79	-1.45	-1.96
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.23	-0.41	-0.56
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.76	-16.52	-22.16
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.19	-0.39	-0.51
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-2.34	-4.31	-5.82
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.79	-1.63	-2.12
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.31	-0.43

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.06
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.26	-0.47	-0.64
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.66	-1.35	-1.77
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.45	-2.59	-3.53
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-10.29	-20.10	-26.68
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.79	-1.54	-2.05
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.11	-0.15
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.08	-1.95	-2.65
New Madrid County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
St. Lawrence County, NY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.10	-0.13
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-6.67	-11.88	-16.23
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.83	-15.76	-21.52
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.35	-4.20	-5.73
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.06	-0.09
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.50	-2.67	-3.64
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.06	-0.11	-0.15
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-22.32	-39.89	-54.44
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.34	-0.64	-0.86
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-13.11	-23.40	-31.95
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-15.52	-28.76	-38.80
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.63	-5.36	-7.03
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-9.11	-18.09	-23.89
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-9.10	-18.08	-23.88
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.65	-1.18	-1.60
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.55	-10.19	-13.79
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.37	-0.67	-0.92
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-1.61	-3.00	-4.04
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.75	-8.47	-11.57
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-7.65	-13.65	-18.63
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.67	-15.47	-21.12
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.42	-11.16	-14.59
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-70.72	-137.58	-182.84
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-70.76	-137.65	-182.93
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.67	-1.80	-2.19

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.76	-3.29	-4.43
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.70	-3.13	-4.23
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.61	-1.21	-1.60
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.75	-1.35	-1.84
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.28	-7.02	-9.07
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-3.27	-6.29	-8.39
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-1.68	-3.05	-4.14
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.68	-10.35	-14.04
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-2.74	-5.25	-7.01
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-5.54	-10.26	-13.84
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.96	-5.47	-7.38

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-12. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-48.45	-75.22	-102.90
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-139.44	-218.80	-300.78
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-32.65	-51.97	-71.90
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.77	-4.48	-6.24
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.84	-6.11	-8.45
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-47.40	-75.47	-104.44
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.21	-1.90	-2.61
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.55	-13.37	-18.35
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-26.82	-42.84	-59.38
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-28.34	-45.47	-63.13
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.56	-6.96	-9.44
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.44	-2.35	-3.29
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-9.94	-15.58	-21.41
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.59	-0.93	-1.27
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-31.45	-51.62	-72.40
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.41	-3.83	-5.31
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.71	-9.35	-13.09
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-103.09	-168.29	-235.47
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.59	-0.94	-1.29
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-9.23	-14.70	-20.35
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-6.50	-10.11	-13.83
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-27.83	-44.89	-62.48

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-21.85	-35.23	-49.03
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-26.04	-39.81	-54.05
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-3.65	-5.58	-7.58
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.40	-0.57
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-205.21	-335.07	-468.88
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-167.65	-272.36	-380.30
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.89	-1.49	-2.12
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-10.74	-17.91	-25.29
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.47	-0.76	-1.06
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-82.47	-135.38	-189.89
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-83.16	-136.51	-191.48
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-154.42	-238.56	-325.57
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.81	-1.28	-1.77
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.07	-3.25	-4.47
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-16.41	-25.78	-35.46
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-35.88	-55.01	-74.80
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-7.35	-11.21	-15.21
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-54.85	-88.39	-122.98
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-48.40	-75.15	-102.79
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.49	-2.32	-3.18
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-76.84	-119.95	-164.49
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.65	-5.58	-7.58
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.83	-1.27	-1.72
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.14	-0.24	-0.35
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-7.70	-12.44	-17.33
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.30	-2.15	-3.02
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.30	-2.15	-3.02
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.89	-1.48	-2.08
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-11.44	-18.74	-26.26
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-2.38	-4.28	-6.23
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.48	-2.30	-3.14
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-67.31	-103.65	-141.25
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-45.09	-74.62	-105.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-106.32	-173.05	-241.83
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-245.45	-397.38	-554.01
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-264.49	-428.69	-597.96
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-7.70	-12.44	-17.33
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.58	-4.21	-5.89
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-7.46	-12.06	-16.80
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-54.63	-91.32	-129.08
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-56.46	-94.43	-133.50
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-81.78	-133.41	-186.61
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-21.61	-36.42	-51.66
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-60.37	-101.40	-143.62
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-27.18	-45.95	-65.26
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-63.59	-106.71	-151.07
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-57.22	-96.27	-136.45
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-2.37	-3.70	-5.07
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-45.37	-71.27	-98.03
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-44.47	-74.85	-106.10
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-41.07	-69.14	-98.01
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.48	-5.54	-7.67
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.68	-12.04	-16.54
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.20	-0.31	-0.43
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.24	-3.43	-4.65
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-17.01	-28.68	-40.68
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-21.62	-36.44	-51.68
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-255.16	-418.81	-587.40
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-252.88	-414.91	-581.84
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-28.70	-45.10	-62.04
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-326.11	-511.34	-702.69
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-258.24	-404.52	-555.63
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-326.11	-511.34	-702.69
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-50.24	-82.17	-115.07
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-156.56	-254.95	-356.36
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.66	-13.98	-19.45
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-157.10	-255.82	-357.56
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.03	-3.14	-4.29

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.49	-2.30	-3.13
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.95	-3.05	-4.18
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.32	-2.04	-2.78
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-12.26	-19.04	-26.05
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-4.17	-6.43	-8.76
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.09	-0.12
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-2.46	-3.86	-5.31
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-18.13	-29.56	-41.35
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.09	-3.30	-4.55
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-9.70	-15.61	-21.70
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.25	-0.34
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.27	-3.50	-4.78
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-3.76	-5.83	-7.96
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.55	-2.37	-3.23
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-14.26	-21.88	-29.77
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-2.87	-4.41	-6.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-9.25	-14.69	-20.31
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.16	-0.29	-0.43
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.06	-4.73	-6.45
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.77	-2.88	-4.02
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-10.77	-18.17	-25.78
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.21	-1.96	-2.74
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.44	-0.68	-0.93
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-87.19	-138.67	-191.79
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-87.26	-138.78	-191.95
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-65.77	-101.82	-139.09
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.90	-7.51	-10.22
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-10.35	-15.82	-21.49
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-32.77	-53.71	-75.28

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-60.94	-96.93	-134.08
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.24	-0.40	-0.55
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.14	-0.23	-0.32
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.14	-0.22	-0.31
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.12	-1.78	-2.45
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.26	-0.41	-0.56
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-620.81	-972.18	-1,335.19
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-606.97	-950.38	-1,305.17
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.04	-3.23	-4.47
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.31	-5.17	-7.09
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-10.11	-16.42	-22.93
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-10.11	-16.42	-22.92
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-7.46	-12.22	-17.13
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-7.46	-12.22	-17.13
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-9.96	-16.17	-22.57
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.96	-4.65	-6.40
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-18.47	-28.46	-38.79
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.09
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-12.78	-21.33	-30.13
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.68	-1.08	-1.48
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.60	-2.62	-3.66
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.76	-9.38	-13.10
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-14.26	-22.22	-30.45
Jefferson County, KY	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.06
Jefferson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.03	-4.86	-6.74
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.33	-5.24	-7.23
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.97	-1.50	-2.04
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-10.33	-16.18	-22.22
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.20	-1.95	-2.73
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.89	-1.39	-1.91
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-12.08	-18.78	-25.71
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-12.08	-18.78	-25.71
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.72	-1.16	-1.62
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.52	-0.85	-1.19
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.08	-3.39	-4.75
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.08	-3.39	-4.74
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.38	-3.89	-5.43

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-32.79	-52.95	-73.75
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-40.72	-65.71	-91.48
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.98	-4.74	-6.56
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.28	-0.45	-0.62
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-4.70	-8.02	-11.44
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-28.22	-44.46	-61.22
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.75	-1.28	-1.82
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-18.45	-28.99	-39.87
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.65	-0.99	-1.35
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.33	-0.51	-0.69
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-1.03	-1.62	-2.24
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.58	-0.94	-1.31
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.66	-1.13	-1.61
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-24.94	-39.71	-54.95
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-24.94	-39.70	-54.94
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.08	-0.13	-0.18
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-9.71	-15.61	-21.71
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-81.85	-133.52	-186.76
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-81.78	-133.41	-186.61
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.17	-1.92	-2.68
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-7.88	-12.03	-16.33
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-8.15	-12.87	-17.74
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-9.76	-15.42	-21.26
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.21	-1.90	-2.61
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.86	-1.33	-1.81
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-4.20	-6.74	-9.37
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-31.91	-49.02	-66.71
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.06	-1.80	-2.56
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-245.97	-434.73	-628.50
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-28.02	-46.29	-65.11
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-28.01	-46.29	-65.11
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-245.50	-434.03	-627.56
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-245.48	-434.01	-627.53

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-246.04	-434.85	-628.67
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-245.90	-434.61	-628.32
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-245.97	-434.73	-628.50
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-31.77	-53.17	-75.20
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-5.09	-8.13	-11.27
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-18.37	-29.15	-40.28
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-10.00	-15.42	-21.02
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-1.15	-2.11	-3.10
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.92	-1.57	-2.24
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-101.13	-168.61	-238.06
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-11.54	-19.26	-27.21
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.65	-1.05	-1.46
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.65	-1.05	-1.46
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-9.92	-15.20	-20.65
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.10	-5.05	-7.05
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-54.89	-87.28	-120.72
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-79.21	-125.51	-173.30
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.95	-1.50	-2.07
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.97	-1.54	-2.12
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.96	-1.52	-2.10
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-43.19	-70.54	-98.73
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-107.85	-175.91	-246.04
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-28.25	-43.34	-58.96
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-28.41	-43.60	-59.31
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.27	-10.41	-14.67
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.62	-5.73	-7.91
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.30	-0.52	-0.75
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.28	-0.44	-0.60
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.65	-1.11	-1.58
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.21	-0.33	-0.45
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.21	-0.33	-0.45
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.44	-0.74	-1.06

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.67	-1.08	-1.50
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.31	-2.10	-2.91
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-9.44	-14.92	-20.58
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.98	-1.51	-2.06
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.93	-1.71	-2.50
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.25	-0.40	-0.57
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.59	-2.79	-4.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-1.60	-2.81	-4.05
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.58	-2.49	-3.44
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-60.35	-95.11	-131.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.72	-4.16	-5.66
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-22.74	-35.77	-49.23
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-581.61	-933.52	-1,296.53
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-340.28	-543.90	-753.99
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-570.41	-915.68	-1,271.83
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-570.11	-915.19	-1,271.14
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.48	-0.85	-1.22
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.86	-2.93	-4.05
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.51	-2.55	-3.62
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-75.50	-120.52	-166.97
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.15	-0.24	-0.34
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.19	-3.56	-4.96
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.19	-3.56	-4.96
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.59	-2.53	-3.50
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.49	-8.74	-12.09
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-1.37	-2.09	-2.84
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.37	-2.09	-2.84
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.89	-1.51	-2.14
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.12	-0.19	-0.26

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.17	-3.64	-5.15
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-4.06	-6.39	-8.80
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-48.34	-77.37	-107.33
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-172.22	-278.63	-388.34
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-213.11	-346.81	-484.62
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-213.02	-346.67	-484.42
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-97.72	-162.91	-230.01
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-101.71	-169.57	-239.42
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-104.25	-173.82	-245.43
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.79	-1.22	-1.66
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	-1.32	-2.19	-3.08
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.21	-1.91	-2.64
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-6.85	-11.46	-16.20
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.76	-7.37	-10.07
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-10.83	-17.32	-24.02
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-125.36	-198.14	-273.29
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-114.53	-181.01	-249.65
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.38	-0.60	-0.84
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.47	-2.32	-3.19
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-34.38	-57.09	-80.47
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.20	-0.28
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-12.83	-19.81	-27.03
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-2.79	-4.62	-6.49
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-14.65	-24.16	-33.96
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.26	-0.44	-0.61
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-56.32	-92.91	-130.59
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.50	-3.83	-5.20
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-15.11	-24.32	-33.80
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.24	-5.93	-8.69
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.16	-4.92	-6.73
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-6.96	-12.39	-17.96

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-6.96	-12.39	-17.96
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-7.78	-13.94	-20.26
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-245.26	-433.37	-626.47
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.27	-0.41	-0.57
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-11.27	-17.34	-23.61
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.16	-12.46	-16.92
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-25.17	-43.45	-62.24
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-33.65	-56.05	-79.12
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-59.80	-99.33	-140.02
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-59.79	-99.32	-140.00
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-58.62	-97.35	-137.23
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-9.13	-14.77	-20.60
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-10.44	-16.55	-22.86
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-78.85	-125.95	-174.54
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-44.14	-70.74	-98.18
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-44.20	-70.84	-98.32
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-77.50	-125.08	-174.13
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-23.13	-37.61	-52.52
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-108.53	-178.25	-250.07
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-109.32	-179.51	-251.81
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-109.00	-178.97	-251.06
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-147.22	-251.44	-358.59
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-147.00	-251.07	-358.07
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-148.32	-253.36	-361.34
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-135.58	-231.56	-330.24
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-110.37	-181.93	-255.64
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-110.37	-181.93	-255.64
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-110.37	-181.94	-255.65
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-109.15	-180.07	-253.11
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-109.15	-180.07	-253.11
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.82	-4.32	-5.88
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.82	-4.32	-5.88

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.28	-0.46	-0.65
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.75	-8.81	-11.98
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.22	-0.34	-0.47
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.89	-2.99	-4.13
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-7.66	-12.66	-17.80
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-143.98	-230.52	-319.80
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-44.01	-68.94	-94.71
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-2.79	-4.48	-6.23
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-2.69	-4.33	-6.02
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.79	-4.48	-6.23
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.38	-2.17	-2.99
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.25	-3.52	-4.82
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.56	-5.54	-7.59
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.52	-0.83	-1.16
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-14.65	-24.16	-33.95
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.33	-2.05	-2.80
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-15.32	-24.53	-34.03
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-15.61	-25.00	-34.67
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-4.88	-7.91	-11.04
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-19.02	-29.12	-39.56
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.29	-5.20	-7.17
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-28.32	-45.68	-63.58
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-99.78	-160.07	-222.27
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-115.17	-185.06	-257.15
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-8.69	-13.44	-18.36
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-17.19	-26.60	-36.33
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.73	-11.46	-16.32
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.36	-2.17	-3.00
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.35	-0.53	-0.72
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-16.41	-26.54	-36.99
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.45	-0.76	-1.07
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-4.02	-6.38	-8.81
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.97	-3.35	-4.78
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.26	-0.41	-0.55

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.10	-0.15
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.42	-0.65	-0.89
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-1.66	-2.83	-4.04
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-2.18	-3.33	-4.53
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-21.80	-36.15	-50.92
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.66	-2.75	-3.87
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.14	-0.19
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.68	-2.60	-3.55
New Madrid County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
St. Lawrence County, NY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.16	-0.29	-0.42
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-9.95	-15.18	-20.59
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-13.23	-20.22	-27.46
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.54	-5.42	-7.36
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.06	-0.09	-0.12
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.23	-3.41	-4.63
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.09	-0.14	-0.19
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-33.72	-51.64	-70.18
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.64	-1.04	-1.45
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-19.73	-30.20	-41.02
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-27.19	-43.30	-59.93
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.41	-10.89	-15.49
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-20.38	-34.14	-48.30
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-20.37	-34.12	-48.27
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.07	-1.69	-2.32
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-9.36	-14.76	-20.33
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.59	-0.91	-1.25
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-2.84	-4.53	-6.28
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-7.11	-10.85	-14.73
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-11.49	-17.57	-23.86
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-13.04	-19.94	-27.08
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.55	-23.13	-32.97
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-147.76	-244.40	-343.91
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-147.82	-244.50	-344.06
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.22	-5.91	-8.67

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.16	-5.06	-7.03
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.93	-4.65	-6.42
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.37	-2.30	-3.25
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-1.21	-1.88	-2.58
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-9.19	-15.94	-22.88
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-6.57	-10.80	-15.15
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-2.74	-4.28	-5.88
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-9.29	-14.55	-19.99
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-5.41	-8.85	-12.39
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-9.70	-15.44	-21.36
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.15	-8.19	-11.33

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-13. 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), 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	23.11	27.56	49.12
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	107.24	129.39	231.05
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	38.37	45.73	81.51
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.48	5.36	9.57
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	4.49	5.45	9.74
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	55.88	67.27	120.09
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.79	1.05	1.90
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	5.64	6.99	12.54
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	34.36	41.07	73.22
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	39.67	47.43	84.58
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.59	0.34	0.89
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	2.74	3.29	5.88
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	7.24	8.76	15.64
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.40	0.50	0.90
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	64.88	77.33	137.82
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	2.91	3.46	6.16
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	11.17	13.40	23.91
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	196.12	234.35	417.85
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.52	0.71	1.30
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	11.03	13.11	23.36
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.32	3.94	7.02
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	43.48	51.70	92.11

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	33.88	40.30	71.81
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.48	2.30	4.90
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	0.44	0.92
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.63	0.77	1.37
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	392.75	467.29	832.63
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	296.37	352.71	628.48
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	2.47	2.94	5.23
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	27.06	32.30	57.59
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.67	0.84	1.51
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	170.57	203.41	362.56
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	172.04	205.15	365.67
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	49.42	64.47	116.46
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.77	0.92	1.65
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.58	1.88	3.35
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	13.31	15.91	28.36
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	4.46	6.01	10.91
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.36	0.28	0.69
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	83.55	100.23	178.81
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	23.09	27.54	49.09
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.82	0.98	1.75
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	48.56	57.80	102.99
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.17	0.35	0.78
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.17	0.35
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.57	0.68	1.21
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	12.37	14.75	26.30
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	2.85	3.40	6.07
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	2.85	3.40	6.07
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	1.97	2.39	4.28
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	22.71	27.30	48.73
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	11.61	13.80	24.59
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.76	0.91	1.62
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	16.70	20.72	37.15
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	104.30	124.04	220.99

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	193.86	230.59	410.86
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	405.39	488.47	872.07
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	445.81	536.53	957.70
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	12.37	14.76	26.30
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.83	5.74	10.24
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	12.09	14.43	25.72
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	142.27	169.40	301.88
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	147.92	176.14	313.89
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	154.24	183.43	326.80
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	61.59	73.34	130.70
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	166.00	197.79	352.50
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	80.04	95.34	169.91
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	172.94	206.23	367.60
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	160.10	190.78	340.01
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	1.51	1.79	3.19
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	36.58	43.79	78.11
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	124.93	148.82	265.23
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	115.70	137.79	245.56
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.92	4.94	8.89
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.37	8.05	15.81
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.05	0.07	0.13
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	0.10	0.21
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	48.75	58.01	103.37
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	61.61	73.37	130.74
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	526.40	628.24	1,119.94
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	518.85	619.26	1,103.94
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	22.25	28.42	51.18
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	244.80	294.34	525.33
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	186.33	224.48	400.76
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	244.80	294.34	525.33
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	98.55	117.48	209.40
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	286.85	342.50	610.60
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	13.46	16.16	28.83
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	287.63	343.43	612.26
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.79	1.02	1.85

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.30	0.44	0.81
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.01	0.01
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.24	1.48	2.63
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.52	0.62	1.10
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.87	7.12	12.72
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-2.07	2.53	5.92
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.05	0.07	0.12
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	1.97	2.47	4.43
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	33.92	40.44	72.08
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.93	2.38	4.25
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	14.44	17.16	30.58
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.01	0.01
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.75	0.91	1.63
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	1.63	1.96	3.50
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.25	0.30	0.53
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.30	2.74	4.88
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.46	0.55	0.98
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	10.32	12.31	21.94
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.89	1.06	1.89
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.78	1.19	2.19
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.22	3.93	7.03
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	31.01	36.94	65.84
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.19	2.60	4.63
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.17	0.33
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	100.74	119.89	213.62
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	100.82	119.97	213.78
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	25.01	31.85	57.34
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.56	0.92	1.70
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.45	0.97	1.84
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	66.24	78.96	140.73

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	70.62	84.00	149.66
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.38	0.45	0.80
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.24	0.29	0.51
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.24	0.28	0.50
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	1.12	1.38	2.47
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.08	0.17	0.33
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	437.64	535.98	959.31
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	425.53	521.44	933.36
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	2.24	2.66	4.74
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	2.21	2.63	4.68
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	17.80	21.22	37.83
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	17.79	21.22	37.82
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	14.92	17.74	31.61
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	14.92	17.74	31.61
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	17.48	20.84	37.14
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.35	2.93	5.25
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	4.03	6.43	11.91
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.10	0.12	0.21
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	32.75	38.95	69.39
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.56	0.67	1.20
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	2.98	3.59	6.40
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	10.46	12.44	22.16
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	8.01	9.85	17.63
Jefferson County, KY	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.05	0.06	0.11
Jefferson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	4.10	4.88	8.69
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	2.91	3.71	6.68
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.20	0.39	0.75
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	6.77	9.15	16.61
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.18	2.59	4.61
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.51	0.60	1.08
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	5.17	8.11	14.99
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	5.17	8.11	14.99
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.24	1.47	2.62
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.91	1.08	1.92
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.87	4.60	8.19
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.86	4.60	8.19
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	4.43	5.27	9.39

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	52.20	62.40	111.26
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	63.83	76.31	136.07
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.55	4.23	7.54
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.41	0.49	0.88
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	15.31	18.22	32.47
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	21.68	31.04	56.78
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	2.47	2.94	5.24
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	11.76	19.23	35.74
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.09	0.11	0.20
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.05	0.06	0.10
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	1.02	1.22	2.18
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.93	1.11	1.99
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.09	2.49	4.43
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	29.59	35.25	62.82
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	29.59	35.25	62.83
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.12	0.14	0.26
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	14.44	17.17	30.58
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	154.37	183.58	327.07
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	154.24	183.43	326.80
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.28	2.73	4.87
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.28	0.38	0.88
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	7.75	9.24	16.47
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	8.86	11.49	20.74
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.79	1.05	1.90
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.31	0.36	0.65
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	5.98	7.11	12.66
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.93	7.26	13.34
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	3.19	3.83	6.84
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	1,061.44	1,264.47	2,253.49
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	62.27	76.03	136.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	62.26	76.02	135.99
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	1,061.85	1,264.91	2,254.24
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	1,061.77	1,264.81	2,254.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	1,061.68	1,264.76	2,253.99
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	1,061.07	1,264.03	2,252.70
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	1,061.44	1,264.47	2,253.49
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	84.05	99.96	178.09
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	6.54	7.78	13.87
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	19.40	24.11	43.26
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.10	3.58	6.68
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	6.47	7.69	13.71
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	3.10	3.69	6.57
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	255.73	304.04	541.68
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	29.50	35.08	62.49
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	1.06	1.27	2.27
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.06	1.27	2.27
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.84	1.23	2.25
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.63	6.69	11.92
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	63.25	75.30	134.18
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	83.13	98.99	176.41
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.99	1.17	2.09
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.00	1.19	2.13
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.99	1.18	2.11
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	82.99	98.95	176.38
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	202.34	241.74	431.02
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.43	5.31	9.46
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.46	5.34	9.52
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	15.07	17.92	31.92
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.58	4.27	7.62
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.15	1.38	2.46
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.19	0.23	0.42
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	2.09	2.48	4.43
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.14	0.19	0.33
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.15	0.20	0.35
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	1.29	1.53	2.72

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.91	1.09	1.95
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.78	2.13	3.79
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	9.24	11.01	19.62
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.30	0.40	0.72
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	5.08	6.04	10.77
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.53	0.63	1.13
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	6.41	7.65	13.63
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	6.44	7.68	13.69
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.43	1.71	3.04
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	54.11	64.32	114.60
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.21	0.36	0.68
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	19.29	22.95	40.90
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	825.33	981.72	1,749.16
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	442.14	525.95	937.11
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	811.73	965.60	1,720.45
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	811.23	964.99	1,719.38
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	2.05	2.44	4.34
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	1.83	2.17	3.87
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.44	5.28	9.41
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	94.87	113.46	202.32
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.22	0.26	0.47
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.80	4.52	8.06
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.80	4.52	8.06
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.86	2.25	4.02
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	6.51	7.81	13.94
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.05	0.12	0.24
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.12	0.24
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	2.62	3.13	5.58
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	0.04	0.08
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.17	0.22	0.40

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	5.82	6.94	12.37
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	3.38	4.04	7.21
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	63.96	77.40	138.28
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	282.48	338.24	603.29
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	386.11	461.48	822.86
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	385.89	461.23	822.41
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	247.07	293.75	523.35
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	257.21	305.80	544.82
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	263.72	313.54	558.60
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.29	0.38	0.69
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	3.13	3.72	6.63
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.25	1.48	2.64
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	18.05	21.46	38.23
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.54	2.35	4.33
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	14.30	17.12	30.54
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	121.12	146.96	262.65
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	110.43	133.99	239.48
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.48	0.57	1.01
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.40	1.67	2.97
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	82.91	98.66	175.79
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.05	0.05	0.10
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.24	5.04	8.97
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	6.46	7.68	13.69
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	32.26	38.50	68.63
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.64	0.77	1.38
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	124.70	148.40	264.43
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.29	0.37	0.87
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	22.36	26.72	47.64
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	17.69	21.03	37.46
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.61	1.91	3.41
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	31.54	37.57	66.94

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	31.54	37.57	66.94
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	36.93	43.97	78.36
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	1,056.53	1,258.64	2,243.09
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.12	0.15	0.26
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.82	3.22	6.03
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.20	0.39	0.88
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	90.04	107.56	191.78
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	82.80	100.93	180.51
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	143.13	172.81	308.63
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	143.11	172.79	308.58
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	140.00	169.08	301.97
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	15.18	18.04	32.14
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	10.70	13.38	24.02
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	100.44	120.07	214.10
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	60.39	72.46	129.28
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	60.49	72.57	129.48
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	121.96	145.41	259.18
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	40.11	49.69	89.09
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	226.31	269.17	479.58
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	227.28	270.32	481.62
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	226.59	269.49	480.16
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	478.13	570.97	1,017.94
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	477.46	570.17	1,016.52
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	482.27	575.89	1,026.70
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	440.33	525.95	937.72
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	239.54	289.08	516.24
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	239.54	289.09	516.24
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	239.55	289.10	516.27
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	239.50	288.96	516.00
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	239.50	288.96	516.00
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.29	0.53	0.99
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.29	0.52	0.98

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.70	0.84	1.49
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.65	0.84	1.51
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.08	0.09	0.16
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	1.86	2.22	3.95
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	17.25	20.55	36.63
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	193.96	230.63	410.90
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	32.18	38.29	68.22
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	4.08	4.85	8.64
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	3.95	4.70	8.37
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	4.08	4.85	8.64
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.16	1.38	2.46
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.40	1.66	2.96
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	2.04	2.43	4.32
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.85	1.01	1.80
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	32.25	38.50	68.62
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.47	0.62	1.12
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	20.56	24.45	43.56
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	20.95	24.91	44.38
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	8.45	10.04	17.90
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.66	2.54	5.02
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	3.15	3.79	6.77
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	43.43	52.78	94.36
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	139.25	166.98	297.89
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	166.21	199.04	355.01
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	3.10	4.15	7.52
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	6.54	8.14	14.61
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	21.26	25.28	45.05
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.37	1.90	3.47
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	26.88	31.97	56.95
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.29	1.54	2.74
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	4.31	5.14	9.16
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	6.34	7.54	13.43
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.03	0.04	0.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.22	0.27	0.49
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.13	0.30	0.58
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	5.46	6.49	11.56
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.08	0.22	0.43
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	51.74	61.51	109.59
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	3.85	4.58	8.17
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.54	0.70	1.27
New Madrid County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.02
St. Lawrence County, NY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.77	0.92	1.63
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.14	0.16	0.39
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.18	0.87	1.75
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.06	0.41	0.82
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.04	0.05	0.08
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.22	0.12	0.33
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	2.70	4.57	8.52
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.09	1.29	2.30
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.92	2.14	4.11
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	32.08	38.80	69.32
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	19.79	23.53	41.93
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	53.22	65.31	116.93
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	53.15	65.24	116.80
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.87	1.05	1.88
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	8.57	10.30	18.39
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.23	0.27	0.49
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	3.67	4.38	7.80
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.26	0.53
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.56	0.87	1.61
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.74	1.09	2.00
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	43.75	52.08	92.81
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	338.85	403.25	718.53
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	338.97	403.39	718.79
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	17.86	21.24	37.84

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	4.27	5.09	9.06
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.12	3.86	6.91
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	3.53	4.19	7.47
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.75	0.89	1.58
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	34.36	40.92	72.91
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	13.83	16.45	29.32
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	1.97	2.35	4.18
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	6.68	7.95	14.16
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	10.53	12.64	22.56
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	11.48	13.65	24.32
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	5.89	7.01	12.48

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-14. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	3.78	-11.36	-16.11
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	5.08	-54.97	-66.72
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	6.47	-18.80	-26.85
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.59	-2.23	-3.03
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-2.35	-2.63
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	3.90	-28.41	-35.57
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.74	-0.55	0.00
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.30	-3.18	-2.50
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	4.87	-17.01	-23.45
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	5.47	-19.66	-26.98
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.74	-1.32	5.94
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.19	-1.39	-1.74
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.12	-3.75	-4.36
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.24	-0.13
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	11.02	-31.77	-45.45
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.57	-1.41	-2.08
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.20	-5.60	-7.38
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	28.36	-96.98	-134.23
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.68	-0.40	0.13
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	2.15	-5.35	-7.90
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.65	-1.61	-2.38
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	8.43	-21.10	-31.13

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	6.42	-16.47	-24.16
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-24.04	-4.23	15.67
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-3.86	-0.71	2.48
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.33	-0.37
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	73.49	-191.10	-279.50
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	54.75	-144.34	-210.46
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.48	-1.20	-1.77
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	4.24	-13.36	-18.77
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-0.39	-0.25
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	28.08	-83.71	-118.93
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	28.36	-84.42	-119.98
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-38.01	-32.85	-4.92
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.11	-0.38	-0.53
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.31	-0.77	-1.13
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.89	-6.59	-9.09
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-5.04	-3.26	0.58
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.98	-0.92	4.04
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	8.85	-41.92	-55.12
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	3.78	-11.35	-16.10
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.15	-0.40	-0.58
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	8.92	-23.63	-34.42
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.70	-0.78	3.11
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.33	-0.25	0.84
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.09	-0.28	-0.40
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.97	-6.08	-8.58
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.46	-1.40	-1.98
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.46	-1.40	-1.98
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	-1.04	-1.14
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	1.87	-11.49	-14.64
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	2.26	-5.63	-8.32
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.15	-0.37	-0.55
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-3.95	-9.44	-7.36
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	20.01	-50.66	-74.54

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	36.78	-94.23	-138.28
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	24.76	-206.78	-255.81
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	32.51	-226.41	-284.69
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	1.97	-6.08	-8.58
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.91	-2.35	-3.44
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	1.93	-5.95	-8.39
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	25.50	-69.43	-100.52
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	26.50	-72.19	-104.52
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	29.65	-74.92	-110.29
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	10.97	-30.07	-43.48
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	28.69	-81.21	-116.61
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	14.09	-39.11	-56.39
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	28.46	-84.88	-120.58
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	27.56	-78.35	-112.40
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.29	-0.73	-1.08
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.59	-18.22	-24.59
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	21.82	-61.08	-87.91
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	20.50	-56.51	-81.60
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.59	-2.34	-1.30
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-43.17	-9.28	26.23
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.04	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.09	-0.19	0.71
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	9.04	-23.73	-34.64
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	10.98	-30.08	-43.49
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	82.45	-259.12	-364.35
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	80.98	-255.46	-358.93
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-12.09	-13.85	-5.43
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	20.14	-123.89	-157.79
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	11.69	-94.97	-117.76
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	20.14	-123.89	-157.79
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	16.54	-48.31	-68.92
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	43.66	-141.44	-197.73
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	1.31	-6.77	-8.81
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	43.80	-141.82	-198.28
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.51	-0.51	-0.14

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.61	-0.27	0.21
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.24	-0.60	-0.89
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.10	-0.25	-0.37
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-3.06	-3.44
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-42.02	-6.75	28.12
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	-0.03	-0.04
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.68	-1.14	-0.72
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	5.61	-16.65	-23.68
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.31	-1.06	-0.94
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	2.81	-7.00	-10.34
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.01	0.02
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.05	-0.40	-0.41
Fairbanks, AK	PM _{2.5} (2006 24-hour)	Nonattainment, Serious	100	0	0.12	-0.83	-1.04
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	-0.12	-0.18
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.45	-1.12	-1.65
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.09	-0.22	-0.33
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.69	-5.06	-7.17
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.17	-0.43	-0.64
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.02	-0.78	0.83
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-1.71	-1.79
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	5.38	-15.17	-21.80
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.43	-1.06	-1.56
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.68	-0.17	0.39
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	18.65	-49.06	-71.57
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	18.67	-49.09	-71.62
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-12.79	-15.42	-6.61
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.00	-0.66	0.95
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.54	-0.89	2.00
Harrisburg-Lebanon-Carlisle-York, PA	PM _{2.5} (2006 24-hour)	Maintenance, Moderate	100	0	11.17	-32.46	-46.35

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	13.44	-34.32	-50.41
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.07	-0.18	-0.27
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.05	-0.12	-0.17
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.05	-0.12	-0.17
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.20	-0.62	-0.53
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.65	-0.16	0.37
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-45.48	-236.67	-229.93
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-46.58	-230.56	-222.06
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.44	-1.09	-1.60
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.42	-1.07	-1.58
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	2.96	-8.73	-12.43
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	2.96	-8.73	-12.43
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	2.92	-7.27	-10.74
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	2.92	-7.27	-10.74
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	2.90	-8.57	-12.20
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.60	-1.34	-1.01
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-12.90	-4.50	5.87
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.02	-0.05	-0.07
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	6.32	-15.89	-23.42
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.29	-0.33
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.20	-1.51	-1.89
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.04	-5.07	-7.49
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.16	-4.39	-3.99
Jefferson County, KY	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	-0.03	-0.04
Jefferson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.77	-1.99	-2.92
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.54	-1.80	-0.74
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.29	-0.34	0.71
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-7.88	-4.99	1.04
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.42	-1.06	-1.56
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.10	-0.25	-0.36
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-15.36	-5.54	6.78
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-15.36	-5.54	6.78
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.24	-0.60	-0.88
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.18	-0.44	-0.65
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.74	-1.88	-2.76
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.74	-1.88	-2.76
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.84	-2.15	-3.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	7.35	-25.85	-35.60
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	8.87	-31.63	-43.46
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.59	-1.74	-2.48
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.08	-0.20	-0.30
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	2.84	-7.46	-10.88
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-39.65	-18.69	12.54
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.46	-1.20	-1.76
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-41.47	-13.86	19.58
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	-0.05	-0.07
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	-0.02	-0.03
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.17	-0.50	-0.72
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.13	-0.46	-0.64
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.37	-1.02	-1.47
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	5.15	-14.47	-20.81
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	5.15	-14.47	-20.81
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	-0.06	-0.09
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	2.81	-7.00	-10.34
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	29.68	-74.98	-110.38
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	29.65	-74.92	-110.29
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.30	-1.14	-1.54
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-5.96	-0.97	3.98
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	1.31	-3.80	-5.42
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-6.26	-5.78	-1.23
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.74	-0.55	0.00
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	-0.15	-0.22
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	1.16	-2.90	-4.28
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.69	-4.57	3.91
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.30	-1.61	-2.08
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	185.47	-518.95	-747.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-4.55	-33.30	-33.93
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-4.55	-33.30	-33.92
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	186.00	-519.06	-747.57
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	185.98	-519.02	-747.52

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	185.52	-519.06	-747.17
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	185.40	-518.76	-746.73
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	185.47	-518.95	-747.00
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	16.07	-40.83	-60.03
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	1.19	-3.19	-4.63
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.01	-11.05	-8.27
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.57	-2.69	4.24
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	1.26	-3.14	-4.64
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.60	-1.50	-2.22
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	49.71	-124.12	-183.22
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	5.68	-14.33	-21.10
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.16	-0.52	-0.73
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.16	-0.52	-0.73
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.76	-0.77	0.63
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.10	-2.73	-4.03
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	11.47	-30.84	-44.78
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	14.86	-40.58	-58.72
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.19	-0.48	-0.71
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.20	-0.49	-0.72
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.19	-0.48	-0.71
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	13.73	-40.71	-57.91
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	29.50	-100.01	-138.64
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.53	-2.21	-2.96
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.53	-2.22	-2.97
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	2.92	-7.31	-10.79
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.55	-1.76	-2.47
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.12	-0.58	-0.76
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.07
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.41	-1.01	-1.50
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.09	-0.09	-0.03
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.09	-0.10	-0.04
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.25	-0.62	-0.92

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.08	-0.46	-0.59
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.25	-0.88	-1.21
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.65	-4.51	-6.53
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.27	-0.21	-0.01
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.91	-2.48	-3.59
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.10	-0.26	-0.38
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	1.01	-3.15	-4.44
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	1.02	-3.17	-4.46
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.28	-0.70	-1.03
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	10.54	-26.25	-38.77
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.93	-0.28	0.47
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	3.64	-9.38	-13.75
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	156.52	-401.20	-588.68
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	83.60	-214.98	-315.21
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	153.54	-394.66	-578.73
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	153.44	-394.42	-578.36
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.39	-1.00	-1.47
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.36	-0.89	-1.31
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.84	-2.16	-3.16
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	12.96	-47.06	-64.45
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.04	-0.11	-0.16
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.74	-1.84	-2.72
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.74	-1.84	-2.72
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	-0.96	-1.11
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.66	-3.27	-4.27
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.49	-0.12	0.28
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.49	-0.12	0.28
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.39	-1.29	-1.80
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.53	-0.09	0.35
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.09	-0.11	-0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	1.00	-2.85	-4.08
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.42	-1.69	-2.27
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.13	-33.14	-38.58
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	34.96	-140.78	-189.57
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	54.77	-191.12	-263.59
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	54.73	-191.02	-263.44
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	48.02	-119.90	-176.99
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	50.00	-124.83	-184.27
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	51.28	-128.02	-188.98
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.23	-0.19	-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	0.61	-1.52	-2.24
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.24	-0.60	-0.89
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	3.51	-8.74	-12.91
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.04	-1.55	1.68
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	1.80	-7.12	-9.61
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.10	-63.36	-70.99
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.02	-57.77	-64.71
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.08	-0.23	-0.33
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.27	-0.68	-1.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	15.42	-40.36	-58.94
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	-0.02	-0.03
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.82	-2.05	-3.03
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	1.25	-3.10	-4.58
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	5.04	-15.88	-22.32
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	-0.32	-0.42
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	23.01	-60.73	-88.53
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.04	-0.97	4.04
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	3.23	-11.06	-15.30
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.44	-8.58	-12.67
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.31	-0.78	-1.15
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	5.61	-15.41	-22.28

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	5.61	-15.41	-22.28
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	6.66	-18.03	-26.14
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	184.52	-516.57	-743.48
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	-0.06	-0.09
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.40	-2.52	4.30
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.34	-0.89	3.54
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	13.26	-44.48	-61.78
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.63	-44.04	-46.04
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	5.83	-73.53	-88.44
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	5.83	-73.52	-88.42
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	5.24	-72.01	-86.20
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	2.95	-7.36	-10.87
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-3.42	-6.21	-4.14
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	14.04	-49.75	-68.44
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	6.24	-30.33	-39.74
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	6.26	-30.37	-39.81
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	20.33	-59.81	-85.20
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-8.86	-22.55	-18.06
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	43.17	-109.98	-161.60
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	43.35	-110.45	-162.29
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	43.22	-110.11	-161.79
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	72.07	-235.91	-329.15
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	71.94	-235.58	-328.67
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	72.88	-237.91	-332.11
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	65.30	-217.43	-302.42
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	10.81	-122.90	-148.71
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	10.81	-122.90	-148.71
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	10.81	-122.91	-148.72
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	11.48	-122.76	-149.12
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	11.48	-122.76	-149.12
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.44	-0.42	0.75
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.44	-0.42	0.75

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.14	-0.34	-0.51
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.37	-0.41	-0.15
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	-0.04	-0.06
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.36	-0.90	-1.34
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	3.02	-8.43	-12.14
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	37.49	-94.15	-138.79
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	5.99	-15.67	-22.88
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.79	-1.98	-2.92
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.77	-1.92	-2.83
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.79	-1.98	-2.92
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.21	-0.57	-0.82
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.27	-0.68	-1.00
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.40	-0.99	-1.46
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.17	-0.41	-0.61
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	5.04	-15.88	-22.32
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.37	-0.32	-0.05
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	3.98	-9.98	-14.72
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	4.06	-10.17	-15.00
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	1.61	-4.10	-6.03
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-14.53	-3.05	8.91
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.18	-1.61	-1.98
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-1.13	-22.85	-24.98
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	15.19	-69.78	-92.14
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	20.44	-82.86	-111.46
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-3.22	-2.22	0.22
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.80	-3.74	-2.72
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	4.03	-10.33	-15.16
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.01	-1.09	0.48
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.01	0.02
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	5.16	-13.06	-19.21
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.21	-0.63	-0.90
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.71	-2.11	-3.01
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.23	-3.07	-4.54
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.02	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.13	-0.09
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-1.22	-0.29	0.70
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	1.04	-2.65	-3.90
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.04	-0.24	0.62
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	10.08	-25.10	-37.07
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.64	-1.89	-2.69
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	0.00	0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.42	-0.36	-0.05
New Madrid County, MO	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	0.15	-0.37	-0.55
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.78	-0.45	1.86
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.52	-1.12	3.43
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.79	-0.55	1.75
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	-0.02	-0.03
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.23	-0.49	2.19
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.02	0.00	0.01
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-10.80	-3.42	5.31
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.21	-0.53	-0.78
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-8.55	-2.07	4.93
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.75	-16.59	-19.47
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	3.78	-9.61	-14.13
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-6.67	-28.99	-27.23
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-6.68	-28.96	-27.19
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	-0.45	-0.54
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.71	-4.34	-5.53
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.04	-0.11	-0.16
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.63	-1.79	-2.56
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.61	-0.33	1.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.63	-0.60	0.71
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.64	-0.69	0.61
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	7.89	-21.34	-30.94
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	62.72	-165.01	-240.71
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	62.74	-165.07	-240.79
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	3.48	-8.66	-12.80

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.76	-2.09	-3.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.63	-1.74	-1.44
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.69	-1.73	-2.55
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.15	-0.36	-0.54
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	6.16	-16.77	-24.28
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	2.63	-6.71	-9.85
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.38	-0.96	-1.41
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	1.30	-3.24	-4.79
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	1.07	-5.29	-6.92
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	2.24	-5.57	-8.23
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.15	-2.86	-4.23

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-15. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-29.64	-73.50	-119.21
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-149.06	-352.44	-557.49
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-48.91	-121.57	-197.38
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.87	-14.36	-23.13
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-6.47	-14.96	-23.38
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-76.48	-182.44	-289.95
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.84	-3.37	-4.48
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-9.34	-20.08	-30.04
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-44.67	-109.76	-177.16
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-51.72	-126.87	-204.61
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-7.48	-6.57	-0.86
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.74	-8.93	-14.20
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-10.28	-24.01	-37.73
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.73	-1.49	-2.14
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-82.58	-205.40	-333.59
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.63	-9.14	-14.92
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-14.89	-36.07	-57.79
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-254.47	-625.99	-1,011.06
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.40	-2.40	-3.01
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-13.78	-34.66	-56.61
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.14	-10.42	-17.02
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-54.38	-136.69	-223.19

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-42.52	-106.67	-173.99
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-22.18	-21.84	-8.27
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-3.65	-3.71	-1.65
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.92	-2.12	-3.31
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-493.71	-1,237.36	-2,017.31
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-373.21	-934.36	-1,522.51
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-3.08	-7.76	-12.67
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-35.05	-86.65	-140.31
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.18	-2.46	-3.60
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-218.08	-541.14	-877.85
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-219.90	-545.72	-885.33
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-107.10	-201.79	-275.03
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.01	-2.47	-3.99
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.98	-4.97	-8.12
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-17.30	-42.51	-68.62
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-11.19	-19.76	-25.51
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.16	-4.61	-0.77
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-111.49	-269.84	-432.19
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-29.62	-73.46	-119.13
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.04	-2.60	-4.24
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-61.02	-152.72	-248.81
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.22	-4.00	-1.20
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.28	-1.33	-0.65
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.73	-1.81	-2.93
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-15.87	-39.29	-63.67
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-3.66	-9.06	-14.69
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.66	-9.06	-14.69
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-2.87	-6.61	-10.32
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-30.81	-73.85	-117.69
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-14.50	-36.47	-59.55
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.95	-2.40	-3.92
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-27.73	-59.51	-88.95
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-130.64	-328.10	-535.48

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-243.19	-610.21	-995.42
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-558.27	-1,327.12	-2,105.31
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-608.90	-1,454.26	-2,312.82
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-15.87	-39.29	-63.67
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-6.05	-15.18	-24.76
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-15.53	-38.44	-62.29
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-179.89	-449.26	-731.17
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-187.06	-467.14	-760.25
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-193.23	-485.38	-792.24
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-77.94	-194.57	-316.58
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-210.92	-525.26	-853.65
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-101.46	-253.03	-411.51
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-221.10	-548.63	-890.00
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-203.53	-506.72	-823.38
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.88	-4.72	-7.71
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-48.13	-117.44	-188.90
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-158.52	-395.08	-642.33
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-146.53	-365.61	-594.75
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.14	-14.62	-21.19
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-44.49	-50.01	-31.75
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.13	-0.23	-0.31
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.00	-0.97	-0.34
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-61.34	-153.62	-250.36
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-77.97	-194.63	-316.68
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-676.96	-1,674.00	-2,710.85
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-667.52	-1,650.26	-2,672.09
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-43.43	-85.94	-121.56
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-332.13	-796.22	-1,268.81
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-256.23	-609.50	-967.24
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-332.13	-796.22	-1,268.81
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-125.70	-312.35	-507.06
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-370.11	-913.45	-1,477.79
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-18.07	-43.59	-69.69
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-371.09	-915.91	-1,481.80
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.63	-3.15	-4.39

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.01	-1.61	-1.87
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.01	-0.01	-0.02
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.55	-3.89	-6.36
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.65	-1.64	-2.67
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-8.45	-19.55	-30.57
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-37.03	-34.10	-8.07
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.17	-0.28
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-3.39	-7.04	-10.28
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-43.42	-107.78	-174.88
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.06	-6.73	-10.20
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-18.01	-45.29	-73.96
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.04	-0.02
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.12	-2.54	-3.92
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-2.23	-5.32	-8.46
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.31	-0.78	-1.28
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.88	-7.23	-11.81
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.58	-1.46	-2.38
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-13.14	-32.59	-52.85
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-1.11	-2.80	-4.57
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.04	-4.56	-4.97
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.79	-10.91	-16.90
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-39.38	-98.12	-159.48
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.72	-6.85	-11.19
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.75	-0.91	-0.69
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-126.83	-317.59	-517.56
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-126.92	-317.82	-517.93
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-48.06	-95.82	-136.27
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.70	-3.80	-3.80
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.01	-4.94	-3.92
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-84.43	-209.87	-340.75

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-88.58	-222.33	-362.73
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.48	-1.21	-1.98
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.31	-0.77	-1.27
Hayden, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.30	-0.76	-1.24
Hillsborough County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.80	-3.94	-5.95
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.73	-0.89	-0.70
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-671.35	-1,502.99	-2,304.97
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-655.02	-1,463.70	-2,242.26
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.80	-7.04	-11.49
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.76	-6.94	-11.33
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-22.73	-56.44	-91.60
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-22.72	-56.42	-91.56
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-18.86	-47.43	-77.45
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-18.86	-47.43	-77.45
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-22.32	-55.42	-89.93
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.97	-8.49	-12.65
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-18.05	-26.00	-26.80
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.31	-0.51
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-40.93	-102.86	-167.91
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.79	-1.84	-2.88
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.07	-9.70	-15.40
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-13.07	-32.86	-53.67
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-12.60	-27.82	-42.32
Jefferson County, KY	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.07	-0.17	-0.28
Jefferson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.15	-12.91	-21.05
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.64	-11.21	-15.90
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.51	-1.92	-1.62
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-17.20	-30.22	-38.84
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.72	-6.83	-11.15
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.63	-1.59	-2.60
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-21.95	-32.00	-33.54
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-21.95	-32.00	-33.54
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.54	-3.87	-6.31
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.13	-2.83	-4.62
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.84	-12.16	-19.84
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.84	-12.15	-19.83
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-5.55	-13.92	-22.71

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-67.92	-166.81	-269.19
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-83.15	-204.07	-329.20
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.53	-11.26	-18.27
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.52	-1.31	-2.14
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-19.27	-48.26	-78.66
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-68.86	-110.96	-131.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.11	-7.79	-12.70
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-56.34	-79.64	-79.99
Lake County; Polson, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.12	-0.29	-0.47
Lake County; Ronan, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.15	-0.24
Lake Tahoe Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-1.31	-3.25	-5.28
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-1.21	-2.98	-4.81
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.67	-6.67	-10.85
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-37.56	-93.59	-152.14
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-37.57	-93.60	-152.16
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.15	-0.38	-0.63
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-18.01	-45.30	-73.98
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-193.39	-485.79	-792.90
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-193.23	-485.38	-792.24
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.00	-7.33	-11.80
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-5.28	-4.90	-1.24
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-9.88	-24.57	-39.88
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-18.64	-35.55	-48.93
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-1.84	-3.37	-4.47
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.38	-0.96	-1.58
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-7.47	-18.79	-30.69
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-17.29	-26.96	-30.70
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.30	-10.37	-16.57
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1,346.90	-3,357.11	-5,458.20
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-93.60	-211.74	-326.73
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-93.59	-211.72	-326.69
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-1,346.99	-3,357.96	-5,460.09
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-1,346.89	-3,357.70	-5,459.68

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-1,347.20	-3,357.86	-5,459.42
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-1,346.43	-3,355.92	-5,456.26
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-1,346.90	-3,357.11	-5,458.20
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-105.32	-264.45	-431.53
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-8.24	-20.61	-33.57
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-32.60	-69.51	-103.46
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-11.17	-15.37	-14.82
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-8.09	-20.33	-33.21
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.87	-9.74	-15.90
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-319.87	-804.29	-1,313.38
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-36.95	-92.82	-151.51
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-1.37	-3.39	-5.48
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.37	-3.39	-5.49
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-2.89	-4.53	-5.19
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-7.03	-17.69	-28.89
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-79.86	-199.62	-325.02
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-105.16	-262.58	-427.30
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.23	-3.10	-5.06
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.26	-3.16	-5.16
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.24	-3.13	-5.11
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-106.03	-263.19	-427.05
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-262.30	-645.59	-1,042.97
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.83	-14.19	-22.79
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.86	-14.27	-22.92
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-18.83	-47.35	-77.31
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.61	-11.39	-18.44
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.53	-3.70	-5.93
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.34	-0.70	-1.02
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-2.61	-6.56	-10.71
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.29	-0.57	-0.80
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.30	-0.60	-0.85
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-1.61	-4.04	-6.60

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.23	-2.95	-4.71
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.32	-5.69	-9.17
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-11.69	-29.19	-47.50
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.68	-1.26	-1.68
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-6.41	-16.02	-26.07
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.67	-1.67	-2.73
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-8.23	-20.37	-32.99
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-8.26	-20.45	-33.14
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.80	-4.52	-7.39
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-67.62	-170.05	-277.72
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.18	-1.59	-1.49
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-24.23	-60.76	-99.09
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1,035.46	-2,598.03	-4,238.04
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-554.97	-1,392.11	-2,270.59
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1,018.78	-2,555.62	-4,168.39
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-1,018.15	-2,554.02	-4,165.79
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-2.56	-6.44	-10.52
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-2.28	-5.74	-9.38
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.57	-13.98	-22.79
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-123.82	-303.55	-489.42
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.28	-0.70	-1.14
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.74	-11.93	-19.48
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.74	-11.93	-19.48
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.62	-6.12	-9.60
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-8.70	-21.02	-33.63
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.55	-0.66	-0.50
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.55	-0.66	-0.50
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-3.39	-8.35	-13.49
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.47	-0.44	-0.12
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.33	-0.66	-0.94

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-7.40	-18.42	-29.93
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-4.46	-10.88	-17.49
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-90.72	-212.08	-333.38
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-372.12	-907.37	-1,458.89
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-501.96	-1,233.40	-1,990.91
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-501.69	-1,232.71	-1,989.79
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-308.95	-776.83	-1,268.53
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-321.70	-808.87	-1,320.86
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-330.02	-829.79	-1,355.02
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.61	-1.13	-1.52
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	-3.92	-9.85	-16.08
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.56	-3.92	-6.40
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-22.47	-56.50	-92.26
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.05	-9.06	-9.83
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-18.78	-45.83	-73.72
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-174.86	-404.74	-632.73
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-159.45	-369.04	-576.91
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.60	-1.50	-2.44
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.75	-4.41	-7.20
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-104.30	-261.27	-425.85
Power-Bannock Counties; Fort Hall Indian Reservation, ID	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.14	-0.23
Power-Bannock Counties; Portneuf Valley Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.29	-13.31	-21.73
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-7.87	-19.80	-32.34
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-41.49	-102.59	-166.11
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.86	-2.08	-3.33
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-157.05	-393.15	-640.59
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.33	-4.92	-1.20
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-29.02	-71.37	-115.26
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-22.08	-55.53	-90.69
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.01	-5.07	-8.28
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-40.00	-99.85	-162.45

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-40.00	-99.85	-162.45
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-46.73	-116.75	-190.06
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1,340.78	-3,341.71	-5,433.06
Rosebud County; Lame Deer, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.16	-0.40	-0.64
Routt County (part); Steamboat Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-10.61	-14.27	-13.29
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.79	-4.53	-1.33
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-116.59	-287.14	-464.03
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-123.23	-280.48	-434.30
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-199.77	-471.13	-744.19
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-199.74	-471.06	-744.08
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-195.82	-461.24	-728.06
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-18.94	-47.63	-77.78
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-18.56	-38.88	-57.20
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-130.77	-321.04	-517.99
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-80.72	-195.19	-312.45
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-80.85	-195.49	-312.95
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-155.68	-386.66	-627.53
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-65.92	-142.15	-213.08
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-283.80	-712.41	-1,162.40
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-284.99	-715.41	-1,167.29
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-284.13	-713.25	-1,163.76
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-617.69	-1,523.53	-2,464.00
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-616.85	-1,521.43	-2,460.56
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-622.84	-1,536.49	-2,485.16
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-569.72	-1,403.75	-2,269.08
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-333.53	-787.95	-1,245.80
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-333.54	-787.96	-1,245.81
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-333.55	-787.99	-1,245.86
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-332.84	-787.18	-1,245.31
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-332.84	-787.18	-1,245.31
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.79	-2.39	-2.18
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-1.79	-2.38	-2.17

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.90	-2.26	-3.69
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.29	-2.54	-3.58
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.24	-0.40
Santa Cruz County; Nogales planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-2.33	-5.86	-9.57
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-21.89	-54.56	-88.71
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-242.62	-609.76	-995.48
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-40.50	-101.45	-165.35
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-5.10	-12.83	-20.95
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-4.93	-12.41	-20.26
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.10	-12.83	-20.95
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.47	-3.67	-5.97
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.75	-4.39	-7.17
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-2.55	-6.41	-10.47
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-1.06	-2.66	-4.35
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-41.49	-102.58	-166.10
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-1.03	-1.94	-2.64
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-25.74	-64.68	-105.61
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-26.22	-65.91	-107.61
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-10.58	-26.56	-43.34
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-14.77	-16.36	-9.95
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.34	-10.31	-16.34
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-63.39	-145.82	-227.18
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-185.37	-449.27	-720.07
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-219.08	-534.04	-858.48
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-7.52	-13.49	-17.65
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-11.09	-23.55	-34.94
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-26.67	-66.92	-109.16
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.89	-6.54	-8.07
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.03	-0.01
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-33.67	-84.56	-138.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.65	-4.10	-6.65
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.51	-13.67	-22.18
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.90	-19.86	-32.44
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	-0.13	-0.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.37	-0.79	-1.18
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-1.34	-1.62	-1.22
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-6.83	-17.14	-27.97
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-1.11	-1.29	-0.89
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-64.64	-162.57	-265.49
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.91	-12.19	-19.79
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.17	-2.20	-3.00
New Madrid County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.03	-0.05
St. Lawrence County, NY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.96	-2.43	-3.96
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.45	-2.25	-0.52
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.50	-5.96	-3.39
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.74	-2.93	-1.57
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.12	-0.20
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.76	-2.43	-0.32
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.02	-0.02	0.00
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-14.15	-19.53	-18.94
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.35	-3.40	-5.55
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-9.45	-11.40	-8.64
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-45.33	-106.20	-167.14
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-24.82	-62.32	-101.69
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-82.72	-183.87	-280.80
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-82.64	-183.67	-280.47
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.21	-2.86	-4.53
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-11.62	-27.87	-44.42
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.30	-0.74	-1.20
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-4.60	-11.45	-18.61
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.62	-1.77	-1.03
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-2.36	-3.46	-3.66
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.62	-4.05	-4.58
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-55.27	-138.10	-224.81
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-426.61	-1,068.21	-1,740.76
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-426.76	-1,068.59	-1,741.37
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-22.30	-56.09	-91.60

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.41	-13.50	-21.96
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.07	-11.01	-16.56
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-4.51	-11.34	-18.51
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.94	-2.35	-3.84
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-43.45	-108.51	-176.60
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-17.26	-43.32	-70.67
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-2.46	-6.18	-10.09
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.34	-20.98	-34.27
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-14.10	-34.06	-54.51
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-14.37	-36.12	-58.99
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-7.39	-18.59	-30.36

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-16. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acetaldehyde, 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.03
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.07	0.13
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.04	0.04	0.08
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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	0.02	0.03	0.05
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.03	0.03	0.06
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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.01	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	0.04	0.05	0.09
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.13	0.15	0.27
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.03	0.06

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.03	0.05
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	0.25	0.30	0.55
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.19	0.23	0.41
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Baltimore Area, 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	0.11	0.13	0.24
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.11	0.13	0.24
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.03	0.03	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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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	0.05	0.06	0.12
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.03
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.04	0.07
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.02	0.03
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	0.02
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.07	0.08	0.15

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.13	0.15	0.27
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.27	0.32	0.57
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.29	0.35	0.63
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Chico Area, 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	0.01	0.01	0.02
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.11	0.20
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.10	0.12	0.21
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.10	0.12	0.22
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.05	0.09
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.11	0.13	0.23
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.05	0.06	0.11
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.11	0.13	0.24
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.10	0.12	0.22
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.08	0.10	0.17
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.08	0.09	0.16
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	0.01
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.04	0.07
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.09
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.33	0.39	0.71
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.32	0.38	0.70
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.02	0.02	0.03
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.15	0.17	0.32
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	0.11	0.13	0.24
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.15	0.17	0.32
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.06	0.08	0.14
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.19	0.22	0.40
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.02
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.19	0.22	0.40
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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	0.02	0.03	0.05
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.02	0.02	0.04
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.07	0.08	0.14
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.07	0.08	0.14
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.09

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.06	0.10
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	0.23	0.27	0.52
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.23	0.26	0.50
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	0.02
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 Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.02	0.03	0.05
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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.01	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)	Nonattainment, --	100	0	0.00	0.00	0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	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, Serious	50	0	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.03	0.04	0.07
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.09
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	0.03
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	0.01	0.02
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	0.02	0.04
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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	0.02
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.10	0.12	0.22
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.10	0.12	0.22
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.69	0.83	1.48
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.04	0.05	0.09
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.04	0.05	0.09
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.69	0.83	1.48
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.69	0.83	1.48

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.69	0.83	1.48
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.69	0.83	1.48
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.69	0.83	1.48
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.07	0.12
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.02	0.03
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.17	0.20	0.36
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.05	0.09
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.05	0.06	0.12
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.05	0.06	0.12
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.13	0.16	0.28
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, 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
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	0.01	0.01	0.01
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	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
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.01	0.01
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.04	0.08
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.03
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.54	0.64	1.15
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.29	0.34	0.62
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.53	0.63	1.13
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.53	0.63	1.13
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.06	0.07	0.13
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.05	0.09
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.18	0.22	0.40
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.25	0.30	0.54
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.25	0.30	0.54
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.16	0.19	0.34
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.17	0.20	0.36
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.17	0.21	0.37
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.01	0.03
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.08	0.09	0.17
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.07	0.08	0.15
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.06	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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.01	0.01
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.02	0.03	0.04
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.08	0.10	0.17
Ramsey County; (part), 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	0.03
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.02	0.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.02	0.04
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.02	0.03	0.05
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.69	0.82	1.47
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	-0.02
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	0.07	0.13
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.06	0.12
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.09	0.11	0.20
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.09	0.11	0.20
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.09	0.11	0.20
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.07	0.08	0.14
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.08
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.04	0.05	0.08
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.09	0.17
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.03	0.03	0.06
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.15	0.18	0.32
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.15	0.18	0.32
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.15	0.18	0.32
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.31	0.37	0.67
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.31	0.37	0.67
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.31	0.38	0.67
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.29	0.34	0.61
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.16	0.19	0.33
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.16	0.19	0.33
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.16	0.19	0.33
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.16	0.19	0.33
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.16	0.19	0.33
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.01	0.02
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.13	0.15	0.27
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.03	0.04
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.03	0.04
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.02	0.03
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	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. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.03	0.06
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.11	0.19
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.11	0.13	0.23
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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.04
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	0.01
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07
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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	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
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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	0.02	0.02	0.04
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.03	0.04	0.07
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.03	0.04	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, --	100	0	0.01	0.01	0.01
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.03	0.06
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	0.22	0.26	0.47
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.22	0.26	0.47
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.00
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.13	-0.17
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.00
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.02	-0.01	-0.01
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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	0.01	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	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 Area, 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	0.02	0.00	0.01
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.07	0.01	0.02
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.00	0.00
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.08
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	-0.01	-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	100	0	0.13	0.00	0.01
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.00	0.01
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	-0.01	-0.01
Baltimore Area, 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	0.06	0.01	0.01
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.06	0.01	0.01
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.02	-0.06	-0.08
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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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	0.02	-0.01	-0.01
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.01	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 Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.00	0.00
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	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, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.03
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.06	0.00	0.01
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.14	0.02	0.04
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.16	0.02	0.04
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico Area, 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	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.01	0.01
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.05	0.01	0.01
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.05	0.01	0.02
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.00	0.01
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.06	0.01	0.02
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.03	0.00	0.01
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.06	0.00	0.01
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.06	0.01	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 Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.00
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.04	0.00	0.01
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.04	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, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.00	0.01
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.09	-0.15	-0.18
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	-0.15	-0.18
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.01	0.00	0.00
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.14	-0.18
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.13	-0.17
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	-0.14	-0.18
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.00	0.01
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.10	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	0.10	0.01	0.02
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.01
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.00	0.00
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.00	0.00
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.03	0.00	0.01
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.04	0.00	0.01
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.13	-0.18
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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.00	0.01
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	-0.18	-0.60	-0.82
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.18	-0.60	-0.81
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.01	0.00	0.00
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.00	0.00
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.00	0.00
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.01	0.00	0.00
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.00	0.00
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	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)	Nonattainment, --	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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	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, Serious	50	0	0.00	-0.01	-0.01
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.02	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.00	0.01
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.00	0.00
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.00	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	0.00	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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.00	0.00
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.00
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.00
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.05	0.01	0.02
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.01	0.02
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.11	-0.16
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.37	0.04	0.09
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.00	0.00
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.00	0.00
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.37	0.04	0.09
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.37	0.04	0.09

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.37	0.04	0.09
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.37	0.04	0.09
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.37	0.04	0.09
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	0.00	0.01
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.09	0.01	0.03
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	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, Marginal	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.00	0.01
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.03	0.00	0.01
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.03	0.00	0.01
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	0.01	0.02
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	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 County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.00	0.01
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.00	0.00
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.29	0.03	0.08
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.15	0.02	0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.28	0.03	0.07
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.28	0.03	0.07
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	0.00	0.01
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.00	0.01
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.10	0.01	0.03
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.13	0.02	0.04
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.13	0.02	0.04
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.09	0.01	0.02
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.09	0.01	0.03
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.00	0.00
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.14
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	-0.03	-0.04
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	-0.03	-0.03
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	0.00	0.00
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.00	0.01
Ramsey County; (part), 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	0.00	0.00
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.01	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.01	0.00	0.00
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.00	0.00
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.36	0.04	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	-0.06	-0.11	-0.16
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.00	0.01
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	-0.01	-0.01
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.04	0.00	0.00
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.04	0.00	0.00
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.04	0.00	0.00
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.03	0.00	0.01
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.00	0.00
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.02	0.00	0.00
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.00	0.00
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	-0.01	-0.01
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.08	0.01	0.02
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.08	0.01	0.02
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.08	0.01	0.02
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.16	0.01	0.03
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.16	0.01	0.03
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.16	0.01	0.03
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.15	0.01	0.03
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.07	-0.01	0.00
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.07	-0.01	0.00
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.07	-0.01	0.00
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.07	-0.01	0.00
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.07	-0.01	0.00
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.00	0.00
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.07	0.01	0.02
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.00	0.00
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.00	0.00
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.00
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.00	0.00
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.00	0.01
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.06	0.00	0.01
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	-0.01	-0.01
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.00
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.02	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	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
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	-0.02	-0.03	-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	-0.03	-0.04
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	-0.01	-0.01
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.00
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	-0.01	-0.01
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.01	-0.01	-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, --	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 Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.00	0.00
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	0.12	0.01	0.03
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.12	0.01	0.03
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.00
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, 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

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.05
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.33	-0.49
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.06	-0.09
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.09	-0.15
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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	-0.02
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.05	-0.08
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.06	-0.09
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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	-0.01	-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	-0.04	-0.10	-0.15
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.12	-0.29	-0.47
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.06	-0.10

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.05	-0.08
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.11
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	-0.01	-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	100	0	-0.26	-0.61	-0.96
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.20	-0.46	-0.73
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.05	-0.08
Baltimore Area, 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	-0.11	-0.26	-0.41
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.11	-0.26	-0.41
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.09	-0.16	-0.24
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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-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	-0.06	-0.14	-0.22
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.03	-0.05
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.07	-0.11
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-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	0.00
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.04	-0.06
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.05	-0.08
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.07	-0.16	-0.25

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.12	-0.29	-0.47
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.25	-0.61	-0.97
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.28	-0.67	-1.07
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.21	-0.34
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.09	-0.22	-0.35
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.10	-0.23	-0.36
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.09	-0.15
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.25	-0.40
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.05	-0.12	-0.19
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.11	-0.26	-0.42
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.10	-0.24	-0.38
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.06	-0.09
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.08	-0.19	-0.30
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.07	-0.18	-0.28
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.07	-0.12
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.09	-0.15
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.47	-1.00	-1.54
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.46	-0.99	-1.52
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.06
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.28	-0.55	-0.84
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.23	-0.45	-0.68
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.28	-0.55	-0.84
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.15	-0.24
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.18	-0.43	-0.69
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.18	-0.44	-0.69
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.02
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.06	-0.09
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.02
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.05	-0.07
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.06	-0.15	-0.24
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.15	-0.24
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.13	-0.21	-0.30
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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.10	-0.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.10	-0.17
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	-0.79	-1.46	-2.14
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.78	-1.43	-2.11
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	-0.01
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.04
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.04
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.03	-0.04
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.05
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.05	-0.08
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)	Nonattainment, --	100	0	0.00	0.00	-0.01
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.03
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)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
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, Serious	50	0	-0.01	-0.02	-0.03
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.03	-0.08	-0.12
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.10	-0.15
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	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
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.04
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.06
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.02	-0.04
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.04	-0.07
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.07
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.10	-0.23	-0.37
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.23	-0.36
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
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)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.15	-0.21
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.67	-1.59	-2.53
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.05	-0.10	-0.16
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.05	-0.10	-0.16
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.67	-1.59	-2.53
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-0.67	-1.59	-2.53

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.67	-1.59	-2.53
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.67	-1.59	-2.53
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-0.67	-1.59	-2.53
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.13	-0.20
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.16	-0.38	-0.60
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.05	-0.07
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, Marginal	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.09	-0.15
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.05	-0.12	-0.20
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.12	-0.20
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.30	-0.48
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	-0.01	-0.01	-0.02
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
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, Moderate	100	0	0.00	-0.01	-0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.08	-0.13
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.05
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.52	-1.23	-1.96
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.28	-0.66	-1.05
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.51	-1.21	-1.93
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.51	-1.21	-1.93
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.14	-0.23
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.10	-0.15
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-0.18	-0.42	-0.67
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.24	-0.58	-0.92
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.24	-0.58	-0.92
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.15	-0.37	-0.58
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.16	-0.38	-0.61
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.39	-0.62
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.03	-0.04
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.13	-0.18
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.04
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.11	-0.23	-0.35
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.21	-0.32
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.12	-0.20
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	-0.01
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.01
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.02	-0.05	-0.08
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.19	-0.30
Ramsey County; (part), 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	-0.03	-0.05
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.04
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.02	-0.05	-0.08

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.02	-0.05	-0.08
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.06	-0.09
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.66	-1.58	-2.52
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	-0.10	-0.15	-0.20
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.04	-0.05
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.13	-0.21
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.14	-0.22
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.10	-0.23	-0.36
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.10	-0.23	-0.36
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.22	-0.35
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.04
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.06	-0.15	-0.24
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.09	-0.15
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.04	-0.09	-0.15
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.19	-0.30
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.07	-0.11
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.34	-0.54
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.14	-0.34	-0.54
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.14	-0.34	-0.54
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.31	-0.72	-1.15
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.31	-0.72	-1.15
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.73	-1.16
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	-0.67	-1.06
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.17	-0.38	-0.60
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.17	-0.38	-0.60
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.17	-0.38	-0.60
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.16	-0.38	-0.60
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.16	-0.38	-0.60
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.04
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.12	-0.29	-0.46
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.05	-0.08
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.05	-0.08
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.03	-0.05
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.05
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.02	-0.03
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.07	-0.11
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.21	-0.34
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.11	-0.25	-0.40
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-0.03
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.05
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.06
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	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	-0.01	-0.01
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.08	-0.12
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	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
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	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
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	-0.03	-0.05	-0.07
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	-0.04	-0.05
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.09
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.05
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.09	-0.14
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.09	-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, --	100	0	-0.01	-0.01	-0.02
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.06	-0.10
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-0.21	-0.51	-0.81
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.21	-0.51	-0.81
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.03	-0.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.08
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.02
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-19. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, 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, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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 Area, 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
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.01
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	0.01	0.01	0.03
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Baltimore Area, 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	0.01
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.01	0.01	0.01
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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 Area, ID	CO (1971 8-hour)	Maintenance, --	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 Area, 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, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	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
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, --	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 Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	0.01	0.01
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.03
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	0.02	0.03
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico Area, 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	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	0.01	0.01
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	0.01
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	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	100	0	0.01	0.01	0.01
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.01	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 Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	0.00	0.01
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	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, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	0.02	0.03
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.03
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, Marginal	100	0	0.01	0.01	0.01
Denver-Boulder Area, 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, Serious	50	0	0.01	0.01	0.01
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	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	0.01	0.01	0.02
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	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, Marginal	50	0	0.00	0.00	0.01
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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 (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	0.01	0.02	0.03
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.03
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
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 County; Imperial Valley planning area, 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 Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	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)	Nonattainment, --	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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	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, Serious	50	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	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: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	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, --	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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.01	0.01
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.01
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.04	0.04	0.08
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 Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.04	0.04	0.08
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.04	0.04	0.08

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.04	0.04	0.08
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.04	0.04	0.08
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.04	0.04	0.08
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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	0.01	0.02
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, 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	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 (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	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 Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, 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 County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.03	0.03	0.06
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.02	0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.03	0.03	0.06
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.03	0.03	0.06
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.01	0.01	0.02
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.02	0.03
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.01	0.02	0.03
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.01	0.02
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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 Area, PA	CO (1971 8-hour)	Maintenance, --	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, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, 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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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 Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Ramsey County; (part), 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 Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.03	0.04	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	0.00
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
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	0.01	0.01
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.00	0.00	0.01
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, --	100	0	0.00	0.00	0.00
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	0.01	0.02
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.02	0.02	0.03
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.02	0.03
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.03
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	0.02
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.01	0.01	0.02
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.01	0.01	0.02
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	0.01	0.02
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.01	0.01
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	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. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	0.01	0.01
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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, AZ	CO (1971 8-hour)	Maintenance, --	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	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
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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 Area: Clark County (part), 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
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, --	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 Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, 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	50	0	0.01	0.01	0.02
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.01	0.01	0.02
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, 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

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-20. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2035

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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	-0.01	-0.02	-0.03
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, 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, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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 Area, 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
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	0.00	-0.01	-0.01
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Baltimore Area, 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, Marginal	50	0	0.00	0.00	0.00
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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 Area, ID	CO (1971 8-hour)	Maintenance, --	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 Area, 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, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	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
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, --	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 Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	0.00	0.00
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.00	-0.01
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	0.00	-0.01
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico Area, 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	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	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 Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	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	100	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 Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	0.00	0.00
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	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, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.03	-0.05
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.05
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, Marginal	100	0	-0.01	-0.03	-0.04
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.03
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.03	-0.04
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
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	-0.01
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	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, Marginal	50	0	0.00	0.00	0.00
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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 (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	0.00	-0.02	-0.02
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.02	-0.02
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
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 County; Imperial Valley planning area, 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 Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	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)	Nonattainment, --	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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	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, Serious	50	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	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: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	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, --	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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	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, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.02	-0.01	-0.02
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 Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.02	-0.01	-0.01
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.02	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.02	-0.01	-0.02
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.02	-0.01	-0.02
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.02	-0.01	-0.02
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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, --	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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, 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	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 (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	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 Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, 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 County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	-0.01	-0.01
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.00	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	-0.01	-0.01
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.01	-0.01	-0.01
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.00	0.00	0.00
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.00	-0.01
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.01	0.00	-0.01
Phoenix Area, 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, Marginal	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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-0.01	-0.02	-0.02
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.01
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, 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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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 Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ramsey County; (part), 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 Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.02	-0.01	-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	-0.01	-0.02	-0.03
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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, Moderate	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 Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.00	0.00	0.00
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, --	100	0	0.00	0.00	0.00
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	0.00	0.00
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.01	0.00	-0.01
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.00	-0.01
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.00	-0.01
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	-0.01
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, 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	100	0	0.00	0.00	0.00
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	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. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, AZ	CO (1971 8-hour)	Maintenance, --	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	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
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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	-0.01
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	0.00	0.00
Vancouver Area: Clark County (part), 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
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, --	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 Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, 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	50	0	0.01	0.00	0.00
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.01	0.00	0.00
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, 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

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-21. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Acrolein, 2050

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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	-0.02	-0.04	-0.05
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, 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, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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 Area, 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	-0.01
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	-0.02	-0.04	-0.07
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.05
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Baltimore Area, 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	-0.02	-0.03
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.03
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	-0.01	-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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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	-0.01	-0.01	-0.02
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	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 Area, 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, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	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
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, --	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	-0.01
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.02	-0.03
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.06
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.04	-0.07
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico Area, 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	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.01	-0.02
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.02
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.02	-0.03
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.02	-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 Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.01	-0.02
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.01	-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, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.09	-0.13
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.08	-0.13
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, Marginal	100	0	-0.03	-0.05	-0.08
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.02	-0.04	-0.07
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.05	-0.08
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-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	-0.01	-0.03	-0.04
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	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, Marginal	50	0	0.00	-0.01	-0.02
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	-0.03	-0.06	-0.09
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.06	-0.08
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
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 County; Imperial Valley planning area, 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	-0.01	-0.01
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	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)	Nonattainment, --	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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	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, Serious	50	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	0.00	-0.01
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	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, --	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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.04
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.04	-0.10	-0.16
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.00	-0.01	-0.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.00	-0.01	-0.01
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.04	-0.10	-0.16
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-0.04	-0.10	-0.16

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.04	-0.10	-0.16
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.04	-0.10	-0.16
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-0.04	-0.10	-0.16
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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	-0.04
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	-0.01	-0.01
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.01	-0.01
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, 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 County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.08	-0.12
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.04	-0.07
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.08	-0.12
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.03	-0.08	-0.12
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-0.01	-0.03	-0.04
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.04	-0.06
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.02	-0.04	-0.06
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.04
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.04
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-0.01	-0.02	-0.03
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.03
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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 Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Ramsey County; (part), 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 Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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	-0.01
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.10	-0.16
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	-0.02	-0.03
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.01	-0.01	-0.02
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.00	-0.01	-0.02
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	-0.01	-0.01
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.03
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.05	-0.07
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.05	-0.07
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.05	-0.07
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.07
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.04
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.01	-0.02	-0.04
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.01	-0.02	-0.04
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.01	-0.02	-0.04
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.02	-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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.02	-0.03
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.02	-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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, AZ	CO (1971 8-hour)	Maintenance, --	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	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
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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	-0.01
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	-0.01	-0.01
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Vancouver Area: Clark County (part), 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	-0.01	-0.01
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-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, --	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 Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, 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	50	0	-0.01	-0.03	-0.05
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.05
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, 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

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-22. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.10
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.24	0.29	0.54
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.11	0.13	0.23
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.03
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.03
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.14	0.17	0.31
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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	0.09	0.12	0.21
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.11	0.14	0.24
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	0.01	0.01	0.02
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	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	0.19	0.23	0.41
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.04	0.07
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.56	0.69	1.23
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.04	0.06
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.13	0.15	0.27

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.10	0.12	0.21
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	1.13	1.39	2.46
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.85	1.04	1.85
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.08	0.10	0.17
Baltimore Area, 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	0.49	0.60	1.07
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.49	0.61	1.08
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.11	0.13	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, --	100	0	0.00	0.00	0.01
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.04	0.08
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	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	0.23	0.29	0.51
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.05	0.10
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.13	0.15	0.28
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.04	0.08
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.01
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.07	0.08	0.14
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.03	0.04	0.08
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.02	0.02	0.05
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.30	0.37	0.66

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.56	0.69	1.21
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.18	1.45	2.57
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	1.30	1.60	2.82
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.04	0.04	0.08
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.04	0.08
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.42	0.52	0.91
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.44	0.54	0.94
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.44	0.55	0.97
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.18	0.22	0.39
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.48	0.59	1.05
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.23	0.29	0.51
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.50	0.62	1.09
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.46	0.57	1.01
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.08	0.09	0.18
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.37	0.45	0.79
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.34	0.42	0.74
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.14	0.18	0.31
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.18	0.22	0.39
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	1.53	1.89	3.33
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.51	1.86	3.28
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.06	0.07	0.13
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.52	0.62	1.19
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	0.39	0.47	0.90
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.52	0.62	1.19
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.25	0.31	0.56
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.70	0.85	1.57
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.03	0.04	0.08
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.71	0.86	1.58
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.03
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.01	0.01
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.10	0.12	0.21
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.01
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.05	0.08
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.06
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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	0.00
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.09	0.11	0.20
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.28	0.35	0.62
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.28	0.35	0.62
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.05	0.11
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.19	0.24	0.42

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.20	0.24	0.43
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	0.98	1.17	2.23
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.95	1.13	2.15
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.01
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.01
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.05	0.06	0.11
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.06	0.11
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.04	0.05	0.10
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.04	0.05	0.10
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.05	0.06	0.11
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.01
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.09	0.12	0.21
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)	Nonattainment, --	100	0	0.01	0.01	0.02
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.03	0.06
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	0.03	0.05
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)	Nonattainment, --	100	0	0.01	0.01	0.03
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	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, Serious	50	0	0.02	0.02	0.04
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.03

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.15	0.19	0.33
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.18	0.23	0.40
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.04	0.06	0.10
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.07	0.09	0.15
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.09
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.08	0.10	0.18
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.08	0.10	0.18
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.08
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.44	0.55	0.97
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.44	0.55	0.97
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.02	0.03	0.05
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.02	0.03	0.05
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)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	3.20	3.94	6.91
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.19	0.23	0.40
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.19	0.23	0.40
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	3.20	3.94	6.91
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	3.20	3.94	6.91

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	3.20	3.94	6.91
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	3.19	3.94	6.90
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	3.20	3.94	6.91
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.25	0.30	0.54
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.07	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
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.75	0.92	1.62
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.09	0.10	0.19
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, Marginal	100	0	0.00	0.00	0.01
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.03
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.17	0.21	0.37
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.22	0.27	0.49
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.01
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.24	0.30	0.52
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.58	0.71	1.26
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.05	0.09
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.01
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.01
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.03	0.05
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.03
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.02	0.02	0.04
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.15	0.18	0.32
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.05	0.07	0.12
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	2.39	2.94	5.19
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	1.27	1.57	2.77
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	2.35	2.89	5.11
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	2.35	2.89	5.10
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.01	0.01	0.01
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.02	0.03
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.27	0.33	0.59
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	0.04
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	0.04
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.17	0.21	0.38
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.81	1.00	1.77
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	1.12	1.38	2.44
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	1.12	1.38	2.44
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.72	0.89	1.56
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.75	0.92	1.63
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.77	0.95	1.67
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	0.01	0.01	0.02
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.05	0.06	0.11
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.05	0.09
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.29	0.36	0.66
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.26	0.32	0.59
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.24	0.29	0.51
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	0.01	0.01	0.02
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.02	0.02	0.04
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.09	0.12	0.21
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.36	0.45	0.79
Ramsey County; (part), 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	0.06	0.08	0.14
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.07	0.11
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.10	0.12	0.21

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.10	0.12	0.21
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.11	0.14	0.24
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	3.18	3.92	6.87
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	0.00	-0.01	-0.01
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.27	0.33	0.59
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.25	0.31	0.55
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.43	0.53	0.94
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.43	0.53	0.94
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.42	0.52	0.92
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.05	0.09
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.28	0.35	0.62
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.17	0.21	0.37
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.17	0.21	0.38
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.35	0.43	0.76
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.12	0.15	0.26
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.68	0.84	1.47
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.69	0.85	1.48
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.68	0.84	1.48
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	1.45	1.78	3.12
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	1.44	1.78	3.12
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	1.46	1.80	3.15
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	1.33	1.64	2.88
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.71	0.87	1.54
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.71	0.87	1.54
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.71	0.87	1.54
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.71	0.87	1.54
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.71	0.87	1.54
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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	0.01
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.05	0.06	0.11
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.54	0.66	1.17
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.08	0.10	0.19
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.12	0.21
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.06	0.07	0.12
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.06	0.07	0.12
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.03	0.05
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.01	0.01	0.02
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.13	0.15	0.27
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.39	0.47	0.84
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.46	0.57	1.01
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.01	0.02
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	0.08	0.14
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.01	0.01
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.08	0.10	0.17
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.15	0.18	0.32
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	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
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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	-0.02	-0.03	-0.03
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	0.00
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.08	0.10	0.18
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	0.07	0.12
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.16	0.20	0.35
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.16	0.20	0.35
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, --	100	0	0.02	0.03	0.05
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.13	0.16	0.28
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	0.99	1.21	2.14
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.99	1.21	2.14
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.05	0.07	0.12

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.03
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.10	0.13	0.22
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.04	0.05	0.09
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.01
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.03	0.04	0.07
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.03	0.04	0.07
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.02	0.04

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-23. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2035

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.26	-0.34
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.38	-0.75	-0.95
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.04	-0.03
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.12	-0.24	-0.30
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.21	-0.28
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.04	-0.03
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.01
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.05
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.06	-0.11	-0.14
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	0.03	0.02	0.08
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.08	0.05	0.21
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-0.03
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	0.06

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.00	0.03
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	-0.02	-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	100	0	0.19	0.16	0.50
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.12	0.08	0.33
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.03	0.06
Baltimore Area, 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	0.06	0.20
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.08	0.06	0.20
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.24	-0.47	-0.62
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.03
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.10	-0.13
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.06	-0.03
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.14	-0.26	-0.34
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.13	-0.14
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.05
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.01	0.04
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.02	0.04
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.17	-0.32	-0.43
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.08	0.09	0.20

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.10	0.09	0.27
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.22	0.20	0.57
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.24	0.23	0.64
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.03
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.01
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.03
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.12	0.16	0.32
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.13	0.16	0.33
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.08	0.07	0.21
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.06	0.12
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.10	0.11	0.27
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.06	0.08	0.16
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.10	0.10	0.26
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.10	0.11	0.26
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.28	-0.36
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.10	0.12	0.25
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.09	0.11	0.24
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	-0.01	-0.03	-0.03
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.04	0.04	0.10
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.05	0.06	0.12
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.35	0.40	0.93
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.35	0.39	0.91
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.10
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.00	-1.95	-2.52
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.79	-1.53	-1.98
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.00	-1.95	-2.52
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.13	-0.28	-0.32
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.59	-1.22	-1.48
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.05	-0.06
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.59	-1.22	-1.48
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.01
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.07
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.03	-0.04
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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	-0.01	0.01
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.03	-0.03
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.01	-0.03	-0.04
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	-0.02	-0.04	-0.05
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.06
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.05
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.03	0.05	0.09
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.05	0.01
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.05	0.01
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.18	-0.34	-0.45
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.09
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.15	-0.27	-0.38
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.05	0.11

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.03	0.01
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	-1.61	-3.16	-4.05
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.60	-3.15	-4.03
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.02	0.04
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.03
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.01	0.02	0.03
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.02	0.02	0.04
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.10	-0.13
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.02	0.02	0.05
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)	Nonattainment, --	100	0	0.00	0.00	0.01
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.03
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)	Nonattainment, --	100	0	0.00	0.00	0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.05	-0.07
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.08
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	-0.01	-0.01
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.02
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.02
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.03	0.02	0.07
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.07
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	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
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.03
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	0.00
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.02	-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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.00	0.01
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.01
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.03
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.08	0.07	0.21
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.07	0.21
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	0.00
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.12	-0.16
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	1.34	1.96	3.47
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.06	0.07	0.15
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.06	0.07	0.15
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	1.34	1.96	3.47
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	1.34	1.96	3.47

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	1.34	1.96	3.47
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	1.34	1.96	3.47
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	1.34	1.96	3.47
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.07	0.09	0.18
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	0.01
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.08
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.19	0.23	0.50
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	0.05
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, Marginal	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.11	-0.21	-0.29
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.11	-0.11
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.07	-0.16	-0.16
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.06	0.06	0.15
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	0.02	0.18
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.08	-0.11
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.11
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	-0.01	-0.02	-0.02
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	-0.01
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	0.01	0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.08	-0.08
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.49	0.51	1.30
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.23	0.21	0.60
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.48	0.49	1.27
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.48	0.49	1.26
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.01
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.02	0.04
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.01	0.01
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.12	-0.11
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.12	0.09	0.33
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.23	0.24	0.61
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.23	0.24	0.61
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.18	0.22	0.48
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.19	0.23	0.50
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.20	0.23	0.51
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.02	0.04
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.10
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.30	-0.60	-0.74
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.29	-0.58	-0.72
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.00	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	-0.03	-0.06	-0.08
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.01	0.01
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.02	0.03	0.06
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.09	0.11	0.24
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.01	0.03
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.04	0.06	0.11

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.04	0.06	0.11
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.05	0.07	0.13
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	1.34	1.95	3.45
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	-0.07	-0.12	-0.17
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	-0.12	-0.16
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.11	0.16	0.28
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.10	0.15	0.26
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.17	0.24	0.43
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.17	0.24	0.43
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.16	0.23	0.42
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.04
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	-0.02	0.04
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	-0.01	0.04
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.01	-0.01	0.04
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	0.01	0.10
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.03	0.03	0.07
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.30	0.44	0.77
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.30	0.44	0.77
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.30	0.44	0.77
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.62	0.92	1.61
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.62	0.92	1.61
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.63	0.93	1.63
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.58	0.85	1.49
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.19	0.24	0.51
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.19	0.24	0.51
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.19	0.24	0.51
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.19	0.24	0.51
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.19	0.24	0.51
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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	-0.01
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.02	0.03
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.15	-0.07
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.08	-0.09
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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	-0.01
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.03	0.06
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.03	-0.03
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.03
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.20	-0.28
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.00	0.03
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.13	-0.08
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.02	-0.11	-0.03
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.15	-0.27	-0.38
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.07	-0.13	-0.18
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.06
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-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	0.01
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.02	0.07
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	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
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.06	-0.11	-0.15
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.06	-0.09
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.05	-0.06
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
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	-0.17	-0.32	-0.44
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	-0.07	-0.09
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.11	-0.13
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.03
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.05	0.07	0.13
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.05	0.07	0.13
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, --	100	0	-0.01	-0.03	-0.03
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.05
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.04	-0.06
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.06	0.12
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	0.23	0.27	0.61
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.23	0.27	0.61
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.02	0.03	0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.05	0.09
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-24. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Benzene, 2050

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.28	-0.44	-0.62
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.92	-1.48	-2.07
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.14	-0.24	-0.35
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.04
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.06
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.36	-0.59	-0.83
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.03
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.19	-0.29	-0.40
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.22	-0.31
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.14	-0.23	-0.34
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.04	-0.06
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.11	-0.17	-0.24
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.16	-0.29	-0.43
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.05	-0.07
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.50	-0.90	-1.31
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.09	-0.13
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.05	-0.06
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.10	-0.18	-0.27

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.09	-0.16	-0.23
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.06
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
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	100	0	-0.96	-1.73	-2.53
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.75	-1.35	-1.97
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.09	-0.14
Baltimore Area, 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	-0.43	-0.77	-1.12
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.43	-0.77	-1.13
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.54	-0.86	-1.20
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.10	-0.15
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.10	-0.15	-0.21
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.04	-0.05
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.28	-0.49	-0.71
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.28	-0.44	-0.62
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.24	-0.40	-0.56
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.04	-0.06
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.08
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.06
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.09	-0.14
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.05
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.31	-0.49	-0.68
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.21	-0.39	-0.58

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.46	-0.84	-1.22
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.97	-1.75	-2.57
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.06	-1.91	-2.81
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.06
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.06
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.26	-0.50	-0.74
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.28	-0.52	-0.77
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.37	-0.67	-0.98
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.23	-0.34
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.37	-0.68	-1.00
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.16	-0.30	-0.44
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.40	-0.73	-1.07
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.36	-0.65	-0.96
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.02
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.33	-0.53	-0.75
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.25	-0.46	-0.69
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.23	-0.43	-0.63
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.08
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.10	-0.18	-0.27
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.23	-0.34
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.13	-2.08	-3.07
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.12	-2.06	-3.03
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.13	-0.22	-0.31
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.30	-3.69	-5.15
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.78	-2.86	-4.00
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.30	-3.69	-5.15
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.51	-0.84	-1.20
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.81	-2.96	-4.18
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.08	-0.13	-0.19
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.81	-2.97	-4.18
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.01	-0.01
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.09	-0.13
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.05
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.02
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.18	-0.26
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.11	-0.15
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.03
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.03	-0.04	-0.06
Flathead County; Columbia Falls and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Flathead County; Kalispell and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.08
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.11	-0.16
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.05	-0.07
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.05	-0.09	-0.14
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.32	-0.56	-0.80
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.32	-0.56	-0.80
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.35	-0.56	-0.77
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.12
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.23	-0.35	-0.48
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.27	-0.39

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.22	-0.39	-0.56
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	-0.01	-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, Serious	50	0	-3.85	-6.21	-8.68
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.80	-6.13	-8.57
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.09
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.06	-0.09
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.08
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.08
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.03	-0.06	-0.09
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.09	-0.15	-0.21
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.07	-0.14	-0.20
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)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.10
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.05	-0.08	-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)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.08	-0.11
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.09
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.11	-0.16
Josephine County; Grants Pass, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Juneau; Mendenhall Valley area, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.06	-0.08
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.03	-0.06	-0.08
King County; Kent, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
King County; Seattle, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.04
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.13	-0.23	-0.33
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.30	-0.43
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.06	-0.09
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.14	-0.20
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.10	-0.14
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.09	-0.15	-0.22
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.15	-0.22
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Lane County; Eugene/Springfield, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.11	-0.15
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.37	-0.67	-0.98
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.37	-0.67	-0.98
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.03	-0.04	-0.06
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.10
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.02	-0.03
Lincoln County; Libby and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Logan, UT-ID	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.05
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.18	-0.25
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-1.33	-2.73	-4.18
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.12	-0.22	-0.33
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.12	-0.22	-0.33
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.33	-2.73	-4.18
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-1.33	-2.73	-4.18

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-1.33	-2.73	-4.18
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-1.33	-2.73	-4.18
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-1.33	-2.73	-4.18
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.30	-0.44
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.05
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.11	-0.15
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.13
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.52	-0.97	-1.43
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.12	-0.18
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, Marginal	100	0	0.00	0.00	-0.01
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.17	-0.27	-0.37
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.06
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.46	-0.65
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.36	-0.61	-0.87
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Miami, AZ	SO SO ₂ 2 (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.18	-0.33	-0.49
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.54	-0.96	-1.41
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.12	-0.17
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.12	-0.17
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.06	-0.09
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.04
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.07	-0.09
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.22	-0.37	-0.53
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.10	-0.15
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.87	-3.40	-5.00
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-1.06	-1.91	-2.80
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.85	-3.36	-4.93
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-1.84	-3.35	-4.93
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.02
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.28	-0.50	-0.72
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.02
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.06	-0.09
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	100	0	0.00	0.00	0.00
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	-0.47	-0.66
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-0.71	-1.28	-1.87
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.88	-1.60	-2.35
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.88	-1.60	-2.35
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.51	-0.93	-1.38
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.53	-0.97	-1.44
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.54	-1.00	-1.48
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	-0.02
Pinal and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.07	-0.10
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.10	-0.14
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.08	-0.12
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.84	-1.37	-1.92
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.79	-1.28	-1.80
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.23	-0.41	-0.59
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	-0.06	-0.10	-0.13
Provo Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.02	-0.03
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.07	-0.12	-0.18
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.25	-0.47	-0.70
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.06	-0.10	-0.15
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.08
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.04	-0.08	-0.12

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.04	-0.08	-0.12
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.04	-0.09	-0.13
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1.33	-2.72	-4.16
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	-0.11	-0.17	-0.23
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.10	-0.15	-0.21
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.24	-0.37
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.23	-0.35
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.21	-0.41	-0.62
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.21	-0.41	-0.62
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.20	-0.40	-0.61
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.07	-0.12	-0.17
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.10
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.30	-0.52	-0.76
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.31	-0.44
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.17	-0.31	-0.44
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.33	-0.59	-0.86
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.09	-0.16	-0.24
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.56	-0.86
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.27	-0.56	-0.86
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.27	-0.56	-0.86
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.57	-1.19	-1.83
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.57	-1.19	-1.82
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.58	-1.20	-1.84
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.53	-1.09	-1.68
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.47	-0.88	-1.31
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.47	-0.88	-1.31
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.47	-0.88	-1.31
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.47	-0.88	-1.31
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.47	-0.88	-1.31
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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	-0.02	-0.02
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.07	-0.10
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.66	-1.14	-1.64
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.16	-0.26	-0.37
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Shoshone County; City of Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.12	-0.18
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.08	-0.14	-0.20
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.14	-0.20
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.06
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.27	-0.37
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.21	-0.31
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.50	-0.86	-1.23
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.55	-0.96	-1.38
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.24	-0.37	-0.50
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.13	-0.20	-0.28
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.07	-0.11
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.09	-0.14
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.05
Thurston County; Cities of Olympia, Tumwater, and Lacey, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.04
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.22	-0.33
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.09	-0.14	-0.19
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.08	-0.11
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.06	-0.08
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
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	-0.27	-0.42	-0.58
Union County; LaGrande, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Upper Green River Basin Area, WY	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.09	-0.12
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.18	-0.30	-0.42
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.12
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.09	-0.18	-0.27
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.09	-0.18	-0.27
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.08	-0.11
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.05	-0.07
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.06	-0.08
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.13	-0.20
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-0.72	-1.32	-1.95
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.72	-1.32	-1.95
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.03	-0.05	-0.08

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.11	-0.16
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.06	-0.08
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.06	-0.08
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.03	-0.05
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.11
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.05

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-25. 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, 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.04	0.07
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.03
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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	0.01	0.01	0.02
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.02	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 Area, 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	0.02	0.03	0.04
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.06	0.08	0.13
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.02	0.03

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	0.13	0.15	0.27
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.10	0.11	0.20
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Baltimore Area, 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	0.07	0.12
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.06	0.07	0.12
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.02	0.02	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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.01	0.01
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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	0.03	0.03	0.06
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.03
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.01	0.02
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, --	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	0.01
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.06	0.07	0.13
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.13	0.16	0.28
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.14	0.17	0.31
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Chico Area, 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	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.05	0.10
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.05	0.06	0.10
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.05	0.06	0.11
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.04
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.06	0.11
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.03	0.03	0.05
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.06	0.07	0.12
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.05	0.06	0.11
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.03
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.04	0.05	0.09
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.04	0.04	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	0.00
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	0.03
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.17	0.20	0.36
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.17	0.20	0.35
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.09	0.17
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	0.06	0.07	0.13
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.08	0.09	0.17
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.11	0.20
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	0.09	0.11	0.20
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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	0.01	0.02
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.01	0.01	0.02
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.03	0.04	0.07
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.03	0.04	0.07
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	0.01	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
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	0.08	0.09	0.19
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.09	0.18
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.01
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.01
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.01	0.01
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	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	0.00
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	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
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	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, Serious	50	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.02	0.02	0.04
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	0.01
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.01	0.02
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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	0.01
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.05	0.06	0.11
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.06	0.11
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.34	0.41	0.72
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.02	0.04
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.02	0.04
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.34	0.41	0.72
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.34	0.41	0.72

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.34	0.41	0.72
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.34	0.41	0.72
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.34	0.41	0.72
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	0.03	0.06
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.08	0.10	0.17
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.04
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.03	0.03	0.06
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.03	0.03	0.06
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	0.08	0.14
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.01	0.01
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, 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
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	0.04
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.01
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.27	0.32	0.56
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.14	0.17	0.30
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.26	0.31	0.55
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.26	0.31	0.55
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	0.04	0.06
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.04
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.09	0.11	0.19
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.12	0.15	0.26
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.12	0.15	0.26
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.08	0.09	0.17
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.08	0.10	0.17
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.10	0.18
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.01	0.01
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.04	0.05	0.08
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.04	0.08
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.03	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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	0.01	0.02
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.05	0.08
Ramsey County; (part), 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	0.02
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.01	0.01	0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.01	0.01	0.02
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.01	0.03
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.34	0.41	0.72
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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.03	0.06
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.03	0.06
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.05	0.06	0.10
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.05	0.06	0.10
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.05	0.05	0.10
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.03	0.04	0.07
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.02	0.02	0.04
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.05	0.08
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.02	0.03
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.07	0.09	0.15
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.07	0.09	0.15
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.07	0.09	0.15
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.15	0.18	0.33
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.15	0.18	0.33
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.16	0.19	0.33
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.14	0.17	0.30
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.08	0.09	0.16
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.08	0.09	0.16
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.08	0.09	0.16
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.08	0.09	0.16
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.08	0.09	0.16
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.01	0.01
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.06	0.07	0.13
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.01	0.01
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	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. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.02	0.03
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.05	0.09
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.05	0.06	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.02	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	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
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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	0.01	0.01	0.02
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.02	0.02	0.04
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.02	0.02	0.04
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, --	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 Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	0.11	0.13	0.23
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.11	0.13	0.23
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, 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

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-26. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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	0.01	-0.01	-0.02
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, 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, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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 Area, 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	0.01	0.00	-0.01
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	-0.01	-0.02
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	0.03	-0.03	-0.04
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	-0.02	-0.03
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Baltimore Area, 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	-0.02
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.01	-0.01	-0.02
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	-0.02	-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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	-0.01	-0.01
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	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 Area, 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, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	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
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, --	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 Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.01	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.02	-0.01	-0.02
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	-0.04	-0.05
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.03	-0.04	-0.05
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico Area, 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	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.01	-0.01
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	-0.01	-0.01
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	-0.01	-0.01
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	-0.01
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.01	-0.02
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.01	-0.01	-0.01
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	-0.01	-0.02
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	-0.01	-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 Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	-0.01	-0.01
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.01	-0.01	-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	-0.01
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	-0.01
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.04	-0.04	-0.06
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	-0.04	-0.06
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, Marginal	100	0	0.02	-0.02	-0.03
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	-0.02	-0.03
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.02	-0.02	-0.03
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.01	-0.01	-0.01
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	-0.02	-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	0.02	-0.02	-0.03
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.01	-0.01	-0.01
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.01	-0.01	-0.01
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	-0.01	-0.01
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO2 (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	SO2 (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Hillsborough County, FL	SO2 (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Hillsborough-Polk County, FL	SO2 (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.32	-0.69	-0.94
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.32	-0.68	-0.94
Humphreys County; (part) TVA Johnsonville, TN	SO2 (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO2 (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
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 County; Imperial Valley planning area, 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	SO2 (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO2 (2010 1-hour)	Maintenance, --	100	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	SO2 (2010 1-hour)	Nonattainment, --	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	SO2 (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County, MO	SO2 (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO2 (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	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, Serious	50	0	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	0.00	-0.01
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	-0.01
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.01
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	-0.01	-0.01
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.01	-0.01
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	-0.01	-0.01
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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.09	-0.08	-0.11
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.00	-0.01	-0.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.00	-0.01	-0.01
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.09	-0.08	-0.11
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.09	-0.08	-0.11

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.09	-0.08	-0.11
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.09	-0.08	-0.11
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.09	-0.08	-0.11
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.01	-0.01
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.02	-0.03	-0.04
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	-0.01	-0.01
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	-0.01	-0.01
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	-0.01	-0.01
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	-0.02	-0.02
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, 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 County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	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 Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.07	-0.06	-0.08
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.04	-0.03	-0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.07	-0.06	-0.08
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.07	-0.06	-0.08
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.01	-0.01
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	-0.01
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.02	-0.02	-0.03
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.03	-0.03	-0.04
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.03	-0.03	-0.04
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.02	-0.03	-0.04
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.02	-0.03	-0.04
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	-0.03	-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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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 Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	-0.01	-0.01
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	-0.01	-0.01
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	-0.01	-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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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 Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	-0.01	-0.01
Ramsey County; (part), 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 Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.09	-0.08	-0.11
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	0.00	0.00	-0.01
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	-0.01	-0.01
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	-0.01	-0.01
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.01	-0.01	-0.01
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.01	-0.01	-0.01
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	-0.01	-0.01
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.01	-0.01	-0.01
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, --	100	0	0.00	0.00	-0.01
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.01	-0.01
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	-0.02	-0.02
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.02	-0.02	-0.02
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.02	-0.02	-0.02
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.04	-0.04	-0.05
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	-0.04	-0.05
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.04	-0.04	-0.05
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	-0.03	-0.04
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.02	-0.02	-0.03
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.02	-0.02	-0.03
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.02	-0.02	-0.03
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.02	-0.02	-0.03
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.02	-0.02	-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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.02	-0.01	-0.02
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	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. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	-0.02	-0.02
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	-0.02	-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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, AZ	CO (1971 8-hour)	Maintenance, --	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	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	-0.01	-0.01
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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 Area: Clark County (part), 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
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, --	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 Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, 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	50	0	0.03	-0.02	-0.03
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.03	-0.02	-0.03
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, 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

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-27. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.08	-0.12
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.06
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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	-0.01	-0.02	-0.04
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.04
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 Area, 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	-0.02	-0.04	-0.07
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.13	-0.20
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-0.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	100	0	-0.11	-0.25	-0.41
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.19	-0.31
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Baltimore Area, 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	-0.11	-0.18
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.05	-0.11	-0.18
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.03	-0.05	-0.08
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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.05	-0.09
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.05
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.01	-0.01	-0.02
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.02
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.07	-0.11

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.05	-0.12	-0.20
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.12	-0.27	-0.43
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.13	-0.30	-0.48
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Chico Area, 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	-0.01	-0.01
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.09	-0.15
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.04	-0.10	-0.15
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.04	-0.10	-0.16
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.06
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.11	-0.17
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.02	-0.05	-0.08
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.05	-0.11	-0.18
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.04	-0.10	-0.17
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.03	-0.08	-0.13
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.03	-0.07	-0.12
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	-0.01	-0.01	-0.01
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-0.05
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.06
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.15	-0.34	-0.55
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.15	-0.34	-0.54
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.17	-0.26
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.06	-0.13	-0.20
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.07	-0.17	-0.26
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.07	-0.11
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.19	-0.30
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.08	-0.19	-0.30
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
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)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, 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	-0.04
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.01	-0.02	-0.03
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.03	-0.06	-0.10
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.06	-0.10
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.07
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	-0.66	-1.12	-1.60
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.66	-1.11	-1.59
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
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	-0.01	-0.02
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Imperial County; Imperial Valley planning area, 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	0.00
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	-0.01
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
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)	Nonattainment, --	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	-0.01	-0.01
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-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, Serious	50	0	0.00	-0.01	-0.01
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.03	-0.05
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.07
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.02	-0.02
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.03
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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	-0.01
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.04	-0.10	-0.16
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.10	-0.16
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
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	-0.01	-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)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.29	-0.69	-1.10
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.02	-0.04	-0.07
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.02	-0.04	-0.07
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.29	-0.69	-1.10
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-0.29	-0.69	-1.10

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.29	-0.69	-1.10
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.29	-0.69	-1.10
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-0.29	-0.69	-1.10
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.05	-0.09
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.08	-0.18	-0.28
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-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, Marginal	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 Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.07
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.02	-0.05	-0.09
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.05	-0.09
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.13	-0.21
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, 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
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	0.00	-0.01	-0.01
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.03	-0.06
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.23	-0.53	-0.85
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.12	-0.28	-0.46
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.22	-0.52	-0.84
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.22	-0.52	-0.84
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.06	-0.10
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.07
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-0.08	-0.18	-0.29
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.11	-0.25	-0.40
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.11	-0.25	-0.40
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.08	-0.17	-0.27
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.18	-0.28
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.08	-0.18	-0.29
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-0.01	-0.02
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.08	-0.13
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.07	-0.12
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.09
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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	-0.01
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.01	-0.02	-0.03
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.08	-0.13
Ramsey County; (part), 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	-0.02
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.02
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	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	-0.03

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.01	-0.02	-0.03
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.02	-0.04
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.29	-0.69	-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	-0.01	-0.01
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.06	-0.09
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.05	-0.09
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.04	-0.09	-0.15
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.04	-0.09	-0.15
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.09	-0.15
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.03	-0.07	-0.11
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.06
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	-0.04	-0.06
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.08	-0.13
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.04
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.06	-0.15	-0.23
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.06	-0.15	-0.23
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.06	-0.15	-0.23
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.31	-0.50
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.13	-0.31	-0.50
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.13	-0.31	-0.50
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.29	-0.46
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.07	-0.16	-0.25
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.07	-0.16	-0.25
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.07	-0.16	-0.25
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.07	-0.16	-0.25
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.07	-0.16	-0.25
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.01	-0.02
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.05	-0.12	-0.20
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-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. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.03	-0.05
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.04	-0.10	-0.16
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.05	-0.12	-0.18
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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	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 Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.03	-0.05
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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	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	-0.01	-0.01	-0.01
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	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
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	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	-0.01	-0.02	-0.03
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.04	-0.06
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.02	-0.04	-0.06
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, --	100	0	0.00	-0.01	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.03	-0.05
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-0.09	-0.22	-0.35
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.09	-0.22	-0.35
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County; Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.04
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-28. 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), 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.03	-1.14	-1.52
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.05	-0.07
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.06	-0.08
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.08	-0.11
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.39	-0.43	-0.57
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.08	-0.10
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.13	-0.17
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.06	-0.08
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.10	-0.11	-0.14
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.12	-1.24	-1.65
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.06	-0.08
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.06	-0.07	-0.09
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.03
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.15	-0.16	-0.22
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.43	-1.58	-2.10
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.02	-0.03
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.10	-0.11	-0.14

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.13	-0.14	-0.19
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.15	-0.16	-0.22
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.06	-0.06	-0.08
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.11	-0.12	-0.16
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.12	-0.16
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.26	-0.29	-0.38
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.09	-0.11
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.36	-0.40	-0.53
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.36	-0.40	-0.53
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-6.42	-7.11	-9.45
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.03
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.11	-0.14
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.81	-0.90	-1.20
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.81	-0.90	-1.20
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.35	-0.38	-0.51
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.44	-0.49	-0.65
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.98	-1.08	-1.44
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.51	-0.57	-0.75
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.03
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.05	-0.07
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.05	-0.07
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.60	-0.66	-0.88
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, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.06	-0.08
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.05	-0.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.10	-0.12	-0.15
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-8.80	-9.73	-12.94
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-8.80	-9.74	-12.94
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.03
Chico Area, 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	-0.01	-0.01	-0.01
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.14	-0.16	-0.21
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.16	-0.18	-0.23
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.20	-0.22	-0.30
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.13	-0.15	-0.20
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.74	-0.82	-1.09
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.27	-0.30	-0.39
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.87	-0.96	-1.28
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.74	-0.82	-1.09
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.20	-0.26
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.18	-0.20	-0.26
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.13	-0.15	-0.19
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.31	-0.34	-0.45
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.39	-7.07	-9.40
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.32	-0.35	-0.47
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.15	-0.20
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.70	-0.78	-1.03
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.70	-0.78	-1.03
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-4.25	-4.70	-6.25
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.42	-3.79	-5.03
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.23	-1.36	-1.80
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.42	-3.79	-5.03
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.52	-0.58	-0.76
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.93	-2.14	-2.84
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.32	-0.36	-0.47
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-1.93	-2.14	-2.84
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.43	-0.47	-0.63

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.43	-0.47	-0.63
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.01	-0.01	-0.01
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.06	-0.08
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-6.11	-6.76	-8.99
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.29	-0.32	-0.43
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.43	-0.47	-0.63
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	-0.47	-0.63
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.02	-0.02	-0.03
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.02	-0.02	-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	0.00
Flathead County; Whitefish and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.03	-0.04
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.02	-0.02
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.13	-0.17
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.10	-0.11	-0.15
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.13	-0.14	-0.19
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.08	-0.09	-0.11
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.08	-0.09	-0.11
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-3.62	-4.01	-5.33
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.61	-0.81
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.61	-0.68	-0.90
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.05	-0.07

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.03	-0.04
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	-0.08	-0.09	-0.12
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.10	-0.11	-0.14
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-21.45	-23.74	-31.55
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-21.43	-23.71	-31.51
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.30	-0.33	-0.44
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.30	-0.33	-0.44
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.04
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.04
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.30	-0.33	-0.44
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.31	-0.35	-0.46
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.22	-0.25	-0.33
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.14	-0.16	-0.21
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.04	-0.05
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	-0.52	-0.57	-0.76
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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.55	-0.61	-0.81
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.51	-0.57	-0.75
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.17	-0.19	-0.25
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, Serious	50	0	-3.64	-4.03	-5.36
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.64	-4.03	-5.36
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.00	0.00	0.00
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.09	-0.11
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.06	-0.07
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-6.40	-7.08	-9.41
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.39	-7.08	-9.41
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.05	-0.06
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.05	-0.06
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.20	-0.22	-0.30
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.20	-0.22	-0.30
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.81	-0.90	-1.20
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-2.51	-2.78	-3.69
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.08	-0.10
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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.30	-0.40
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-3.94	-4.37	-5.79
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-3.70	-4.10	-5.45
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-3.70	-4.10	-5.45
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-3.93	-4.35	-5.78
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-3.93	-4.35	-5.78

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-3.94	-4.37	-5.79
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-3.94	-4.37	-5.79
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-3.94	-4.37	-5.79
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.22	-1.34	-1.79
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.13	-1.25	-1.67
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.03
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.03	-0.03
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.03	-0.04
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.42	-0.47	-0.62
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.42	-0.47	-0.62
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.10	-0.11	-0.14
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.45	-1.60	-2.13
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.10	-0.11	-0.15
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.11	-0.15
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.05	-0.06
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.07	-0.10
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.05	-0.07
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.05	-0.07
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.15	-0.16	-0.22
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.15	-0.16	-0.22
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	-0.02	-0.02	-0.02
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.02	-0.02
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.01	-0.02	-0.02
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.02
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.07	-0.09
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.05	-0.05	-0.07
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.86	-0.95	-1.26
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.80	-0.89	-1.18
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.87	-0.97	-1.28
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.87	-0.97	-1.28
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.11	-0.12	-0.16
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.52	-0.58	-0.77
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.04	-0.05
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.04	-0.05
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.28	-0.31	-0.41
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.28	-0.31	-0.41
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.32	-3.68	-4.89
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-4.35	-4.82	-6.40
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-4.38	-4.85	-6.44
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-4.38	-4.85	-6.44
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.02	-0.03	-0.03
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.03
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.03
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.03	-0.04
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-0.15	-0.16	-0.22
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.07	-0.08	-0.11
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-1.19	-1.31	-1.74
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.16	-1.29	-1.71
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.03	-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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.04	-0.05
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.51	-0.56	-0.75
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.36	-0.40	-0.53
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.94	-1.04	-1.38
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.04	-0.05
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.33	-0.36	-0.48

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.33	-0.36	-0.48
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.33	-0.36	-0.48
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.94	-4.37	-5.79
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	-0.73	-0.81	-1.08
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.06	-0.08
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.38	-0.42	-0.56
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.05	-5.59	-7.43
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-5.16	-5.71	-7.58
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-5.16	-5.71	-7.58
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-5.16	-5.71	-7.58
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.51	-0.56	-0.75
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.52	-0.58	-0.77
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.51	-0.56	-0.75
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.51	-0.56	-0.75
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.07	-0.09
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.84	-4.25	-5.65
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.33	-0.37	-0.49
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.36	-0.40	-0.53
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.36	-0.40	-0.53
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-5.49	-6.08	-8.07
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.49	-6.08	-8.07
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-5.49	-6.08	-8.07
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-5.44	-6.02	-8.00
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-8.98	-9.94	-13.21
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-8.98	-9.94	-13.21
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-8.98	-9.94	-13.21
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-8.89	-9.84	-13.08
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-8.89	-9.84	-13.08
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.35	-0.39	-0.51
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.35	-0.39	-0.51

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.04	-0.05
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.03	-0.03	-0.04
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.03	-0.04
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.03
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.03
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.02	-0.03
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.51	-0.56	-0.75
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.04
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.51	-1.67	-2.22
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.09	-0.10	-0.13
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-1.20	-1.33	-1.76
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.23	-1.36	-1.80
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.24	-1.37	-1.82
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.59	-0.66	-0.88
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.59	-0.66	-0.87
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.03	-0.04
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.03	-0.04
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.34	-0.37	-0.50
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.31	-0.34	-0.45
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.08	-0.10
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.43	-0.48	-0.63
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.68	-0.75	-1.00
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.02	-0.03
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.43	-0.48	-0.63
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	-0.12	-0.14	-0.18
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	-0.40	-0.44	-0.59
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.54	-0.59	-0.79
Vancouver Area: Clark County (part), 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	-3.62	-4.00	-5.32
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-3.62	-4.00	-5.32
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.03	-0.04
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.04	-0.06
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.42	-0.47	-0.62
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.43	-0.48	-0.63
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.43	-0.48	-0.64
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.05	-0.06
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-0.23	-0.26	-0.34
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.23	-0.26	-0.34
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.32	-0.36	-0.47
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.05	-0.06
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.06	-0.08
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.03	-0.04
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.03	-0.04

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-29. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.13	-0.17
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-7.58	-11.46	-14.54
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.34	-0.51	-0.65
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.40	-0.60	-0.76
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.53	-0.80	-1.01
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-2.85	-4.31	-5.47
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.52	-0.79	-1.00
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.83	-1.26	-1.60
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.38	-0.58	-0.73
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.72	-1.09	-1.38
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-8.24	-12.45	-15.79
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.40	-0.61	-0.77
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.45	-0.68	-0.86
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.14	-0.22	-0.27
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.07	-1.62	-2.06
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.09	-0.13	-0.17
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-10.46	-15.82	-20.06
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.12	-0.19	-0.24
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.72	-1.09	-1.38

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.93	-1.40	-1.78
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.08	-1.63	-2.07
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.41	-0.62	-0.79
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.08
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.76	-1.17	-1.48
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.76	-1.17	-1.48
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-1.90	-2.88	-3.65
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.57	-0.86	-1.09
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-2.66	-4.03	-5.11
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-2.66	-4.03	-5.11
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-47.11	-71.22	-90.34
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.25	-0.32
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.72	-1.09	-1.38
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-5.96	-9.01	-11.43
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.96	-9.01	-11.43
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-2.54	-3.84	-4.88
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	-0.13	-0.17
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.25	-4.92	-6.24
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-7.16	-10.83	-13.74
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.75	-5.67	-7.20
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.08	-0.10
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.24	-0.30
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.36	-0.54	-0.69
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.36	-0.54	-0.69
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.18	-0.27	-0.34
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-4.37	-6.61	-8.39
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, --	100	0	0.00	0.00	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.40	-0.61	-0.77
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.34	-0.53	-0.67

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.76	-1.15	-1.46
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-64.50	-97.53	-123.71
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-64.55	-97.60	-123.80
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.24	-0.30
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.10	-0.13
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.03	-1.56	-1.98
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.15	-1.75	-2.22
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-1.47	-2.23	-2.83
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.98	-1.48	-1.88
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.45	-8.25	-10.46
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-1.95	-2.95	-3.74
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-6.38	-9.65	-12.24
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.45	-8.24	-10.46
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.31	-1.98	-2.51
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.31	-1.98	-2.51
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.96	-1.45	-1.84
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.26	-3.41	-4.32
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-46.90	-70.90	-89.93
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.32	-3.51	-4.45
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.05	-0.08	-0.10
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.98	-1.48	-1.88
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-5.11	-7.74	-9.82
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.11	-7.74	-9.82
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-31.19	-47.16	-59.81
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-25.07	-37.92	-48.10
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-8.99	-13.59	-17.24
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-25.07	-37.92	-48.10
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-3.81	-5.76	-7.31
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-14.15	-21.41	-27.16
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.37	-3.58	-4.54
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-14.16	-21.41	-27.16
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.12	-4.72	-5.98

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.12	-4.72	-5.98
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.06	-0.09	-0.11
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.40	-0.61	-0.77
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-44.85	-67.81	-86.01
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-2.15	-3.25	-4.13
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.14	-4.74	-6.01
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.12	-4.72	-5.99
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.16	-0.24	-0.31
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.16	-0.24	-0.31
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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.31	-0.39
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.12	-0.18	-0.23
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.85	-1.28	-1.62
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.73	-1.11	-1.40
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-0.92	-1.40	-1.77
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.56	-0.84	-1.07
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.56	-0.84	-1.07
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-26.58	-40.18	-50.96
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-4.02	-6.07	-7.70
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.49	-6.79	-8.61
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.32	-0.49	-0.62

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.18	-0.28	-0.36
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	-0.60	-0.91	-1.15
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.70	-1.06	-1.35
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-157.37	-237.92	-301.79
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-157.16	-237.61	-301.40
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-2.21	-3.35	-4.24
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.21	-3.35	-4.24
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.18	-0.28	-0.35
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.18	-0.28	-0.35
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-2.21	-3.35	-4.24
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.29	-3.46	-4.39
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.63	-2.46	-3.12
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.06	-1.60	-2.03
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.25	-0.38	-0.49
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	-3.80	-5.75	-7.29
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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.02	-6.07	-7.70
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.75	-5.67	-7.20
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.27	-1.92	-2.44
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, Serious	50	0	-26.73	-40.40	-51.25
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-26.73	-40.40	-51.25
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.01	-0.02	-0.02
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.57	-0.86	-1.09
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.37	-0.56	-0.71
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.05	-0.08	-0.10
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-46.93	-70.94	-89.99
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.07	-0.08
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-46.91	-70.92	-89.96
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.07	-0.11	-0.14
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.05	-0.08	-0.10
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.31	-0.47	-0.59
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.31	-0.47	-0.59
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-1.47	-2.23	-2.83
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.47	-2.23	-2.83
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.15	-0.19
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-5.96	-9.01	-11.43
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.05	-0.08	-0.10
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-18.42	-27.85	-35.32
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.52	-0.79	-1.00
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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.99	-3.01	-3.82
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-28.85	-43.66	-55.38
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-27.17	-41.08	-52.11
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-27.17	-41.08	-52.11
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-28.78	-43.56	-55.25
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-28.78	-43.56	-55.25

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-28.85	-43.66	-55.38
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-28.85	-43.66	-55.38
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-28.85	-43.66	-55.38
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.10	-0.13
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	-0.13	-0.17
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-8.91	-13.48	-17.10
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-8.32	-12.58	-15.95
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.24	-0.30
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.15	-0.24	-0.31
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.07	-0.11	-0.14
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.11	-0.14
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.20	-0.30	-0.38
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.10	-4.68	-5.94
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-3.11	-4.70	-5.96
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.72	-1.09	-1.38
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-10.59	-16.03	-20.33
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.75	-1.13	-1.43
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.75	-1.13	-1.43
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.31	-0.47	-0.60
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.48	-0.72	-0.91
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.50	-0.63
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.33	-0.50	-0.63
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.08	-1.63	-2.06
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-1.08	-1.63	-2.06
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.05	-0.06
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.05	-0.06
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.12	-0.19	-0.24
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.17	-0.21
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	-0.13	-0.17
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.11	-0.16	-0.20
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.11	-0.16	-0.20
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.47	-0.71	-0.90
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.34	-0.52	-0.66
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-6.24	-9.48	-12.02
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-5.88	-8.90	-11.29
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-6.36	-9.65	-12.23
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-6.36	-9.65	-12.23
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.77	-1.17	-1.49
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.82	-5.77	-7.32
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.12	-0.16
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.12	-0.16
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.25	-0.38	-0.48
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.25	-0.38	-0.48
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-2.03	-3.07	-3.89
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.03	-3.07	-3.89
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.06	-0.09	-0.11
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.04	-0.05
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.09	-0.11

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.12	-0.15
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.08	-0.12	-0.15
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-24.38	-36.85	-46.75
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-31.90	-48.24	-61.19
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-32.12	-48.58	-61.62
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-32.12	-48.58	-61.62
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.15	-0.24	-0.30
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.15	-0.24	-0.31
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.15	-0.24	-0.31
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.20	-0.31	-0.39
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-1.09	-1.65	-2.09
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.53	-0.81	-1.03
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-8.69	-13.15	-16.68
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-8.51	-12.87	-16.33
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.09	-0.14	-0.17
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.30	-0.39
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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.25	-0.37	-0.47
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-3.72	-5.62	-7.13
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.66	-4.02	-5.10
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-6.90	-10.43	-13.23
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.23	-0.35	-0.44
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-2.41	-3.64	-4.61

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-2.41	-3.64	-4.61
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-2.41	-3.64	-4.61
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-28.85	-43.66	-55.38
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	-5.36	-8.11	-10.28
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.38	-0.57	-0.72
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.81	-4.25	-5.39
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-37.07	-56.05	-71.10
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-37.81	-57.17	-72.52
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-37.81	-57.17	-72.52
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-37.82	-57.17	-72.52
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-3.72	-5.63	-7.14
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-3.82	-5.77	-7.32
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.72	-5.63	-7.14
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-3.72	-5.63	-7.14
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.43	-0.66	-0.83
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-28.16	-42.57	-53.99
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.44	-3.70	-4.69
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-2.62	-3.97	-5.04
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-2.62	-3.97	-5.04
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-40.25	-60.86	-77.20
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-40.25	-60.86	-77.20
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-40.25	-60.86	-77.20
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-39.87	-60.29	-76.47
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-65.86	-99.58	-126.31
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-65.86	-99.58	-126.31
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-65.86	-99.58	-126.31
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-65.21	-98.59	-125.05
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-65.21	-98.59	-125.05
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.56	-3.88	-4.92
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-2.56	-3.88	-4.92

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.14	-0.18
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.24	-0.37	-0.47
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.19	-0.30	-0.38
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.20	-0.31	-0.39
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.16	-0.24	-0.30
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.16	-0.24	-0.30
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.24	-0.30
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.72	-5.62	-7.13
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.05	-0.06
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.01
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.18	-0.27	-0.34
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-11.05	-16.71	-21.20
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.67	-1.02	-1.29
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-8.79	-13.29	-16.86
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-9.00	-13.61	-17.26
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-9.05	-13.69	-17.36
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-4.37	-6.60	-8.37
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-4.35	-6.58	-8.34
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.20	-0.30	-0.38
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.21	-0.32	-0.41
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-2.47	-3.74	-4.74
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.05	-0.08	-0.10
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-2.26	-3.41	-4.33
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.51	-0.78	-0.99
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.07	-0.09
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.17	-4.79	-6.07
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-5.00	-7.55	-9.58
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.16	-0.24	-0.31
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.16	-4.78	-6.06
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.01	-0.01	-0.01
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.90	-1.36	-1.72
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	-2.94	-4.44	-5.64
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.93	-5.95	-7.54
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-26.52	-40.10	-50.86
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-26.52	-40.10	-50.86
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.21	-0.32	-0.41
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.28	-0.42	-0.53
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.09	-0.13	-0.17
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.11	-4.70	-5.97
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-3.17	-4.79	-6.07
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.19	-4.82	-6.11
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.31	-0.47	-0.60
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-1.67	-2.54	-3.22
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-1.67	-2.54	-3.22
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-2.36	-3.57	-4.53
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.30	-0.46	-0.58
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.10	-0.15	-0.19
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.40	-0.61	-0.77
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.18	-0.27	-0.35
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.18	-0.28	-0.35

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-30. 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

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.18	-0.22
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-10.31	-14.98	-19.08
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.46	-0.67	-0.86
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.78	-1.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.72	-1.04	-1.32
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-3.88	-5.64	-7.18
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.71	-1.03	-1.32
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.13	-1.65	-2.10
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.52	-0.76	-0.97
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.98	-1.43	-1.82
Alton Township, IL	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-11.19	-16.26	-20.71
Amador County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.54	-0.79	-1.01
Anchorage Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.61	-0.88	-1.13
Anchorage; Eagle River, AK	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.19	-0.28	-0.36
Anne Arundel County and Baltimore County, MD	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-1.46	-2.12	-2.70
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.12	-0.17	-0.22
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-14.22	-20.67	-26.33
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.17	-0.25	-0.32
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.98	-1.43	-1.82

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-1.26	-1.84	-2.34
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.47	-2.13	-2.71
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.56	-0.82	-1.04
Aroostock County; City of Presque Isle, ME	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.11
Atlanta, GA	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-1.07	-1.56	-1.98
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.06	-1.55	-1.96
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-2.59	-3.76	-4.79
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.78	-1.13	-1.44
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-3.63	-5.28	-6.72
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-3.63	-5.28	-6.72
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-64.02	-93.04	-118.49
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.23	-0.33	-0.42
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.98	-1.43	-1.81
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-8.10	-11.77	-14.99
Billings, MT	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-8.10	-11.77	-14.99
Birmingham, AL	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-3.46	-5.03	-6.40
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.18	-0.22
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.42	-6.43	-8.19
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-9.73	-14.14	-18.01
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.10	-7.41	-9.44
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.07	-0.11	-0.14
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.22	-0.31	-0.40
Calaveras County, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.49	-0.71	-0.90
Calaveras County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.49	-0.71	-0.90
Campbell-Clermont Counties, KY-OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.24	-0.35	-0.45
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.95	-8.64	-11.01
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, --	100	0	0.00	-0.01	-0.01
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.55	-0.79	-1.01
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.48	-0.70	-0.88

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.04	-1.52	-1.93
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-87.68	-127.43	-162.29
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-87.75	-127.53	-162.41
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.22	-0.31	-0.40
Chico Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.02
Chico, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.09	-0.13	-0.17
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.41	-2.05	-2.61
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.58	-2.30	-2.92
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-2.01	-2.93	-3.72
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.34	-1.94	-2.47
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-7.42	-10.79	-13.74
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-2.66	-3.86	-4.92
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-8.68	-12.62	-16.07
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-7.42	-10.78	-13.73
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.78	-2.59	-3.30
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-1.79	-2.60	-3.31
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-1.31	-1.90	-2.42
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.06	-4.45	-5.67
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-63.73	-92.62	-117.95
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.02	-0.03
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.15	-4.58	-5.83
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.10	-0.13
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.34	-1.94	-2.47
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-6.98	-10.15	-12.92
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-6.98	-10.15	-12.92
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-42.39	-61.60	-78.45
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-34.09	-49.55	-63.10
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-12.23	-17.77	-22.63
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-34.09	-49.55	-63.10
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-5.18	-7.53	-9.59
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-19.26	-27.99	-35.64
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-3.22	-4.68	-5.96
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-19.26	-27.99	-35.65
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-4.24	-6.16	-7.85

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-4.24	-6.16	-7.85
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	-0.08	-0.11	-0.14
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.55	-0.79	-1.01
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-60.95	-88.58	-112.81
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-2.93	-4.25	-5.41
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-4.26	-6.20	-7.89
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.24	-6.16	-7.85
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.22	-0.32	-0.40
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.22	-0.32	-0.40
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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	-0.40	-0.52
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.24	-0.31
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.15	-1.67	-2.13
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.99	-1.45	-1.84
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	-1.26	-1.82	-2.32
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.76	-1.11	-1.41
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.76	-1.11	-1.41
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-36.12	-52.49	-66.84
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.46	-7.93	-10.11
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-6.10	-8.87	-11.29
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.44	-0.65	-0.82

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.25	-0.37	-0.47
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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	-0.82	-1.19	-1.51
Hillsborough-Polk County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.96	-1.39	-1.77
Houston-Galveston-Brazoria, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-213.89	-310.82	-395.86
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-213.61	-310.42	-395.35
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-3.01	-4.37	-5.57
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.01	-4.37	-5.57
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.25	-0.36	-0.46
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.25	-0.36	-0.46
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-3.01	-4.37	-5.57
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.11	-4.52	-5.76
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-2.21	-3.21	-4.09
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-1.44	-2.09	-2.66
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.34	-0.50	-0.64
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	-5.17	-7.51	-9.56
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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-5.46	-7.93	-10.11
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.10	-7.41	-9.44
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-1.73	-2.51	-3.20
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, Serious	50	0	-36.32	-52.78	-67.22
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-36.32	-52.78	-67.22
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.02	-0.03	-0.03
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.78	-1.13	-1.44
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.51	-0.73	-0.94
Lake County (part); Lakeview, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.07	-0.10	-0.13
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-63.77	-92.67	-118.03
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.06	-0.09	-0.11
Lake County; Cities of East Chicago, Hammond, Whiting, and Gary, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-63.75	-92.65	-117.99
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.10	-0.14	-0.18
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.07	-0.10	-0.13
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.42	-0.61	-0.78
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.42	-0.61	-0.78
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-2.01	-2.93	-3.73
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.01	-2.93	-3.72
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.13	-0.19	-0.24
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-8.10	-11.77	-14.99
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.07	-0.11	-0.14
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-25.03	-36.38	-46.33
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.71	-1.03	-1.32
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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-2.70	-3.93	-5.00
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-39.29	-57.11	-72.72
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-36.93	-53.67	-68.35
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-36.93	-53.67	-68.35
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-39.20	-56.98	-72.55
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-39.20	-56.98	-72.55

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-39.29	-57.11	-72.72
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-39.29	-57.11	-72.72
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-39.29	-57.11	-72.72
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.14	-0.18
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.17	-0.22
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-12.12	-17.61	-22.42
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-11.31	-16.43	-20.93
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.31	-0.40
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.23	-0.33	-0.42
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Mariposa County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.10	-0.15	-0.19
Mariposa County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.15	-0.19
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.27	-0.39	-0.50
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-4.21	-6.12	-7.80
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-4.23	-6.15	-7.83
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.98	-1.43	-1.82
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-14.41	-20.95	-26.68
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-1.01	-1.47	-1.88
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-1.01	-1.47	-1.88
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	-0.62	-0.79
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.65	-0.94	-1.20
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.45	-0.65	-0.83
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.45	-0.65	-0.83
Morgan County, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Morongo Band of Mission Indians	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.46	-2.12	-2.71
Morongo Band of Mission Indians, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-1.46	-2.12	-2.71
Morristown Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.04	-0.06	-0.08
Muscatine, IA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.06	-0.08
Muskegon County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.17	-0.24	-0.31
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.15	-0.22	-0.28
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.17	-0.22
Nassau County, FL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.14	-0.21	-0.27
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.14	-0.21	-0.27
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.64	-0.93	-1.18
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.47	-0.68	-0.87
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-8.55	-12.44	-15.83
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-8.02	-11.66	-14.85
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-8.70	-12.66	-16.11
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-8.70	-12.66	-16.11
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.05	-1.53	-1.95
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.19	-7.55	-9.61
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.11	-0.16	-0.20
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.16	-0.20
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.34	-0.50	-0.63
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.34	-0.50	-0.63
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-2.76	-4.01	-5.11
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-2.76	-4.01	-5.11
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.08	-0.11	-0.14
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.05	-0.07
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.08	-0.11	-0.14

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.11	-0.16	-0.20
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.11	-0.16	-0.20
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-33.13	-48.15	-61.32
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-43.37	-63.04	-80.28
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-43.68	-63.49	-80.85
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-43.68	-63.49	-80.85
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.22	-0.33	-0.41
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.23	-0.34	-0.42
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.23	-0.34	-0.43
Pierce County; Tacoma, WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.28	-0.40	-0.51
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-1.48	-2.15	-2.74
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.73	-1.06	-1.35
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-11.83	-17.19	-21.89
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-11.57	-16.82	-21.42
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.12	-0.18	-0.23
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.28	-0.40	-0.51
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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.33	-0.48	-0.61
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-5.05	-7.35	-9.36
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.62	-5.26	-6.70
Ramsey County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-9.38	-13.63	-17.35
Reading, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.32	-0.46	-0.58
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-3.27	-4.75	-6.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-3.27	-4.75	-6.05
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-3.27	-4.75	-6.05
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-39.29	-57.11	-72.72
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	-7.29	-10.59	-13.49
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.51	-0.75	-0.95
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.82	-5.56	-7.07
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-50.39	-73.22	-93.25
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-51.40	-74.69	-95.12
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-51.40	-74.69	-95.12
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-51.40	-74.69	-95.13
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-5.06	-7.35	-9.36
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-5.19	-7.55	-9.61
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.06	-7.35	-9.37
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-5.06	-7.35	-9.37
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.60	-0.87	-1.10
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-38.27	-55.61	-70.82
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-3.33	-4.84	-6.17
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-3.58	-5.20	-6.63
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-3.58	-5.20	-6.63
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-54.73	-79.54	-101.30
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-54.73	-79.54	-101.30
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-54.73	-79.55	-101.30
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-54.21	-78.78	-100.33
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-89.52	-130.10	-165.69
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-89.52	-130.10	-165.69
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-89.52	-130.10	-165.69
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-88.63	-128.80	-164.04
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-88.63	-128.80	-164.04
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-3.48	-5.06	-6.45
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-3.48	-5.06	-6.45

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
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San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.18	-0.23
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.33	-0.48	-0.62
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.28	-0.40	-0.51
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.28	-0.40	-0.51
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.21	-0.31	-0.40
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	-0.21	-0.31	-0.40
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.21	-0.31	-0.40
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-5.05	-7.35	-9.36
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.08
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.01
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.24	-0.35	-0.44
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-15.02	-21.83	-27.80
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.91	-1.33	-1.69
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-11.95	-17.37	-22.12
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-12.24	-17.79	-22.65
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-12.31	-17.89	-22.79
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-5.93	-8.62	-10.98
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-5.91	-8.59	-10.94
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.27	-0.40	-0.51
Sullivan County, TN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
Sutter Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Syracuse Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.29	-0.42	-0.54
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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-3.36	-4.88	-6.22
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	-0.07	-0.11	-0.14
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-3.07	-4.46	-5.68
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tuolumne County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.70	-1.01	-1.29
Tuscan Buttes, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.06	-0.09	-0.12
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.30	-6.25	-7.96
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-6.79	-9.87	-12.57
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.22	-0.32	-0.40
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.29	-6.24	-7.95
Tuscan Buttes, CA	Ozone (2015 8-hour)	Nonattainment, Marginal (Rural Transport)	100	0	-0.01	-0.01	-0.01
Uinta Basin, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.22	-1.77	-2.26
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	-4.00	-5.81	-7.39
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-5.35	-7.77	-9.89
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.02
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-36.05	-52.38	-66.71
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-36.05	-52.38	-66.71
Vermillion County; Part of Clinton Township, IN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.29	-0.42	-0.54
Vigo County, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.38	-0.55	-0.70
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.12	-0.17	-0.22
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.23	-6.14	-7.82
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-4.30	-6.25	-7.96
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-4.33	-6.29	-8.01
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.43	-0.62	-0.79
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-2.30	-3.34	-4.25
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-2.30	-3.34	-4.25
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-3.21	-4.66	-5.94
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.41	-0.60	-0.77
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	-0.13	-0.19	-0.24
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.55	-0.80	-1.02
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.25	-0.36	-0.46
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.25	-0.36	-0.46

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-31. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2025

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.02	0.03
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.04
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.04
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.02	0.03	0.05
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of 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	0.00	0.00
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	0.02	0.04
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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.01	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	0.03	0.04	0.07
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.01
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.11	0.14	0.24
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.01
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.03	0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	0.04
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.08	-0.10
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.01	-0.01	-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	100	0	0.21	0.25	0.45
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.15	0.19	0.34
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Baltimore Area, 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	0.09	0.11	0.19
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.09	0.11	0.20
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	0.01	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, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.01
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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	0.03	0.04	0.07
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.02	0.03
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.03	0.03	0.06
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.01	0.01	0.02
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.01
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.02
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.06	0.07	0.13

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.11	0.13	0.23
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.23	0.28	0.50
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.26	0.31	0.55
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.01
Chico Area, 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	0.01	0.01	0.01
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.10	0.17
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.08	0.10	0.18
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.09	0.11	0.19
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.04	0.08
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.11	0.20
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.05	0.06	0.10
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.10	0.12	0.21
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.09	0.11	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 Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.04
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.07	0.08	0.15
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.06	0.08	0.14
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, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.03	0.03	0.06
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.04	0.04	0.08
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.20	0.24	0.47
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.20	0.23	0.46
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.01	0.01	0.03
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.03	0.11
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.00	0.05
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.04	0.03	0.11
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	0.05	0.05	0.10
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.15	0.18	0.32
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	0.15	0.18	0.32
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.02
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.02	0.02	0.04
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.01
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.02	0.02	0.04
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.06	0.07	0.12
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.06	0.07	0.12
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.08	-0.11	-0.14
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) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.04	0.08

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.05	0.09
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	0.15	0.18	0.36
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.15	0.17	0.36
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.01	0.01	0.02
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	0.02
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.02	-0.03
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.02	0.02	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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
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)	Nonattainment, --	100	0	0.00	0.00	0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-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, Serious	50	0	-0.01	-0.01	-0.02
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Klamath Falls, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.03	0.04	0.06
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.04	0.04	0.08
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.02	0.03
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	0.01	0.02
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.02	0.02	0.03
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.03
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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	0.02
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.09	0.11	0.19
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.09	0.11	0.19
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	0.01	0.01
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.01	0.01	0.01
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)	Nonattainment, Moderate	100	0	0.00	0.00	0.01
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.11	-0.15
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.58	0.71	1.26
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.03	0.05
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.03	0.05
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.58	0.71	1.26
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.58	0.71	1.26

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.58	0.71	1.26
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.58	0.71	1.26
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.58	0.71	1.26
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.06	0.10
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.15	0.18	0.31
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.02	0.02	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, Marginal	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.04	0.08
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.05	0.06	0.10
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.05	0.06	0.10
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.12	0.14	0.25
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, 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
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	0.01	0.01	0.01
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	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 Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	0.07
New Manchester-Grant magisterial district in Hancock County, WV	SO SO ₂ 2 (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.47	0.57	1.01
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.25	0.30	0.54
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.46	0.56	0.99
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.46	0.56	0.99
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.05	0.06	0.10
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	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, Marginal	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.04	0.04	0.08
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.16	0.19	0.34
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.21	0.26	0.46
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.21	0.26	0.46
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.14	0.17	0.30
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.15	0.18	0.32
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.15	0.18	0.32
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.01	0.01	0.02
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.09	-0.12
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.03	0.04	0.08
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.03	0.03	0.08
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.06	0.10
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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.01
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.02	0.02	0.03
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	0.07	0.14
Ramsey County; (part), 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	0.02
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.02	0.04

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.02	0.02	0.04
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.02	0.02	0.04
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.58	0.70	1.26
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	-0.10	-0.15
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.06	0.11
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.03	0.06
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	0.06	0.07	0.13
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.06	0.07	0.13
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.06	0.07	0.13
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.05	0.06	0.11
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.03	0.03	0.06
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.03	0.03	0.06
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.06	0.08	0.14
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.02
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.13	0.16	0.28
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.13	0.16	0.28
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.13	0.16	0.28
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.25	0.30	0.55
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.25	0.30	0.55
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.25	0.30	0.55
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.23	0.28	0.50
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.10	0.12	0.23
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.10	0.12	0.23
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.10	0.12	0.23
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.10	0.12	0.23
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.10	0.12	0.23
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.02
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.01	0.01	0.02
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.11	0.13	0.24
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.02	0.02	0.04
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.02	0.03
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.01	0.03
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.03
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.01	0.01
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.03	0.05
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.08	0.10	0.17
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.09	0.11	0.20
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 Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.03
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.02	0.03
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.01
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.03	0.04	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	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
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	-0.03	-0.03	-0.05
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	-0.03	-0.04	-0.06
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.02
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.02	0.02	0.04
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	0.02	0.02	0.04
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, --	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 Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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 Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.03	0.05
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	0.19	0.23	0.40
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.19	0.23	0.40
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.01	0.01	0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	0.04
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.01
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.01	0.01
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.01

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Appendix B Air Quality Nonattainment Area Results

Table B-32. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2035

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.01
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.53	-1.00	-1.38
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.05
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.04	-0.09	-0.13
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.04	-0.05
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.05	-0.07
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.04
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.03	-0.04
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 Area, 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	-0.01	-0.03	-0.04
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.05	0.03	0.05
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.01
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.61	-0.85
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.03	-0.06	-0.09
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	100	0	0.01	-0.10	-0.11
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.11	-0.13
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.12	-0.16
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.01
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	0.00	-0.06	-0.07
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.00	-0.06	-0.07
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.11	-0.22	-0.30
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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	-0.07	-0.16	-0.21
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	0.01	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 Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.01	0.02
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.00	-0.02	-0.02
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, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.11	-0.21	-0.29
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	0.02	0.01	0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.02	-0.02	-0.01
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.10	0.06	0.10
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.11	0.06	0.12
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Chico Area, 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	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.03	0.04
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.04	0.02	0.04
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.04	0.03	0.05
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.01	0.02
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.02	0.04
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.02	0.01	0.02
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.03	0.00	0.02
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.04	0.02	0.04
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.02	-0.01	0.00
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	0.01	-0.01	-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	-0.01	-0.01
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.12	-0.17
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.01	0.01	0.02
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.02	0.01	0.02
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.42	-0.94	-1.26
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.42	-0.94	-1.26
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.02	-0.02
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.53	-1.06	-1.44
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.51	-0.99	-1.36
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.53	-1.06	-1.44
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.03	-0.09	-0.12
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.12	-0.15
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.03	-0.06	-0.09
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.12	-0.15
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.05

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.02	-0.04	-0.05
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.06	-0.12	-0.16
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.04
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.03	-0.05
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.04	-0.07	-0.09
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.02	0.01	0.02
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.02	0.01	0.02
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.55	-1.02	-1.40
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.00	-0.02	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.01	0.02
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	-0.47	-1.00	-1.36
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.44	-0.94	-1.28
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-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 County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	-0.01	-0.01
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.12	-0.16
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.11	-0.20	-0.28
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.00	-0.01	-0.01
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	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	-0.02	-0.03	-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)	Nonattainment, --	100	0	0.00	0.00	0.00
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.07	-0.13	-0.18
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, Serious	50	0	-0.08	-0.14	-0.20
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.08	-0.14	-0.20
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.01	0.01	0.01
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.01
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	0.04	0.03	0.05
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.04	0.03	0.05
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	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	-0.02	-0.04	-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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.49	-0.90	-1.25
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	0.15	-0.05	-0.01
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.07	-0.14	-0.19
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.07	-0.14	-0.19
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.16	-0.05	0.00
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	0.16	-0.05	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	0.15	-0.05	-0.01
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	0.15	-0.05	-0.01
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	0.15	-0.05	-0.01
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.02	0.01	0.02
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-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 Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	0.07	0.05	0.08
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-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, Marginal	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.09
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.01	0.01
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.02	0.01	0.02
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.02	0.02	0.03
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.05	0.03	0.05
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Modesto Area, 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 County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	0.00	0.00	0.00
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	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
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, Moderate	100	0	0.00	0.00	0.00
New Haven County, CT	PM ₁₀ (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.01	0.02
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
New York County, NY	PM ₁₀ (1987 24-hour)	Nonattainment, Moderate	100	0	0.01	0.00	0.01
New York, NY-NJ-CT	PM _{2.5} (2006 24-hour)	Maintenance, Former Subpart 1	100	0	0.20	0.10	0.20
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.10	0.05	0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.19	0.10	0.19
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	0.19	0.10	0.19
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM _{2.5} (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.05	-0.07
Oakridge, OR	PM _{2.5} (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM ₁₀ (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM ₁₀ (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.01
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.01
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	-0.01	0.00
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	0.04	-0.02	-0.01
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.06	-0.01	0.01
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.06	-0.01	0.01
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	0.07	0.05	0.08
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	0.07	0.05	0.08
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.07	0.05	0.09
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, 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	-0.39	-0.72	-0.99
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.03	-0.05
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.18	-0.37	-0.51
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.16	-0.33	-0.45
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.02	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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	0.00	0.00
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.01	-0.02	-0.03
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.07	-0.09
Ramsey County; (part), 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	-0.05
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.01
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	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	-0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	0.00	-0.01	-0.01
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, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.15	-0.05	-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	-0.47	-0.86	-1.18
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.12	-0.23	-0.31
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.02	0.01	0.01
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.12	-0.24	-0.33
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.10	-0.23	-0.31
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.10	-0.23	-0.31
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.23	-0.31
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.07	-0.10
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.01	-0.05	-0.07
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.06	-0.08
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	-0.06	-0.08
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.04	-0.05
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.07	-0.14	-0.20
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.06	0.03	0.06
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.06	0.03	0.06
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.06	0.03	0.06
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.16	-0.19
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.16	-0.19
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.16	-0.19
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.17	-0.20
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.16	-0.37	-0.49
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.16	-0.37	-0.49
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.16	-0.37	-0.49
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.15	-0.36	-0.48
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.15	-0.36	-0.48
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.13	-0.17
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.07	-0.13	-0.17

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.05	0.04	0.06
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	0.01	0.01	0.01
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	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
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	0.01	0.00	0.01
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.01	0.00	0.01
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.09	-0.16	-0.22
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	0.01	0.00	0.01
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.03	0.01	0.02
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	0.04	0.02	0.03
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.05
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.06	-0.08
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.06	-0.12	-0.17
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	0.01	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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.09	-0.13
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.10	-0.14
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.08	-0.12
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
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	-0.16	-0.30	-0.42
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	-0.19	-0.34	-0.47
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.10	-0.13
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.01	0.00	0.01
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.07	-0.15	-0.21
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.07	-0.15	-0.21
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, --	100	0	0.00	-0.01	-0.01
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.02
Washington Area, 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	50	0	0.05	-0.01	0.00
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	0.05	-0.01	0.00
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.01

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County: Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.09
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	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
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, 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

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

Table B-33. Changes in Emissions from U.S. Passenger Cars and Light Trucks by Nonattainment or Maintenance Area and Alternative, Direct and Indirect Impacts—Formaldehyde, 2050

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Ada County; Boise, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Adams, Denver, and Boulder Counties; Denver Metropolitan area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.88	-1.39	-1.92
Ajo, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Albuquerque Area, NM	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.08
Allegan County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.03
Morenci (Greenlee County), AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Allegheny County Air Basin: Hazelwood monitor, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.03	-0.05	-0.07
Allegheny County, PA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.11	-0.18	-0.26
Allegheny County; The area including Liberty, Lincoln, Port Vue, and Glassport Boroughs and the City of Clairton, PA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.06
Allegheny, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.07	-0.10
Allentown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.04	-0.07	-0.10
Allentown-Bethlehem-Easton, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.08	-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 Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	-0.01	-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	-0.06	-0.11	-0.17
AQCR 012: Portions of Grant County, NM	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 109-Millinocket, ME	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
AQCR 131: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington counties (Minneapolis-St. Paul), MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.07	-0.17	-0.28
AQCR 237: Brown County: Green Bay subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 238: Marathon County: Rothschild subcity area, Rib Mountain, Weston, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
AQCR 238: Oneida County: Rhinelander subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
AQCR 239: Milwaukee County: Milwaukee subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.04	-0.06

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
AQCR 240: Dane County: Madison subcity area, WI	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.03	-0.04
Archuleta County; Pagosa Springs, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.51	-0.78	-1.07
Armstrong County: Madison Twp, Mahoning Twp, Boggs Twp, Washington Twp, Pine Twp, PA	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.05	-0.08	-0.11
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	100	0	-0.28	-0.54	-0.82
Atlanta, GA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.24	-0.45	-0.68
Atlantic City Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Bakersfield Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	-0.11	-0.18	-0.25
Baltimore Area, MD	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Baltimore, MD	Ozone (2008 8-hour)	Nonattainment, Moderate	50	0	-0.13	-0.25	-0.38
Baltimore, MD	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.13	-0.26	-0.38
Baton Rouge, LA	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.21	-0.33	-0.47
Beaver, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
Benton County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Berrien County, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.02	-0.04	-0.06
Billings Area, MT	CO (1971 8-hour)	Maintenance, --	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	-0.17	-0.29	-0.41
Boise-Northern Ada County Area, ID	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Bonner County; The Sandpoint Area, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Boston Area, MA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.04	-0.06
Boyd County (part), KY	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.04
Brooke; Follansbee area, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Burlington Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Butte County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-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
Canton-Massillon, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.02	-0.04	-0.06
Central New Hampshire, NH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Central Steptoe Valley, NV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Charleston, WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.18	-0.28	-0.39
Charlotte Area, NC	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.10	-0.15

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Charlotte-Rock Hill, NC-SC	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.11	-0.23	-0.35
Chicago, IL-IN-WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.16	-0.36	-0.57
Chicago-Naperville, IL-IN-WI	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.17	-0.39	-0.63
Chico (Butte County), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.02	-0.02
Chico Area, 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	-0.01	-0.02	-0.02
Cincinnati, OH-KY	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.12	-0.19
Cincinnati, OH-KY-IN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.05	-0.13	-0.20
Clark County; Las Vegas planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.05	-0.13	-0.21
Cleveland Area, OH	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.08
Cleveland, OH	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.15	-0.23
Cleveland, OH	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.07	-0.11
Cleveland-Akron-Lorain, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.08	-0.18	-0.28
Cleveland-Akron-Lorain, OH	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.06	-0.14	-0.22
Cochise County; Paul Spur/Douglas planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Colorado Springs Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.08
Columbus, OH	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.07	-0.14	-0.22
Columbus, OH	Ozone (2015 8-hour)	Maintenance, Marginal	100	0	-0.06	-0.13	-0.21
Cook County; Lyons Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Cook County; Southeast Chicago, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Coshocton County; Franklin Township, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Coso Junction, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.15	-0.21
Cuyahoga County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.07
Cuyahoga County, OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.05	-0.08
Dallas-Fort Worth, TX	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.04	-1.75	-2.50
Dallas-Fort Worth, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.03	-1.74	-2.49
Delaware County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07
Denver Metro/North Front Range, CO	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.00	-1.61	-2.25
Denver-Boulder Area, CO	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.91	-1.46	-2.04
Denver-Boulder-Greeley-Ft Collins-Loveland, CO	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-1.00	-1.61	-2.25
Detroit Area, MI	CO (1971 8-hour)	Maintenance, --	100	0	-0.13	-0.22	-0.32
Detroit, MI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.24	-0.46	-0.68
Detroit, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.06	-0.10	-0.13
Detroit-Ann Arbor, MI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.24	-0.46	-0.69
Doña Ana County (Sunland Park Area), NM	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.05	-0.06

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Doña Ana County; Anthony, NM	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.06
Door County, WI	Ozone (2015 8-hour)	Maintenance, Marginal (Rural Transport)	100	0	0.00	0.00	0.00
Douglas, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Dukes County, MA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	0.00	0.00	0.00
Duluth Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	-0.01	-0.01
East Chicago Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
East Helena Area, MT	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
East Kern County Area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.10	-0.15	-0.21
El Paso County, TX	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.04	-0.07	-0.11
El Paso, TX	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.06
Eugene-Springfield Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Evangeline Parish (Partial), LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Fairbanks Area, AK	CO (1971 8-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Fairbanks, AK	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	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)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Fort Collins Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Freehold Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Freestone and Anderson Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.05	-0.08	-0.12
Fremont County; Canon City Area, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.02	-0.02	-0.03
Fresno Area, CA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.02	-0.04	-0.05
Grants Pass Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Great Falls Area, MT	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Greater Connecticut, CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.04	-0.10	-0.15
Greater Connecticut, CT	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.04	-0.10	-0.15
Greeley Area, CO	CO (1971 8-hour)	Maintenance, --	100	0	-0.86	-1.32	-1.82
Hancock and Brooke Counties (Part); The city of Weirton, WV	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Hancock County (Part) The city of Weirton, including Butler and Clay: Magisterial Districts, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.05
Harrisburg-Lebanon-Carlisle-York, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.05	-0.09	-0.14

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Hartford-New Britain-Middletown Area, CT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.06	-0.09
Hayden, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Hayden, AZ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Hayden, AZ	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, Serious	50	0	-1.05	-1.75	-2.48
Houston-Galveston-Brazoria, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-1.00	-1.66	-2.36
Humphreys County; (part) TVA Johnsonville, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Huntington, IN	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Imperial County, CA	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.03	-0.04
Imperial County, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.03	-0.04
Imperial County, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Imperial County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Imperial County; Imperial Valley planning area, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.03	-0.04
Indian Wells, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.15	-0.21
Indiana, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.17	-0.26	-0.36
Indianapolis Area, IN	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Indianapolis, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.02	-0.05	-0.07
Inyo County; Owens Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.01
Jackson County, MO	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	-0.01	-0.01
Jackson County; Medford-Ashland (including White City), OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Jamestown, NY	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.05	-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)	Nonattainment, --	100	0	0.00	0.00	-0.01
Jefferson County; (part) Steubenville & Mingo Junction, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.01
Jefferson County; (part), OH	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Johnstown, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.11	-0.18	-0.24
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, Serious	50	0	-0.12	-0.19	-0.26
Kern County (Eastern Kern), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.12	-0.19	-0.26
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 County; Klamath Falls, OR	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Klamath Falls Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	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

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Knoxville, TN	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.02	-0.05	-0.07
Knoxville-Sevierville-La Follette, TN	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.06	-0.09
La Porte County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	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
Lake County, OH	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Lake County: (part), IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-0.06
Lake County; (part) Eastlake, Timberlake, Lakeline, Willoughby, Mentor, OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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	-0.03	-0.04
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 Nevada Area, NV	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe North Shore Area, CA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Lake Tahoe South Shore Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Lancaster, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.03	-0.05	-0.07
Lancaster, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.03	-0.05	-0.07
Lane County (part); Oakridge, OR	PM10 (1987 24-hour)	Nonattainment, 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
Las Vegas Area, NV	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.05	-0.13	-0.21
Las Vegas, NV	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.05	-0.13	-0.21
LaSalle County; Oglesby, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Laurel Area, MT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Lebanon County, PA	PM2.5 (2012 Annual)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Lemont, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Liberty-Clairton, PA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.03	-0.05	-0.06
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)	Nonattainment, Moderate	100	0	0.00	0.00	-0.01
Longmont Area, CO	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.75	-1.15	-1.58
Lorain County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Los Angeles, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.57	-1.19	-1.84
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.15	-0.25	-0.35
Los Angeles-San Bernardino Counties (West Mojave Desert), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.15	-0.25	-0.35
Los Angeles-South Coast Air Basin Area, CA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.57	-1.19	-1.83
Los Angeles-South Coast Air Basin Area, CA	NO ₂ (1971 Annual)	Maintenance, --	100	0	-0.57	-1.19	-1.83

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Los Angeles-South Coast Air Basin, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.57	-1.19	-1.84
Los Angeles-South Coast Air Basin, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.57	-1.19	-1.84
Los Angeles-South Coast Air Basin, CA	PM2.5 (2012 Annual)	Nonattainment, Serious	100	0	-0.57	-1.19	-1.84
Louisville, KY-IN	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.08	-0.12
Lowell Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Lucas County (part), OH	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.03	-0.05
Madison County; Granite City Township and Nameoki Township, IL	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Manchester Area, NH	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Manitowoc County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	0.00
Maricopa and Pinal Counties; Phoenix planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.09	-0.21	-0.33
Marion County: Lawrence, Washington, and Warrant Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.02	-0.04	-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, Marginal	100	0	0.00	0.00	0.00
Marshall, WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.06	-0.09	-0.12
Medford Area, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Memphis Area, TN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.06	-0.09
Memphis, TN-MS-AR	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.03	-0.08	-0.12
Miami, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Miami, AZ	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Milwaukee-Racine, WI	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.03	-0.07	-0.11
Minneapolis-St. Paul Area, MN	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.08	-0.18	-0.28
Missoula Area, MT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	-0.01
Missoula county; Missoula and vicinity, MT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	-0.01
Modesto Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Mohave County (part); Bullhead City, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Mono County; Mammoth Lake planning area, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Mono County; Mono Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	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	Ozone (2008 8-hour)	Nonattainment, Serious	50	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 Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Muscatine County; (part), IA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	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, Marginal	100	0	0.00	-0.01	-0.01
Muskingum River, OH	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
Nashua Area, NH	CO (1971 8-hour)	Maintenance, --	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
Nevada County (Western part), CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	0.00	-0.01	-0.01
Nevada County (Western part), CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.01
New Haven County, CT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
New Haven-Meriden-Waterbury Area, CT	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.07
New Manchester-Grant magisterial district in Hancock County, WV	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.01	-0.02
New York County, NY	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.01	-0.02	-0.03
New York, NY-NJ-CT	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.32	-0.74	-1.18
New York-N. New Jersey-Long Island Area, NY-NJ-CT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.18	-0.41	-0.64
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.32	-0.73	-1.16
New York-Northern New Jersey-Long Island, NY-NJ-CT	Ozone (2015 8-hour)	Nonattainment, Moderate	50	0	-0.32	-0.73	-1.16
NJ portion of the Northeast Pennsylvania-Upper Delaware Valley Interstate AQCR: (part), NJ	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	0.00	0.00	0.00
Nogales, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Northern Milwaukee/Ozaukee Shoreline, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01
Northern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.17	-0.25
Oakridge, OR	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Ogden Area, UT	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	0.00	0.00	0.00
Ogden Area, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Olmsted County; (part), MN	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Olmsted; City of Rochester, MN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.01	-0.01	-0.02
Pechanga Band of Luiseño Mission Indians of the Pechanga Reservation, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.01	-0.01	-0.02
Pekin, IL	SO ₂ (2010 1-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Penns Grove Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Peoria County: Hollis twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Peoria County; Peoria, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	-0.01	-0.01
Perth Amboy Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	-0.01
Philadelphia-Camden County Area, PA-NJ	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.08	-0.12
Philadelphia-Wilmington, PA-NJ-DE	PM2.5 (2006 24-hour)	Maintenance, Moderate for PA and DE; Subject to Former Subpart 1 for NJ	100	0	-0.16	-0.32	-0.50
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.20	-0.42	-0.65
Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.20	-0.42	-0.65
Phoenix Area, AZ	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.08	-0.20	-0.32
Phoenix-Mesa, AZ	Ozone (2008 8-hour)	Nonattainment, Moderate	100	0	-0.09	-0.21	-0.34
Phoenix-Mesa, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.21	-0.34
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 and Gila Counties; Payson, AZ	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Pinal County (part); West Pinal, AZ	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.01	-0.01	-0.02
Pitkin County; Aspen, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.59	-0.91	-1.25
Pittsburgh Area, PA	CO (1971 8-hour)	Maintenance, --	100	0	-0.04	-0.06	-0.08
Pittsburgh-Beaver Valley, PA	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.37	-0.60	-0.85
Pittsburgh-Beaver Valley, PA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.33	-0.54	-0.76
Plumas County, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Polk County, TN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Portland Area: Portland Metro Service District Boundary, OR	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.07	-0.11
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 Area, UT	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	0.00	-0.01	-0.01
Provo, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.03	-0.06	-0.09
Prowers County; Lamar, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	0.00	0.00
Raleigh-Durham Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.12	-0.22	-0.33
Ramsey County; (part), 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	-0.04	-0.07	-0.10
Reno Area, NV	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.01	-0.02
Rhineland, WI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.02	-0.04	-0.06

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Riverside County (Coachella Valley), CA	Ozone (2015 8-hour)	Nonattainment, Severe-15	25	0	-0.02	-0.04	-0.06
Riverside County; Coachella Valley planning area, CA	PM10 (1987 24-hour)	Nonattainment, Serious	70	0	-0.02	-0.04	-0.07
Riverside, Los Angeles, Orange, and San Bernardino Counties; South Coast Air Basin, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.57	-1.19	-1.83
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	-0.71	-1.10	-1.50
Rusk and Panola Counties, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.19	-0.29	-0.40
Sacramento Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.04	-0.09	-0.14
Sacramento County, CA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.24	-0.40	-0.56
Sacramento Metro, CA	Ozone (2008 8-hour)	Nonattainment, Severe-15	25	0	-0.26	-0.44	-0.64
Sacramento Metro, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.26	-0.44	-0.64
Sacramento, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.26	-0.44	-0.63
Salem Area, OR	CO (1971 8-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Salt Lake City Area, UT	CO (1971 8-hour)	Maintenance, --	100	0	-0.06	-0.10	-0.14
Salt Lake City, UT	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.09	-0.17	-0.26
Salt Lake County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.08	-0.14	-0.21
Salt Lake County, UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.08	-0.14	-0.21
San Antonio, TX	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.09	-0.18	-0.27
San Bernardino County (part); excluding Searles Valley Planning area and South Coast Air Basin, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.14	-0.23	-0.32
San Diego Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.09	-0.20	-0.32
San Diego County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.09	-0.20	-0.32
San Diego County, CA	Ozone (2015 8-hour)	Nonattainment, Moderate	100	0	-0.09	-0.20	-0.32
San Francisco Bay Area, CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.37	-0.71	-1.07
San Francisco Bay Area, CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.37	-0.71	-1.07
San Francisco Bay Area, CA	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	-0.37	-0.72	-1.08
San Francisco-Oakland-San Jose Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.36	-0.68	-1.02
San Joaquin Valley Air Basin; Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare Counties, CA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.42	-0.72	-1.04
San Joaquin Valley, CA	Ozone (2008 8-hour)	Nonattainment, Extreme	10	0	-0.42	-0.72	-1.04
San Joaquin Valley, CA	Ozone (2015 8-hour)	Nonattainment, Extreme	10	0	-0.42	-0.72	-1.04
San Joaquin Valley, CA	PM2.5 (2006 24-hour)	Nonattainment, Serious	100	0	-0.42	-0.71	-1.02
San Joaquin Valley, CA	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	-0.42	-0.71	-1.02
San Luis Obispo (Eastern part), CA	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.16	-0.22
San Luis Obispo (Eastern San Luis Obispo), CA	Ozone (2008 8-hour)	Nonattainment, Marginal	100	0	-0.10	-0.16	-0.22

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
San Manuel, AZ	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
San Miguel County; Telluride, CO	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.02
Sanders County (part); Thompson Falls and vicinity, MT	PM10 (1987 24-hour)	Nonattainment, 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
Seaford, DE	Ozone (2008 8-hour)	Nonattainment, Marginal	50	0	-0.01	-0.02	-0.03
Seattle-Tacoma Area, WA	CO (1971 8-hour)	Maintenance, Moderate > 12.7ppm	100	0	-0.06	-0.16	-0.25
Seattle-Tacoma, WA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.03	-0.04
Shoreline Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Inland Sheboygan County, WI	Ozone (2008 8-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Sheboygan County, WI	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	-0.01	-0.01
Sheridan County; City of Sheridan, WY	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Shoshone County (part); excluding Pinehurst, ID	PM10 (1987 24-hour)	Maintenance, Moderate	100	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
Silver Bow County; Butte, MT	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Somerville Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Southern Wasatch Front, UT	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.03	-0.06	-0.09
Southwest Indiana, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.01	-0.01	-0.02
Spokane Area, WA	CO (1971 8-hour)	Maintenance, Serious	100	0	-0.01	-0.02	-0.03
Spokane County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.02	-0.03
Springfield Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
St. Bernard Parish, LA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.14	-0.21	-0.29
St. Clair, MI	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.02	-0.03	-0.04
St. Louis Area, MO	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.07
St. Louis, MO-IL	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	-0.06	-0.13	-0.21
St. Louis-St. Charles-Farmington, MO-IL	Ozone (2008 8-hour)	Maintenance, Marginal	100	0	-0.07	-0.16	-0.25
Steubenville, OH-WV	SO ₂ (2010 1-hour)	Maintenance, --	100	0	-0.03	-0.05	-0.07
Steubenville-Weirton, OH-WV	PM2.5 (2006 24-hour)	Maintenance, Former Subpart 1	100	0	-0.05	-0.08	-0.11
Stockton Area, CA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
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 Area; Onondaga County, NY	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.05	-0.08
Tazewell County; Groveland twp, IL	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	0.00
Terre Haute, IN	SO ₂ (2010 1-hour)	Maintenance, --	100	0	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	-0.01	-0.01
Titus County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Toms River Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Tooele County (part), UT	SO ₂ (1971 24-hour/Annual)	Nonattainment, --	100	0	-0.02	-0.04	-0.05
Trenton Area, NJ	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.01
Trona, CA	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	-0.10	-0.15	-0.21
Tucson Area, AZ	CO (1971 8-hour)	Maintenance, --	100	0	-0.02	-0.04	-0.07
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
Henderson-Webster Counties, KY	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.01	-0.01
New Madrid County, MO	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
Howard County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.08	-0.12	-0.17
Hutchinson County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.08	-0.13	-0.17
Navarro County, TX	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.07	-0.11	-0.15
Giles County, VA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	0.00	0.00	0.00
Whatcom County, WA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.02
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	-0.25	-0.39	-0.53
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	-0.28	-0.44	-0.60
Utah County, UT	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.10	-0.16	-0.22
Vancouver Area: Clark County (part), WA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.01	-0.02	-0.03
Ventura County, CA	Ozone (2008 8-hour)	Nonattainment, Serious	50	0	-0.16	-0.25	-0.36
Ventura County, CA	Ozone (2015 8-hour)	Nonattainment, Serious	50	0	-0.15	-0.25	-0.36
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, --	100	0	-0.01	-0.02	-0.03
Walla Walla County; Wallula, WA	PM10 (1987 24-hour)	Maintenance, Serious	100	0	0.00	0.00	0.00
Waltham Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Warren County: Conewago Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.02
Warren County: Warren Boro, Pleasant Twp, Glade Twp, PA	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	-0.01	-0.02	-0.03
Warren, PA	SO ₂ (2010 1-hour)	Nonattainment, --	100	0	-0.01	-0.02	-0.03
Washington Area, DC-MD-VA	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.03	-0.06	-0.09
Washington, DC-MD-VA	Ozone (2008 8-hour)	Nonattainment (DC) Maintenance (MD, VA), Marginal	50	0	-0.18	-0.37	-0.58
Washington, DC-MD-VA	Ozone (2015 8-hour)	Nonattainment, Marginal	50	0	-0.18	-0.37	-0.58
Washoe County; Reno planning area, NV	PM10 (1987 24-hour)	Maintenance, Serious	100	0	-0.01	-0.01	-0.02

Appendix B Air Quality Nonattainment Area Results

Nonattainment or Maintenance Area	NAAQS Pollutant (Standard)	Status, Severity Classification ^a	General Conformity Threshold ^b	Emission Changes by Alternative (tons per year) ^c			
				Alt. 0 (No Action)	Alt. 1	Alt. 2	Alt. 3
Wayne County; Boston, Center, Franklin, Wayne & Webster Townships, IN	SO ₂ (1971 24-hour/Annual)	Maintenance, --	100	0	0.00	0.00	-0.01
Wayne County; (part), MI	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	-0.06	-0.09	-0.12
West Central Pinal County, AZ	PM2.5 (2006 24-hour)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
West Silver Valley, ID	PM2.5 (2012 Annual)	Nonattainment, Moderate	100	0	0.00	0.00	0.00
Winston-Salem Area, NC	CO (1971 8-hour)	Maintenance, Moderate <= 12.7ppm	100	0	-0.02	-0.05	-0.07
Worcester Area, MA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	-0.01	-0.02
Yakima Area, WA	CO (1971 8-hour)	Maintenance, --	100	0	0.00	0.00	0.00
Yakima County; (part), WA	PM10 (1987 24-hour)	Maintenance, Moderate	100	0	0.00	-0.01	-0.01
Yuba City-Marysville, CA	PM2.5 (2006 24-hour)	Maintenance, Moderate	100	0	-0.01	-0.01	-0.02
Yuma County; Yuma planning area, AZ	PM10 (1987 24-hour)	Nonattainment, Moderate	100	0	0.00	-0.01	-0.02
Yuma, AZ	Ozone (2015 8-hour)	Nonattainment, Marginal	100	0	0.00	0.00	-0.01

^a Nonattainment or maintenance status as of 4/20/2021. Source: EPA. 2021. 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.

NAAQS = National Ambient Air Quality Standard; CO = carbon monoxide; 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; ppm = parts per million.

APPENDIX C

Life-Cycle Assessment Studies

Table C-1. Studies Analyzed in Chapter 6, Life-Cycle Assessment of Vehicle Energy, Material, and Technology Impacts

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Afzal et al. 2020. Life Cycle Assessment (LCA) of Welded of AISI 304 Stainless Steel Using Laser Beam Welding (LBW), Friction Stir Welding (FSW) and Gas Tungsten Arc Welding (GTAW). <i>Lasers in Engineering</i> . 48(1-3): 33-42.	Laser welding	Cradle to grave	Acidification potential, abiotic depletion, eutrophication potential, global warming potential, photochemical ozone creation potential, and ozone depletion potential
Ahmadi, L., A. Yip, M. Fowler, S.B. Young, and R.A. Fraser. 2014. Environmental feasibility of re-use of electric vehicle batteries. <i>Sustain. Energy Technology Assessment</i> 6:64-74. doi:10.1016/j.seta.2014.01.006.	EV Li-ion batteries	Cradle to grave	GHG emissions
Aichberger, C., Jungmeier, G., 2020. Environmental Life Cycle Impacts of Automobile Batteries Based on a Literature review. <i>Energies</i> . 13(23), 6345. December 1. Available at: https://doi.org/10.3390/en13236345	EV Li-ion batteries	Cradle to grave	GHG emissions
Ambrose, H., A. Kendall. 2016. Effects of battery chemistry and performance on the life cycle greenhouse gas intensity of electric mobility. <i>Transportation Research Part D: Transport and Environment</i> 47:182-194, ISSN 1361-9209, Available at: https://doi.org/10.1016/j.trd.2016.05.009 .	EV Li-ion batteries; PEVs	Cradle to grave	GHG emissions; energy requirements
Ambrose, H., A. Kendall, M. Lozano, S. Wachche, L. Fulton. 2020. Trends in life cycle greenhouse gas emissions of future light duty electric vehicles. <i>Transportation Research Part D: Transport and Environment</i> , 81, 202287. Available at: https://doi.org/10.1016/j.trd.2020.102287 .	Light-duty EVs	Cradle to grave	GHG emissions
Arbabzadeh, M., J. X. Johnson, R. De Kleine, and G. A. Keoleian. 2015. Vanadium redox flow batteries to reach greenhouse gas emissions targets in an off-grid configuration. <i>Applied Energy</i> , 146, 397-408.	Vanadium redox flow batteries; energy storage systems	Cradle to grave	GHG emissions
Archsmith, J., A. Kendall, and D. Rapson. 2015. From cradle to junkyard: assessing the life cycle greenhouse gas benefits of electric vehicles. <i>Research in Transportation Economics</i> 52:72–90.	EVs	Cradle to grave plus well to wheels	GHG emissions

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Arulvizhi, V. K., S. Alandur Somasundaram, M. H. Niyaz, P. K. Ranganathan, A. Z. Moolai, M. A. A. Abdulla Burhanudeen, and M. R. Ramu 2019. Advances in Laser Welding of Stainless Steel Alloys. The National Academies of Sciences Engineering and Medicine. SAE Technical Paper. Available at: https://doi.org/10.4271/2019-28-0056	Laser welding	Not applicable	Not applicable
Bandivadekar, A., K. Bodek, L. Cheah, C. Evans, T. Groode, J. Heywood, E. Kasseris, K. Kromer, and M. Weiss. 2008. On the Road in 2035: Reducing Transportation’s Petroleum Consumption and GHG Emissions. MIT Laboratory for Energy and the Environment. Report No. LFEE 2008 - 05 RP. Massachusetts Institute of Technology: Cambridge, MA. Available at: http://web.mit.edu/sloan-auto-lab/research/beforeh2/otr2035/ . (Accessed: February 15, 2018).	Lightweighting; vehicle design; engine downsizing; BEVs; fuel-cell vehicles; HSS; aluminum	Cradle to grave	Energy requirements; GHG emissions
Barillari, F., Chini, F. Biopolymers - Sustainability for the Automotive Value-added Chain. 2020. ATZ Worldw 122, 36–39. Available at: https://doi.org/10.1007/s38311-020-0298-6	Plastics and polymer composites	Not applicable	GHG emissions
Baroth, A., S. Karanam, and R. McKay. 2012. Life Cycle Assessment of Lightweight Noryl* GTX* Resin Fender and Its Comparison with Steel Fender. Society of Automotive Engineers (SAE) Paper 2012-01-0650. doi:10.4271/2012-01-0650.	Plastic, resin, and polymer composites; lightweighting	Cradle to grave	GHG emissions, energy requirements
Bertram, M., K. Buxmann, and P. Furrer. 2009. Analysis of Greenhouse Gas Emissions Related to Aluminum Transport Applications. <i>The International Journal of Life Cycle Assessment</i> 14(1):62–69. doi:10.1007/s11367-008-0058-0.	Aluminum; steel; cast iron	Cradle to grave	GHG emissions
Birat, J.P., L. Rocchia, V. Guérin, and M. Tuchman. 2003. Ecodesign of the Automobile, Based on Steel Sustainability. Society of Automotive Engineers (SAE) International Paper 2003-01-2850. doi:10.4271/2003-01-2850.	Aluminum; steel; recycling	Cradle to grave	CO ₂ emissions
Boland, S., and S. Unnasch. 2014. Carbon Intensity of Marginal Petroleum and Corn Ethanol Fuels. Life Cycle Associates Report. LCA.6075.83.2014, Prepared for Renewable Fuels Association. Available at: http://ethanolrfa.3cdn.net/8f1f5d7e868d849da0_gam6b4eab.pdf . (Accessed: February 15, 2018).	Petroleum fuel from crude oil, corn ethanol	Well to wheels	GHG emissions

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Boland, C., R. DeKleine, A. Moorthy, G. Keoleian, H. C. Kim, E. Lee, and T.J. Wallington. 2014. A Life Cycle Assessment of Natural Fiber Reinforced Composites in Automotive Applications. Society of Automotive Engineers (SAE) Technical Paper 2014-01-1959. doi:10.4271/2014-01-1959.	Glass-fiber-reinforced polymer, cellulose-fiber-reinforced polymer, polymer composites, lightweighting	Cradle to grave	Fuel use, GHG emissions
Boustani, A., S. Sahni, T. Gutowski, and S. Graves. 2010. Tire Remanufacturing and Energy Savings. Environmentally Benign Manufacturing Laboratory, Sloan School of Management, Massachusetts Institute of Technology. Available at: http://web.mit.edu/ebm/www/Publications/MITEI-1-h-2010.pdf . (Accessed: February 15, 2018).	Tires	Not applicable	Fuel use, energy requirements
Bushi, L., T. Skrzek, and D. Wagner. 2015. Comparative LCA Study of Lightweight Auto Parts of MMLV Mach-I Vehicle as per ISO 14040/44 LCA Standards and CSA Group 2014 LCA Guidance Document for Auto Parts. <i>Engineering Solutions for Sustainability</i> . In: Fergus J.W., Mishra B., Anderson D., Sarver E.A., Neelameggham N.R. (eds) <i>Engineering Solutions for Sustainability</i> . Springer, Cham.	Aluminum, steel, iron, lightweighting	Cradle to grave	Acidification potential, eutrophication potential, GHG emissions, ozone depletion, ozone creation, energy requirements
Cáceres, C. H. 2009. Transient Environmental Effects of Light Alloy Substitutions in Transport Vehicles. <i>Materials & Design</i> 30(8):2813–2822. doi:10.1016/j.matdes.2009.01.027.	Magnesium, aluminum	Gate to gate	Recycled materials
Canter, C. E., J. B. Dunn, J. Han, Z. Wang, and M. Wang., 2016. Policy implications of allocation methods in the life cycle analysis of integrated corn and corn stover ethanol production. <i>BioEnergy Research</i> 9(1): 77–87.	Combined ethanol, grain ethanol, stover ethanol	Well to wheels	GHG emissions
CARB (California Air Resources Board). 2015. Staff Report: Calculating Carbon Intensity Values from Indirect Land Use Change and Crop Based Biofuels. Appendix I: Detailed Analysis for Indirect Land Use Change. Available at: http://www.arb.ca.gov/regact/2015/lcfs2015/lcfs15appi.pdf . (Accessed: February 15, 2018).	Biomass based ethanol, biodiesel	Cradle to gate (land use change)	GHG emissions
Cecchel, S., G. Cornacchia, A. Panvini, A. 2016. Cradle-to-Gate Impact Assessment of a High-Pressure Die-Casting Safety-Relevant Automotive Component. <i>JOM</i> 65(9):2443-2448. doi:10.1007/s11837-016-2046-3.	Aluminum, high pressure die casting	Cradle to cradle (excludes use phase)	GHG emissions

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Cheah, L., J. B. Heywood, and R. Kirchain. 2009. Aluminum Stock and Flows in U.S. Passenger Vehicles and Implications for Energy Use. <i>Journal of Industrial Ecology</i> 13(5):718–734. doi:10.1111/j.1530-9290.2009.00176x. Available at: http://onlinelibrary.wiley.com/doi/10.1111/j.1530-9290.2009.00176x/full . (Accessed: February 15, 2018).	Aluminum	Not applicable	Energy requirements
Cheah, L. 2010. Cars on a Diet: The Material and Energy Impacts of Passenger Vehicle Weight Reduction in the U.S. Massachusetts Institute of Technology: Cambridge, MA. Available at: http://web.mit.edu/sloan-auto-lab/research/beforeh2/files/LCheah_PhD_thesis_2010.pdf . (Accessed: February 15, 2018).	Magnesium, aluminum, HSS, polymer composites	Cradle to grave	Energy requirements, GHG emissions
Cheah, L., and J. B. Heywood. 2011. Meeting U.S. Passenger Vehicle Fuel Economy Standards in 2016 and Beyond. <i>Energy Policy</i> 39(1):454–466. Available at: http://web.mit.edu/sloan-auto-lab/research/beforeh2/files/Cheah%20&%20Heywood%202010.pdf . (Accessed: February 15, 2018).	Lightweighting, HEVs, PHEVs, advanced diesel	Not applicable	None
Chen, W.-Q., and T. Graedel. 2012a. Dynamic Analysis of Aluminum Stocks and Flows in the United States: 1900–2009. <i>Ecological Economics</i> 81:92–102. doi:10.1016/j.ecolecon.2012.06.008.	Aluminum	Not applicable	None
Chen, W.-Q., and T. Graedel. 2012b. Anthropogenic Cycles of the Elements: A Critical Review. <i>Environmental Science & Technology</i> 46(16):8574–8586. doi:10.1021/es3010333.	Aluminum, steel	Not applicable	None
CMU GDI (Carnegie Mellon University, Green Design Institute). 2008. Economic Input-Output Life Cycle Assessment (EIO-LCA), US 1997 Industry Benchmark model. Available at: http://www.eiolca.net . (Accessed: February 15, 2018).	Various	Cradle to grave	GHG emissions, energy requirements, water withdrawals, air emissions (CO, VOCs, NO _x , SO ₂ , NH ₃ , and PM), hazardous waste, toxic releases, land use, water pollution, human health impacts

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Colett, J. 2013. Impacts of Geographic Variation on Aluminum Lightweighted Plug-in Hybrid Electric Vehicle Greenhouse Gas Emissions. University of Michigan: Ann Arbor, MI. Available at: http://deepblue.lib.umich.edu/bitstream/handle/2027.42/101902/Joe%20Colett%20Thesis%20December%202013.pdf?sequence=1 . (Accessed: February 15, 2018).	Aluminum	Cradle to gate	GHG emissions
Congressional Research Service. 2020. Environmental Effects of Battery Electric and Internal Combustion Engine Vehicles, R46420. June 16. Available at: https://fas.org/sgp/crs/misc/R46420.pdf	EV batteries	Not applicable	GHG emissions, particulate matter, energy requirements
Continental. 1999. Life Cycle Assessment of a Car Tire. Hannover, Germany. Available at: https://www.continental-corporation.com/resource/blob/47500/b64cfd62d7c37b31e0141cb618756f86/oekobilanz-en-data.pdf . (Accessed: February 15, 2018).	Tires	Cradle to grave	Fuel use, energy requirements, water use, air emissions including CO and VOCs, GHG emissions, water pollution, acidification, eutrophication
Costin, G-A., C. Afteni, I. Iacob, V. Paunoiu, and N. Baroiu. 2018. An overview on sheet metal hydroforming technologies. 2018. The Annals of University of Galati Fascicle V, Technologies in Machine Building, ISSN 2668-4888. Available at: http://www.cmrs.ugal.ro/TMB/2018/L08_Anale2018-Costin.pdf	Hydroforming	Not applicable	Not applicable
Dai, Q., J. C. Kelly, L. Gaines, and M. Wang. 2019. Life Cycle Analysis of Lithium-Ion Batteries for Automotive Applications. <i>Batteries</i> , 5(2):48.	EV Li-ion batteries	Cradle to gate	Energy requirements, GHG emissions
Dai, Q., Kelly, J., and Elgowainy, A. 2017. "Life Cycle Analysis of 1995-2014 U.S. Light-Duty Vehicle Fleet: The Environmental Implications of Vehicle Material Composition Changes," <i>SAE Int. J. Mater. Manf.</i> 10(3):378-384, 2017. Available at: https://doi.org/10.4271/2017-01-1273 .	Plastics and polymer composites	Not applicable	GHG emissions
Das, S. 2011. Life Cycle Assessment of Carbon Fiber-Reinforced Polymer Composites. <i>The International Journal of Life Cycle Assessment</i> 16(3):268–282. doi:10.1007/s11367-011-0264-z.	Steel, carbon-fiber-reinforced polymer	Cradle to grave	Energy requirements, GHG emissions
Das, S. 2014. Life Cycle Energy and Environmental Assessment of Aluminum-Intensive Vehicle Design. Society of Automotive Engineers (SAE) <i>International Journal of Materials and Manufacturing</i> 7(3):588–595. doi:10.4271/2014-01-1004.	Lightweighting, aluminum, HSS, steel	Cradle to grave	Energy requirements, GHG emissions

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Delogu, M., F. Del Pero, F. Romoli, and M. Pierini. 2015. Life Cycle Assessment of a Plastic Air Intake Manifold. <i>International Journal of Life Cycle Assessment</i> , 20(10), 1429-1443. doi:10.1007/s11367-015-0946-z.	Plastics, air intake manifold, lightweighting	Cradle to grave	Energy requirements, acidification, eutrophication, GHG emissions, ozone depletion, ozone creation
Dubreuil, A., L. Bushi, S. Das, A. Tharumarajah, and G. Xianzheng. 2010. A Comparative Life Cycle Assessment of Magnesium Front End Autoparts. Presented at Society of Automotive Engineers (SAE) 2010 World Congress and Exhibition. doi:10.4271/2012-01-2325.	Magnesium, aluminum, steel	Cradle to grave	Energy requirements, GHG emissions, criteria air pollutant emissions
Dunn, J. B., L. Gaines, J. Sullivan, and M. Q. Wang. 2012. Impact of recycling on cradle-to-gate energy consumption and greenhouse gas emissions of automotive Li-ion batteries. <i>Environmental Science & Technology</i> 46(22):12704–12710. doi:10.1021/es302420z.	EV Li-ion batteries	Non-use (cradle to gate and end-of-life)	Energy requirements, GHG emissions
Dunn, J. B., S. Mueller, H. Y. Kwon, and M. Q. Wang. 2013. Land-use change and greenhouse gas emissions from corn and cellulosic ethanol. <i>Biotechnology for Biofuels</i> 6(1):51. doi:doi.org/10.1186/1754-6834-6-51. Available at: https://biotechnologyforbiofuels.biomedcentral.com/articles/10.1186/1754-6834-6-51 . (Accessed: February 15, 2018).	Corn and cellulosic ethanol	Gate to gate (land-use change)	GHG emissions
Dunn, J. B., L. Gaines, J. C. Kelly, C. James, and K. G. Gallagher. 2015a. The significance of Li-ion batteries in electric vehicle life-cycle energy and emissions and recycling's role in its reduction. <i>Energy & Environmental Science</i> 8(1):158–168. doi: 10.1039/C4EE03029J.	EVs, EV Li-ion batteries	Cradle to grave	Energy requirements, GHG emissions
Dunn, J. B., Z. Qin, S. Mueller, H. Kwon, M. Wander, M. Wang. 2015b. Carbon Calculator for Land Use Change from Biofuels Production (CCLUB), Users' Manual and Technical Documentation (No. ANL/ESD/12-5 Rev. 2). Argonne National Laboratory (ANL). Available at: https://greet.es.anl.gov/publications . (Accessed: February 15, 2018).	Biomass based ethanol, soy biodiesel	Cradle to gate (land use change)	GHG emissions
Easton, M., M. Gibson, A. Beer, M. Barnett, C. Davies, Y. Durandet, S. Blacket, X. Chen, N. Birbilis, and T. Abbot. 2012. The Application of Magnesium Alloys to the Lightweighting of Automotive Structures. <i>Sustainable Automotive Technologies</i> 2012:17–23. doi: 10.1007/978-3-642-24145-1_3.	Magnesium alloys	Not applicable	GHG emissions

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Ehrenberger, S., J. B. Dunn, G. Jungmeier, and H. Wang. 2019. An international dialogue about electric vehicle deployment to bring energy and greenhouse gas benefits through 2030 on a well-to-wheels basis. <i>Transportation Research Part D: Transport and Environment</i> . 74: 245-254. September. Available at: https://doi.org/10.1016/j.trd.2019.07.027 .	EVs	Well to wheels	GHG emissions, emission factors
Ehrenberger, S., and H. E. Friedrich. 2013. Life-Cycle Assessment of the Recycling of Magnesium Vehicle Components. <i>JOM</i> 65(10):1303-1309. doi:10.1007/s11837-013-0703-3.	Magnesium	Cradle to grave	GHG emissions
Elgowainy, A., J. Han, L. Poch, M. Wang, A. Vyas, M. Mahalik, and A. Rousseau. 2010. Well-to-Wheels Analysis of Energy Use and Greenhouse Gas Emissions of Plug-in Hybrid Electric Vehicles. ANL/ESD/10-1. Argonne National Laboratory: Argonne, IL. Available at: https://energy.gov/eere/fuelcells/downloads/well-wheels-analysis-energy-use-and-greenhouse-gas-emissions-plug-hybrid . (Accessed: February 15, 2018).	PHEVs using gasoline, diesel, E85 corn ethanol, and a hydrogen fuel cell	Well to wheels	GHG emissions, energy requirements
Elgowainy, A., J. Han, J. Ward, F. Joseck, D. Gohlke, A. Lindauer, T. Ramsden, M. Bidy, M. Alexander, S. Barnhart, and I. Sutherland. 2016. Cradle-to-Grave Lifecycle Analysis of US Light Duty Vehicle-Fuel Pathways: A Greenhouse Gas Emissions and Economic Assessment of Current (2015) and Future (2025-2030) Technologies (ANL/ESD-16/7). Argonne National Laboratory: Argonne, IL. Available at: https://greet.es.anl.gov/publication-c2g-2016-report . (Accessed: February 15, 2018).	Internal combustion engine vehicles using gasoline, diesel, CNG, and LPG, FFVs using E85 corn ethanol, HEVs using gasoline, PHEVs using gasoline, FCEVs using hydrogen, and BEVs with 90- and 210-mile ranges	Cradle to grave and well to wheels	GHG emissions, energy requirements
Ellingsen, L. A. W., G. MajeauBettez, B. Singh, A. K. Srivastava, L. O. Valøen, and A. H. Strømman. 2014. Life cycle assessment of a lithium-ion battery vehicle pack. <i>Journal of Industrial Ecology</i> 18(1):113–124. doi:10.1111/jiec.12072.	EV Li-ion batteries	Cradle to gate	GHG emissions
Elliott, J., B. Sharma, N. Best, M. Glotter, J. B. Dunn, I. Foster, F. Miguez, S. Mueller, and M. Wang. 2014. A spatial modeling framework to evaluate domestic biofuel-induced potential land use changes and emissions. <i>Environmental Science & Technology</i> 48(4):2488 –2496. doi:10.1021/es404546r.	Biofuel	Gate to gate (land-use change)	GHG emissions

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Emilsson, E. and L. Dahllöf. 2019. Lithium-Ion Vehicle Battery Production: Status 2019 on Energy Use, CO ₂ Emissions, Use of Metals, Products Environmental Footprint, and Recycling. No. C 444. November, IVL Swedish Environmental Research Institute.	EV Li-ion batteries	Cradle to gate	GHG emissions, energy use
Englander, J. G., and A. R. Brandt. 2014. Oil Sands Energy Intensity Analysis for GREET Model Update. Department of Energy Resources Engineering, Stanford University. Palo Alto, CA. Available at: https://greet.es.anl.gov/publication-lca-update-oil-sands . (Accessed: February 15, 2018).	Oil sands	Gate to gate	GHG emissions
EPA (U.S. Environmental Protection Agency). 2013. Application of LifeCycle Assessment to Nanoscale Technology: Li-ion Batteries for Electric Vehicles. Design for the Environment Program. Office of Pollution Prevention and Toxics. Available at: https://www.epa.gov/sites/production/files/2014-01/documents/lithium_batteries_lca.pdf . (Accessed: February 15, 2018).	EVs, EV Li-ion batteries	Cradle to grave	Energy requirements, GHG emissions, abiotic depletion potential, water pollution, human health impacts, ozone depletion potential
EPA. 2014. Peer Review of Light-Duty Vehicle Mass-Reduction and Cost Analysis —Midsize Crossover Utility Vehicle (FEV Report). EPA-420-R-12-019. Washington DC. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi/P100EW1M.PDF?Dockey=P100EW1M.PDF . (Accessed: February 15, 2018).	Plastics, HSS, magnesium, lightweighting	Not applicable	Not applicable
Faria, R., P. Marques, R. Garcia, P. Moura, F. Freire, J. Delgado, and A.T. de Almeida. 2014. Primary and secondary use of electric mobility batteries from a life cycle perspective. <i>Journal of Power Sources</i> 262:169–177. doi: 10.1016/j.jpowsour.2014.03.092.	EV Li-ion batteries	Cradle to grave	GHG emissions
Farquharson, D., P. Jaramillo, G. Schivley, K. Klima, and D. R. Carlson. 2016. Beyond Global Warming Potential: A Comparative Application of Climate Impact Metrics for the Life Cycle Assessment of Coal and Natural Gas Based Electricity. <i>Journal of Industrial Ecology</i> . doi:10.1111/jiec.12475. Available at: http://repository.cmu.edu/cgi/viewcontent.cgi?article=1166&context=epp . (Accessed: February 28, 2018).	Coal, natural gas, electricity generation	Cradle to gate	GHG emissions, global temperature change, technology warming, radiative forcing
Ferreira, V., M. Merchánb, P. Egizabal, M. García de Cortázar, A. Irazustabarrenab, A. M. López-Sabiróna, and G. Ferreira. 2019. Technical and environmental evaluation of a new high performance material based on magnesium alloy reinforced with submicrometre-sized TiC particles to develop automotive lightweight components and make transportation sector more sustainable. <i>Journal of Materials Research and Technology</i> . 8(3):2549-2564	Magnesium	Cradle to grave	Multiple life-cycle environmental impacts

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Gaines, L., J. Sullivan, A. Burnham, and I. Belharouak. 2011. Life-Cycle Analysis for Lithium-Ion Battery Production and Recycling. Paper No. 11-3891. Argonne National Laboratory. 90th Annual Meeting of the Transportation Research Board. Washington, DC. Available at: https://www.researchgate.net/publication/265158823_Paper_No_11-3891_Life-Cycle_Analysis_for_Li-ion_Battery_Production_and_Recycling . (Accessed: February 28, 2018).	EV Li-ion batteries	Cradle to grave	Energy requirements
Galitsky, C., and E. Worrell. 2008. Energy Efficiency Improvement and Cost Saving Opportunities for the Vehicle Assembly Industry: An ENERGY STAR Guide for Energy and Plant Managers. Lawrence Berkeley National Laboratory. Berkeley, CA. Available at: http://escholarship.org/uc/item/33x4p6p9 . (Accessed: February 28, 2018).	Energy efficiency during vehicle assembly, hydroforming	Gate to gate	Energy requirements
Gao, Z., T. LaClair, S. Ou, S. Huff, G. Wu, P. Hao, K. Boriboonsomsin, M. Barth. 2019. Evaluation of electric vehicle component performance over eco-driving cycles. <i>Energy</i> , 172:823-839, ISSN 0360-5442, Available at: https://doi.org/10.1016/j.energy.2019.02.017 .	BEVs (compact vehicles, transit city bus, class 7 delivery truck), powertrains	Use phase	Energy requirements
Gaustad, G., E. Olivetti, and R. Kirchain. 2012. Improving aluminum recycling: A survey of sorting and impurity removal technologies. <i>Resources, Conservation and Recycling</i> 58(2012):79 – 87. doi: http://dx.doi.org/10.1016/j.resconrec.2011.10.010 .	Lightweighting	Not applicable	None
Geyer, R. 2008. Parametric Assessment of Climate Change Impacts of Automotive Material Substitution. <i>Environmental Science & Technology</i> 42(18):6973–6979.	Lightweighting, aluminum, HSS, steel	Material production and vehicle use stages only	GHG emissions
Ghandi, A., S. Yeh, A. R. Brandt, K. Vafi, H. Cai, M. Q. Wang, B. R. Scanlon, and R. C. Reedy. 2015. Energy intensity and greenhouse gas emissions from crude oil production in the Eagle Ford Region: Input data and analysis methods. UC Davis Institute of Transportation Studies. Prepared for Argonne National Laboratory: Argonne, IL. Available at: https://greet.es.anl.gov/publication-eagle-ford-oil . (Accessed: February 28, 2018).	Gasoline, diesel, jet fuel	Well to wheels	GHG emissions, energy requirements

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Gibson, T. 2000. Life Cycle Assessment of Advanced Materials for Automotive Applications. <i>Society of Automotive Engineers, Inc.</i> 109(6):1932–1941. doi: https://doi.org/10.4271/2000-01-1486 .	Nine advanced and conventional materials including graphite, titanium, steel, aluminum, and carbon composites	Cradle to grave	Energy use, GHG emissions, air emissions including SO _x and NO _x , water emissions, solid waste, HF
Gradin, K. T., S. Poulidikidou, A. Bjorklund, and C. Luttrupp. 2017. Scrutinising the electric vehicle material backpack. <i>Journal of Cleaner Production</i> . doi:10.1016/j.jclepro.2017.12.035.	EV Li-ion batteries	Cradle to gate	GHG emissions, energy requirements
Hakamada, M., T. Furuta, Y. Chino, Y. Chen, H. Kusuda, and M. Mabuchi. 2007. Life Cycle Inventory Study on Magnesium Alloy Substitution in Vehicles. <i>Energy</i> 32(8):1352–1360. doi:10.1016/j.energy.2006.10.020.	Magnesium, steel, aluminum	Cradle to grave	Energy requirements, CO ₂ emissions
Halvorson, A. D. 2014. Nitrogen Fertilizer Source and Management Effects on Nitrous Oxide Emissions. 16th World Fertilizer Congress of CIEC, Rio de Janeiro, Brazil, 20-24 October, 68–71.	EVs	Cradle to grave	Aggregated environmental impact score
Hardwick, A. P. and T. Outteridge. 2016. Vehicle lightweighting through the use of molybdenum-bearing advanced high-strength steels. <i>International Journal Life Cycle Assessment</i> .21:1616-1623. Available at: https://link.springer.com/article/10.1007/s11367-015-0967-7	High-strength steel	Well to wheel	Material sourcing
Harper G., R. Sommerville, E. Kendrick, L. Driscoll, P. Slater, R. Stolkin, A. Walton, P. Christensen, O. Heidrich, S. Lambert, A. Abbott, K. Ryder, L. Gaines, P. Anderson. 2019. Recycling lithium-ion batteries from electric vehicles. <i>Nature</i> . 575, 75–86	Li-ion batteries	Not applicable	Not applicable
Hawkins, T., O. Gausen, and A. Stromman. Environmental impacts of hybrid and electric vehicles—a review. 2012. <i>International Journal of Life Cycle Assessment</i> . 17:997–1014. doi:10.1007/s11367-012-0440-9.	EVs	Cradle to grave	GHG emissions, abiotic depletion potential, water pollution, human health impacts
Hawkins, T. R., B. Singh, G. Majeau-Bettez, and A. H. Strømman. 2013. Comparative environmental life cycle assessment of conventional and electric vehicles. <i>Journal of Industrial Ecology</i> 17(1):53–64. doi:10.1111/j.1530-9290.2012.00532x. Available at: http://onlinelibrary.wiley.com/doi/10.1111/j.1530-9290.2012.00532.x/full . (Accessed: February 28, 2018).	EVs	Cradle to grave	GHG emissions, energy requirements, water pollution, air emissions including PM, human health impacts

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Heath, G.A., P. O'Donoghue, D. J. Arent, and M. Bazilian. 2014. Harmonization of initial estimates of shale gas life cycle greenhouse gas emissions for electric power generation. <i>Proceedings of the National Academy of Sciences</i> 111(31):E3167 –E3176. doi:10.1073/pnas.1309334111. Available at: http://www.pnas.org/content/111/31/E3167 . (Accessed: February 28, 2018).	Shale gas	Well to wire	GHG emissions
Held, M. and M. Schücking. 2019. Utilization effects on battery electric vehicle life-cycle assessment: A case-driven analysis of two commercial mobility applications. <i>Transportation Research Part D: Transport and Environment</i> 75:87–105.	EVs	Cradle to grave	GHG emissions
Hendrickson, T.P., O. Kavvada, N. Shah, R. Sathre, and C. D. Scown. 2015. Life-cycle implications and supply chain logistics of electric vehicle battery recycling in California. <i>Environmental Research Letters</i> 10(1):014011. doi:10.1088/1748-9326/10/1/014011.	EV Li-ion batteries	Cradle to gate and end-of-life	Energy requirements, GHG emissions, air emissions (PM, NO _x , SO ₂ , and VOCs), water consumption, water withdrawals
Heuss, R., N. Muller, W. V. Sintern, A. Starke, A. Tschiesner, A. 2012. Lightweight, heavy impact. McKinsey and Company. Available at: https://www.mckinsey.com/~media/mckinsey/dotcom/client_service/automotive%20and%20assembly/pdfs/lightweight_heavy_impact.ashx . (Accessed: February 28, 2018).	Carbon fiber reinforced polymers, plastics, aluminum, magnesium	Not applicable	Not applicable
Holland, S., E. Mansur, N. Muller, and A. Yates. 2015. Measuring the Spatial Heterogeneity in Environmental Externalities from Driving: A Comparison of Gasoline and Electric Vehicles. NBER Working Paper, (21291). Available at: https://pdfs.semanticscholar.org/38fe/39ccbbc15deddc571b9f991426a32dd992ed.pdf . (Accessed: February 28, 2018).	Electric and internal combustion vehicles	Not applicable	PM emissions
Hottle, T., C. Caffrey, J. McDonald, and R. Dodder. 2017. Critical Factors Affecting Life Cycle Assessments of Material Choice for Vehicle Mass Reduction. <i>Transportation Research Part D</i> . 56. 241-257.	Steel, iron, plastics, aluminum, magnesium, lightweighting	Cradle to grave	Energy requirements, GHG emissions
Johnson, M.C. and J. L. Sullivan. 2014. Lightweight Materials for Automotive Application: An Assessment of Material Production Data for Magnesium and Carbon Fiber. September 2014. Argonne National Laboratory: Argonne, IL. Available at: http://www.ipd.anl.gov/anlpubs/2014/09/107574.pdf . (Accessed: February 28, 2018).	Magnesium, carbon fiber reinforced polymers	Not applicable	GHG emissions

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Kaierle, S., M. Dahmen, and O. Gudukkurt. 2011. Eco-Efficiency of Laser Welding Applications. Proc. SPIE 8065. SPIE Eco-Photonics 2011: Sustainable Design, Manufacturing, and Engineering Workforce Education for a Green Future. 8065T. doi:10.1117/12.888794.	Laser welding	Cradle to grave	Energy requirements, material use
Kamiya, G., J. Axsen, C. Crawford. Modeling the GHG emissions in tensivity of plug-in electric vehicles using short-term and long-term perspectives. <i>Transportation Research Part D: Transport and Environment</i> , 69:209-223. ISSN 1361-9209, Available at: https://doi.org/10.1016/j.trd.2019.01.027	PEVs	Well to wheel	GHG emissions
Kawamoto, R., H. Mochizuki, Y. Moriguchi, T. Nakano, M. Motohashi, Y. Sakai, and A. Inaba. 2019. Estimation of CO2 emissions of internal combustion engine vehicle and battery electric vehicle using LCA. <i>Sustainability</i> 11(9):2690.	EVs, EV Li-ion batteries	Cradle to grave	Energy requirements, GHG emissions
Kelly, J.C., Q. Dai, Q. and M. Wang. 2020. Globally regional life cycle analysis of automotive lithium-ion nickel manganese cobalt batteries. <i>Mitigation and Adaptation Strategies for Global Change</i> . 25:371–396. Available at: https://doi.org/10.1007/s11027-019-09869-2	EV Li-ion batteries	Various	Energy requirements, GHG emissions, SO _x emissions
Kelly, J. C., J. L. Sullivan, A. Burnham, and A. Elgowainy. 2015. Impacts of Vehicle Weight Reduction via Material Substitution on Life-Cycle Greenhouse Gas Emissions. <i>Environmental Science & Technology</i> 49(20):12535–12542. doi:10.1021/acs.est.5b03192.	AHSS, wrought aluminum, cast aluminum, magnesium, carbon fiber reinforced polymers, lightweighting	Cradle to grave	GHG emissions
Keoleian, G. A., and K. Kar. 1999. Life Cycle Design of Air Intake Manifolds. In: Phase I: 2.0 L Ford Contour Air Intake Manifold. EPA/600/R-99/023. US Environmental Protection Agency. National Risk Management Research Laboratory: Cincinnati, Ohio. Available at: < http://nepis.epa.gov/EPA/html/DLwait.htm?url=/Exe/ZyPDF.cgi?Dockey=P1006GAR.PDF >. (Accessed: February 28, 2018).	Aluminum, nylon composite	Cradle to grave	Energy requirements, GHG emissions, solid waste, air emissions, water effluents

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Khanna, V., and B. R. Bakshi. 2009. Carbon Nanofiber Polymer Composites: Evaluation of Life Cycle Energy Use. <i>Environmental Science & Technology</i> 43(6):2078–2084. doi:10.1021/es802101x.	Polymer nanocomposite, CNF and CNF-GF hybrid polymer, carbon nanofiber-reinforced polymer nanocomposite, carbon nanofiber glass-fiber hybrid PNCs, steel	Cradle to gate and use stage	Energy requirements
Kim, H. J., C. McMillian, G. A. Keoleian, and S. J. Skerlos. 2010a. Greenhouse Gas Emissions Payback for Lightweighted Vehicles Using Aluminum and High - Strength Steel. <i>Journal of Industrial Ecology</i> 14(6):929–946. doi:10.1111/j.1530-9290.2010.00283x.	Lightweighting, aluminum, HSS	Cradle to grave	GHG emissions
Kim, H. J., G. A. Keoleian, and S. J. Skerlos. 2010b. Economic Assessment of Greenhouse Gas Emissions Reduction by Vehicle Lightweighting Using Aluminum and High Strength Steel. <i>Journal of Industrial Ecology</i> 15(1):64–80. doi:10.1111/j.1530-9290.2010.00288x.	Lightweighting, aluminum, HSS, steel, glass-fiber reinforced plastic	Cradle to grave	Energy requirements, GHG emissions
Kim, H. C., T. J. Wallington, J. L. Sullivan, and G. Keoleian. 2015. Life Cycle Assessment of Vehicle Lightweighting: Novel Mathematical Methods to Estimate Use-Phase Fuel Consumption. <i>Environmental Science & Technology</i> 49(16):10209–10216. doi:10.1021/acs.est.5b01655.	Lightweighting, fuel reduction value estimation, magnesium, carbon fiber composites	Cradle to gate	GHG emissions
Kocańda, A., and H. Sadłowska. 2008. Automotive Component Development by Means of Hydroforming. <i>Archives of Civil and Mechanical Engineering</i> 8(3):55–72. doi:10.1016/S1644-9665(12)60163-0.	Hydroforming	Not an LCA, but focuses on manufacturing and design, with some attention to use	Some discussion of fuel efficiency savings, but not quantified

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
<p>Koffler, C., and J. Provo. 2012. Comparative Life Cycle Assessment of Aluminum and Steel Truck Wheels. Prepared by PE International, Inc. and Five Winds Strategic Consulting for Alcoa, Inc. Available at: http://www.alcoawheels.com/alcoawheels/north_america/en/pdf/Alcoa_Comparative_LCA_of_Truck_Wheels_with_CR_statement.pdf. (Accessed: February 28, 2018).</p>	<p>Truck wheels, aluminum, steel</p>	<p>Cradle to grave</p>	<p>Primary energy demand, acidification potential, eutrophication potential, GHG emissions, ozone depletion potential, smog formation potential, human toxicity, eco-toxicity</p>
<p>Kulkarni, S., D. Edwards, E. A. Parn, and C. Chapman 2018. Evaluation of vehicle lightweighting to reduce greenhouse gas emissions with focus on magnesium substitution. <i>Journal of Engineering Design and Technology</i>, ISSN: 1726-0531. October.</p>	<p>Lightweighting, magnesium, HSSI, aluminum</p>	<p>Use phase</p>	<p>Fuel use, GHG emissions</p>
<p>Kumar, D., R. K. Phanden, and L. Thakur. 2020. A review on environment friendly and lightweight magnesium-based metal matrix composites and alloys. <i>Materials Today: Proceedings</i>. August. Available at: https://www.researchgate.net/publication/343653393</p>	<p>Magnesium</p>	<p>Well to wheel</p>	<p>Material sourcing</p>
<p>Lamb, B.K., S. L. Edburg, T. W. Ferrara, T. Howard, M. R. Harrison, C. E. Kolb, A. Townsend-Small, W. Dyck, A. Possolo and J. R. Whetstone., 2015. Direct measurements show decreasing methane emissions from natural gas local distribution systems in the United States. <i>Environmental Science & Technology</i> 49(8):5161-5169. doi: 10.1021/es505116p. Available at: https://pubs.acs.org/doi/pdf/10.1021/es505116p. (Accessed: February 28, 2018).</p>	<p>Natural gas distribution</p>	<p>Cradle to gate (distribution infrastructure)</p>	<p>Methane emissions</p>
<p>Lattanzio, R. K. 2014. Canadian Oil Sands: Life-Cycle Assessments of Greenhouse Gas Emissions. Congressional Research Service. Available at: https://www.fas.org/sgp/crs/misc/R42537.pdf. (Accessed: February 28, 2018).</p>	<p>Oil sands</p>	<p>Well to wheels</p>	<p>GHG emissions</p>
<p>Laurenzi, I. J. 2015. Life Cycle Assessment of North American Shale Gases. In: <i>Proceedings of the 4th International Gas Processing Symposium</i>. Qatar, October 2014. <i>Advances in Gas Processing</i> 4(317–325). doi:10.1016/B978-0-444-63461-0.50033-X.</p>	<p>Shale oil, electricity generation</p>	<p>Cradle to gate</p>	<p>GHG emissions, water consumption</p>

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Laurenzi, I. J., J. A. Bergerson, and K. Motazed. 2016. Life cycle greenhouse gas emissions and freshwater consumption associated with Bakken tight oil. <i>Proceedings of the National Academy of Sciences</i> 113(48), E7672–E7680. doi:10.1073/pnas.1607475113. Available at: http://www.pnas.org/content/113/48/E7672 . (Accessed: February 28, 2018).	Shale oil	Well to wheels	GHG emissions, water consumption
Li, B., X. Gao, J. Li, and C. Yuan. 2014. Life cycle environmental impact of high-capacity lithium ion battery with silicon nanowires anode for electric vehicles. <i>Environmental Science & Technology</i> 48(5):3047–3055. doi:10.1021/es4037786.	EV Li-ion batteries	Nonuse (cradle to gate and end-of-life)	Abiotic depletion potential, GHG emissions, water pollution, ozone depletion potential, human health impacts, toxic releases
Li, H., W. Zhang, Q. Li, and B. Chen. 2015. Updated CO ₂ emission from Mg production by Pidgeon process: Implications for automotive application life cycle. <i>Resources, Conservation and Recycling</i> 100:41–48. doi:doi.org/10.1016/j.resconrec.2015.04.008.	Magnesium	Not applicable	GHG emissions
Litovitz, A., A. Curtright, S. Abramzon, N. Burger, and C. Samaras. 2013. Estimation of regional air-quality damages from Marcellus Shale natural gas extraction in Pennsylvania. <i>Environmental Research Letters</i> , 8(1):014017. doi:10.1088/1748-9326/8/1/014017. Available at: http://iopscience.iop.org/article/10.1088/1748-9326/8/1/014017/meta . (Accessed: February 28, 2018).	Natural gas production	Cradle to gate	Criteria air pollutants, human health impacts
Liu, G., F. Zhao, Z. Liu, and H. Hao. 2018. The impact of fuel cell vehicle deployment on road transport greenhouse gas emissions: The China case. <i>International Journal of Hydrogen Energy</i> , 43(50)22604-22621, ISSN 0360-3199, Available at: https://doi.org/10.1016/j.ijhydene.2018.10.088 .	Hydrogen fuel cells	Use phase	GHG emissions
Liu, G., and D. Muller. 2012. Addressing sustainability in the aluminum industry: a critical review of life cycle assessments. <i>Journal of Cleaner Production</i> 35:108–117. doi:10.1016/j.jclepro.2012.05.030.	Aluminum manufacturing, recycling	Not applicable	GHG emissions
Lloyd, S. M., and L. B. Lave. 2003. Life Cycle Economic and Environmental Implications of Using Nanocomposites in Automobiles. <i>Environmental Science & Technology</i> 37(15):3458–3466. doi:10.1021/es026023q.	Steel, aluminum, clay-polypropylene nanocomposite	Cradle to gate	Energy requirements, GHG emissions, criteria air pollutants, fuel/ electricity use, resource depletion, water use, hazardous waste generation, toxic releases

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Luk, J. M., H. C. Kim, R. De Kleine, T. J. Wallington, and H. L. MacLean. Review of the Fuel Saving, Life Cycle GHG Emission, and Ownership Cost Impacts of Lightweighting Vehicles with Different Powertrains. <i>Environmental Science & Technology</i> 51 (15):8215-8228. doi: 10.1021/acs.est.7b00909.	Lightweighting, EVs, internal combustion vehicles, HEVs, powertrain sizing	Cradle to grave	Energy requirements, GHG emissions
Lutsey, N., J. Regnier, A. Burke, M. Melaina, J. Bremson, and M. Keteltas. 2006. Institute of Transportation Studies. University of California, Davis. UCD—ITS—RR—06-11. Available at: https://itspubs.ucdavis.edu/wp-content/themes/ucdavis/pubs/download_pdf.php?id=1044 . (Accessed: February 28, 2018).	Tires, TPMS	Not applicable	Fuel use, energy requirements, waste generation
Lyon, D. R., D. Zavala-Araiza, R. A. Alvarez, R. Harriss, V. Palacios, X. Lan, R. Talbot, T. Lavoie, P. Shepson, T. I. Yacovitch, and S. C. Herndon. 2015. Constructing a spatially resolved methane emission inventory for the Barnett Shale region. <i>Environmental Science & Technology</i> , 49(13):8147-8157. doi:10.1021/es506359c. Available at: https://pubs.acs.org/doi/abs/10.1021/es506359c . (Accessed: February 28, 2018).	Natural gas production	Cradle to gate	Methane emissions
McLaren, J., J. Miller, E. O’Shaughnessy, E. Wood, and E. Shapiro. 2016. Emissions Associated with Electric Vehicle Charging: Impact of Electricity Generation Mix, Charging Infrastructure Availability, and Vehicle Type. NREL/TP-6A20-64852. April 2016. National Renewable Energy Laboratory. Available at: https://www.afdc.energy.gov/uploads/publication/ev_emissions_impact.pdf . (Accessed: February 28, 2018).	EVs, electricity generation	Cradle to gate	GHG emissions
Marchese, A. J., T. L. Vaughn, D. J. Zimmerle, D. M. Martinez, L. L. Williams, A. L. Robinson, A. L. Mitchell, R. Subramanian, D. S. Tkacik, J. R. Roscioli, and S. C. Herndon. 2015. Methane emissions from United States natural gas gathering and processing. <i>Environmental Science & Technology</i> . 49(17):10718–10727. doi: 10.1021/acs.est.5b02275. Available at: https://pubs.acs.org/doi/abs/10.1021/acs.est.5b02275 . (Accessed: February 28, 2018).	Natural gas production	Cradle to gate	Methane emissions

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Mayyas, A. T., A. Qattawi, A. R. Mayyas, and M. A. Omar. 2012a. Life cycle assessment-based selection for a sustainable lightweight body-in-white design. <i>Energy</i> 39(1):412–425. doi:doi.org/10.1016/j.energy.2011.12.033.	Lightweighting, HSS, aluminum, magnesium, carbon fiber/epoxy composite, glass fiber composite	Cradle to grave	Energy requirements, GHG emissions
Meng, F., J. McKechnie, T. Turner, K. H. Wong, and S. J. Pickering. 2017. Environmental Aspects of Use of Recycled Carbon Fiber Composites in Automotive Applications. <i>Environmental Science & Technology</i> 51 (21), 12727–12736. https://pubs.acs.org/doi/10.1021/acs.est.7b04069	Recycled carbon fiber composites	Not applicable	Energy demand, GHG intensity
Miao, Y., P. Hynan, A. von Jouanna, and A. Yokochi. 2019. Current Li-ion Battery Technologies in Electric Vehicles and Opportunities for Advancements. <i>Energies</i> . 12(6):1074.	Li-ion batteries	Not applicable	Technology assessment
Milovanoff, A., H. C. Kim, R. De Kleine, T. J. Wallington, I. D. Posen, and H. L. MacLean. 2019. A Dynamic Fleet Model of U.S. Light-Duty Vehicle Lightweighting and Associated Greenhouse Gas Emissions from 2016 to 2050. <i>Environmental Science & Technology</i> 53: 2199–2208. doi.org/10.1021/acs.est.8b04249.	Lightweighting, HSS, aluminum	Cradle to grave	GHG emissions
Modaresi, R., S. Pauliuk, A. N. Løvik, and D. B. Müller. 2014. Global Carbon Benefits of Material Substitution in Passenger Cars until 2050 and the Impact on the Steel and Aluminum Industries. <i>Environmental Science & Technology</i> 48(18):10776–10784. doi: 10.1021/es502930w. Available at: http://pubs.acs.org/doi/pdf/10.1021/es502930w . (Accessed: February 28, 2018).	HSS, aluminum	Cradle to gate (fleet-wide impacts)	GHG emissions
Mohapatra, S., and S. Das. 2014. Introduction of High Strength Steel for Commercial Vehicles—Light Weighting of Vehicles. Society of Automotive Engineers (SAE) Technical Paper 2014-28-0002. doi:10.4271/2014-28-0002.	Lightweighting, HSS	Not applicable	Energy requirements, GHG emissions
Morales, M., J. Quintero, R. Conejeros, and G. Aroca. 2015. Life cycle assessment of lignocellulosic bioethanol: environmental impacts and energy balance. <i>Renewable and Sustainable Energy Reviews</i> 42:1349–1361. doi:10.1016/j.rser.2014.10.097.	Lignocellulosic bioethanol	Well to wheels	GHG emissions, energy requirements

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Munjurulimana, D., A. Kulkarni, D. Nagwanshi, J. Thambi, et al. 2016. Society of Automotive Engineers (SAE) Paper 2016-01-0399. Body-in-White Reinforcements for Light-Weight Automobiles. doi:10.4271/2016-01-0399.	Thermoplastics, polymer composites	Not applicable	Not applicable
Murphy, C. W. and A. Kendall. 2015. Life cycle analysis of biochemical cellulosic ethanol under multiple scenarios. <i>Gcb Bioenergy</i> 7(5):1019–1033. doi:10.1111/gcbb.12204.	Corn stover and switchgrass biochemical cellulosic ethanol, petroleum-based liquid fuels	Field to blending terminal	GHG emissions, air pollutants (CO, NO _x , SO _x , PM, Pb, ozone, and NMVOCs), environmental indicators including global warming potential, acidification potential, eutrophication potential, and fossil energy
Nealer, R., and T. P. Hendrickson. 2015. Review of recent lifecycle assessments of energy and greenhouse gas emissions for electric vehicles. <i>Current Sustainable/Renewable Energy Reports</i> 2(3):66–73. doi:10.1007/s40518-015-0033x. Available at: https://link.springer.com/article/10.1007/s40518-015-0033-x . (Accessed: February 28, 2018).	EVs	Various	GHG emissions
NETL (National Energy Technology Laboratory). 2015. Approaches to Developing a Cradle-to-Grave Life Cycle Analysis of Conventional Petroleum Fuels Produced in the U.S. with an Outlook to 2040. DOE/NETL-2016/1749. October 2015. Available at: https://www.netl.doe.gov/energy-analyses/temp/ApproachestoDevelopingaCradle-to-GraveLCAofConvPetroleumFuelsProducedinUSOutlookto2040_100715.pdf . (Accessed: February 28, 2018).	Conventional oil production	Well to wheel	GHG emissions
Nitta, S. and Y. Moriguchi. 2011. New Methodology of Life Cycle Assessment for Clean Energy Vehicle and New Car Model. Society of Automotive Engineers (SAE) Technical Paper 2011-01-0851. doi:10.4271/2011-01-0851.	Hydrogen fuel cells	Cradle to grave	GHG emissions, waste generation, energy requirements
Notter, D. A., M. Gauch, R. Widmer, P. Wäger, A. Stamp, R. Zah, and H-J. Althaus. 2010. Contribution of Li-ion Batteries to the Environmental Impact of Electric Vehicles. <i>Environmental Science & Technology</i> 44(17):6550–6556. doi:10.1021/es903729a. Available at: http://pubs.acs.org/doi/ipdf/10.1021/es903729a . (Accessed: February 28, 2018).	EV Li-ion batteries	Cradle to grave	Energy requirements, GHG emissions/global warming potential, criteria air pollutants, resource depletion, Ecoindicator 99

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
OECD. 2020. Non-exhaust Particulate Emissions from Road Transport: An Ignored Environmental Policy Challenge, <i>OECD Publishing</i> . https://doi.org/10.1787/4a4dc6ca-en . https://www.oecd-ilibrary.org/sites/4a4dc6ca-en/index.html?itemId=/content/publication/4a4dc6ca-en . Accessed April 23, 2021.	Tires, EVs, roads	Use phase	PM and GHG emissions
Onat, N. C., M. Kucukvar, and O. Tatari. 2015. Conventional, hybrid, plug-in hybrid or electric vehicles? State-based comparative carbon and energy footprint analysis in the United States. <i>Applied Energy</i> 150:36–49. doi:10.1016/j.apenergy.2015.04.001.	HEVs, PHEVs, EVs	Cradle to grave and well to wheels	GHG emissions, energy requirements
Ou, X., Zhang, X., Zhang, X., Zhang, Q. 2013. Life Cycle GHG of NG-Based Fuel and Electric Vehicle in China. <i>Energies</i> , 6: 2644–2662.	Natural gas-fueled EVs	Well to wheels	GHG emissions, energy use
Overly, J. G., R. Dhingra, G. A. Davis, and S. Das. 2002. Environmental Evaluation of Lightweight Exterior Body Panels in New Generation Vehicles. Paper 2002-01-1965. Society of Automotive Engineers (SAE) International. doi:10.4271/2002-01-1965.	Aluminum, carbon-fiber-reinforced polymer, glass-fiber-reinforced polymer	Cradle to grave	CO ₂ emissions, particulate matter emissions, eutrophication, photochemical smog, solid and hazardous waste generation, water quality
Palazzo, J., and R. Geyer. 2019. Consequential life cycle assessment of automotive material substitution: Replacing steel with aluminum in production in north American vehicles. <i>Environmental Impact Assessment Review</i> 75:47–58. doi.org/10.1016/j.eiar.2018.12.001.	Lightweighting, HSS, aluminum	Cradle to grave	GHG emissions, energy requirements
Park, D.-H. and Kwon, H.-H. 2015. Development of Warm Forming Parts for Automotive Body Dash Panel Using AZ31b Magnesium Alloy Sheets. <i>International Journal of Precision Engineering Manufacturing</i> . 16(10):2159–2165. Available at: https://doi.org/10.1007/S12541-015-0278-8	Magnesium	Well to wheel	Manufacturing impacts
Patterson, J., M. Alexander, and A. Gurr. 2011. Preparing for a Life Cycle CO ₂ Measure. Ricardo plc and Low Carbon Vehicle Partnership. RD.11/124801.4. Available at: http://www.lowcvc.org.uk/assets/presentations/1405%20Patterson,%20Ricardo%20-%20life-cycle%20assessment%20(LC%20seminar).pdf . (Accessed: February 28, 2018).	Gasoline vehicles, diesel vehicles, PHEVs, EREVs, EVs, FCEVs	Not applicable	GHG emissions

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
PE International. 2012. Life Cycle Assessment of Polymers in an Automotive Assist Step. Prepared for the American Chemistry Council. Boston, MA. Available at: https://plastics.americanchemistry.com/Education-Resources/Publications/Life-Cycle-Assessment-of-Polymers-in-an-Automotive-Assist-Step.pdf . (Accessed February 28, 2018).	Carbon fiber reinforced polymers	Cradle to grave	GHG emissions, energy requirements
Peters, D.R., J. L. Schnell, P. L. Kinney, V. Naik, and D. E. Horton. 2020. Public Health and Climate Benefits and Trade - Offs of U.S. Vehicle Electrification. <i>Geohealth</i> , 4(10), https://doi.org/10.1029/2020GH000275	EVs	Cradle to grave	Public health, PM, ozone, financial risk
Pike, E., and S. Schneider. 2013. Passenger Vehicle Replacement Tire Efficiency Study. Energy Solutions. Prepared for South Coast Air Quality Management District. Available at: https://energy-solution.com/library-item/passenger-vehicle-replacement-tire-efficiency-study/ . (Accessed: February 28, 2018).	Aerodynamics and drag reduction	Not applicable	Fuel use
Raugei, M., D. Morrey, A. Hutchinson, and P. Winfield. 2015. A coherent life cycle assessment of a range of lightweighting strategies for compact vehicles. <i>Journal of Cleaner Production</i> 108:1168–1176. doi: doi.org/10.1016/j.jclepro.2015.05.100 .	Aluminum, magnesium, carbon fiber reinforced polymers	Cradle to grave	GHG emissions criteria pollutants, energy requirements
Rooks, B. 2001. Tailor-Welded Blanks Bring Multiple Benefits to Car Design. <i>Assembly Automation</i> 21(4):323–329. doi:10.1108/EUM0000000006014.	Tailor-welded blanks	Not applicable	Not applicable
Rosenfeld, J., J. Lewandrowski, T. Hendrickson, K. Jaglo, K. Moffroid, and D. Pape. 2018. A Life-Cycle Analysis of the Greenhouse Gas Emissions from Corn-Based Ethanol. Report prepared by ICF under USDA Contract No. AG-3142-D-17-0161. September 5, 2018.	Corn ethanol	Well to wheels	GHG emissions
Roy, P., F. Defersha, A. Rodriguqz-Uribe, M. Manjusri, and A. K. Mohanty. 2020. Evaluation of the life cycle of an automotive component produced from biocomposite. <i>Journal of Cleaner Production</i> , 273(10), Available at: https://doi.org/10.1016/j.jclepro.2020.123051	Biocomposites	Production through use	GHG emissions
Ryan, N. A., J. X. Johnson, and G. A. Keoleian. 2016. Comparative Assessment of Models and Methods to Calculate Grid Electricity Emissions. <i>Environmental Science & Technology</i> . 50(17):8937–8953. doi: 10.1021/acs.est.5b05216.	EVs, electricity generation	Well to tank	GHG emissions

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Sakunai, T., L. Ito, and A. Tokai. 2021. Environmental impact assessment on production and material supply stages of lithium-ion batteries with increasing demands for electric vehicles. <i>Journal of Material Cycles and Waste Management</i> . 23: 470–479. Available at: https://doi.org/10.1007/s10163-020-01166-4	EV Li-ion batteries	Cradle to gate	GHG emissions
Samaras, C, and K. Meisterling. 2008. Life cycle assessment of greenhouse gas emissions from plug-in hybrid vehicles: implications for policy. <i>Environmental Science & Technology</i> 42(9):3170–3176. doi:10.1021/es702178s. Available at: https://pubs.acs.org/doi/abs/10.1021/es702178s . (Accessed: February 28, 2018).	Batteries (NiMH and Li-ion)	Cradle to gate	Energy requirements, GHG emissions
Sathre, R., C. D. Scown, O. Kavadva, and T. P. Hendrickson. 2015. Energy and climate effects of second-life use of electric vehicle batteries in California through 2050. <i>Journal of Power Sources</i> . 288:82-91. doi: 10.1016/j.jpowsour.2015.04.097.	EV Li-ion batteries, energy storage systems	Cradle to grave	Energy requirements, GHG emissions
Saur, K., M. Schuckert, J. Gediga, H. Florin, and J. Hesselbach. 1997. LCA Study on Tires With Reduced Roll Resistance. Society of Automotive Engineers (SAE) Technical Paper 971159. Affiliated with PE Product Engineering GmbH and University of Stuttgart, Germany. doi:10.4271/971159.	Tires	Cradle to grave (excluding end-of-life)	Fuel use, energy requirements, GHG emissions, water pollution
Scown, C. D., W. W. Nazaroff, U. Mishra, B. Strogon, A. B. Lobscheid, E. Masanet, N. J. Santero, A. Horvath, and T. E. McKone. 2012. Lifecycle greenhouse gas implications of US national scenarios for cellulosic ethanol production. <i>Environmental Research Letters</i> 7(1):014011. doi:10.1088/1748-9326/7/1/019502. Available at: http://iopscience.iop.org/article/10.1088/1748-9326/7/1/014011a . (Accessed: February 28, 2018).	Cellulosic ethanol	Gate to gate (land-use impacts)	GHG emissions
Searchinger, T., R. Heimlich, R. A. Houghton, F. Dong, A. Elobied, J. Fabiosa, S. Tokgoz, D. Hayes, and T.-H. Yu. 2008. Use of U.S. Croplands for Biofuels Increases Greenhouse Gases through Emissions from Land-Use Change. <i>Science</i> 319(5867):1238–1240. doi:10.1126/science.1151861. Available at: http://science.sciencemag.org/content/319/5867/1238.full . (Accessed: February 28, 2018).	Corn ethanol, biomass ethanol	Well to wheels	GHG emissions

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Sebastian, B. M., and M. A. Thimons. 2017. Life Cycle Greenhouse Gas and Energy Study of Automotive Lightweighting. Prepared for Steel Recycling Institute. Available at: https://shop.steel.org/products/life-cycle-greenhouse-gas-and-energy-study-of-automotive-lightweighting-full-report . (Accessed: July 25, 2019).	Lightweighting, HSS, aluminum	Cradle to grave	Energy requirements, GHG emissions
Sebastian, B. M., M. A. Thimons, and K. Mahbubani. 2018. Consequential Life Cycle Greenhouse Gas Study of Automotive Lightweighting with Advanced High Strength Steel (AHSS) and Aluminum. Prepared for Steel Recycling Institute and Steel Market Development Institute. Available at: https://shop.steel.org/products/consequential-life-cycle-greenhouse-gas-study-of-automotive-lightweighting-with-advanced-high-strength-steel-ahss-and-aluminum . (Accessed: July 25, 2019).	Lightweighting, HSS, aluminum	Cradle to grave	Energy requirements, GHG emissions
Shanmugam, K., V. Gadhamshetty, P. Yadav, D. Athanassiadis, M. Tysklind, and V.K.K. Upadhyayula. 2019. Advanced High-Strength Steel and Carbon Fiber Reinforced Polymer Composite Body in White for Passenger Cars: Environmental Performance and Sustainable Return on Investment under Different Propulsion Modes. <i>ACS Sustainable Chemistry & Engineering</i> . 7(5): 4951-4963. Available at: https://pubs.acs.org/doi/pdf/10.1021/acssuschemeng.8b05588	Lightweighting, HSS, plastics and polymer composites	Cradle to grave	GHG emissions
Siler-Evans, K., I. Azevedo, and G. Morgan. 2012. Marginal emissions factors for the U.S. electricity system. <i>Environmental Science & Technology</i> . 46(9):4742–4748. doi: 10.1021/es300145v.	Electricity generation	Fuel combustion	GHG emissions
Sivertsen, L. K., J. Ö. Haagenen, and D. Albright. 2003. A Review of the Life Cycle Environmental Performance of Automotive Magnesium. Society of Automotive Engineers (SAE) Paper 2003-01-0641. March 3, 2003. doi:10.4271/2003-01-0641.	Magnesium, aluminum	Cradle to grave	Recycled materials

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Shan, Z., S. Qin, Q. Liu, and F. Liu. 2012. Key Manufacturing Technology and Equipment for Energy Saving and Emissions Reduction in Mechanical Equipment Industry. <i>International Journal of Precision Engineering and Manufacturing</i> 13(7):1095–1100. doi:10.1007/s12541-012-0143y.	Digital technology, new material, near-net shape forming technology, clean production, short production process technology, waste-free manufacturing technology, automatic control technology, remanufacturing and reusing technology	Cradle to grave	Energy requirements, GHG emissions
Shinde, P., K. Ravis, N. Nehru, S. Pawar, B. Balakrishnan, and V. Nair. 2016. Light Weight BIW Solutions for Improving Functional Properties: A Review. Society of Automotive Engineers (SAE) Paper 2016-01-8138. doi:10.4271/2016-01-8138.	Magnesium, aluminum, polymer composites, tailored blanks, hydroforming, welding, die casting	Not applicable	GHG emissions
Smirnov, E. N., V. A. Sklyar, M. V. Mitrofanov, O. E. Smirnov, V. A. Belevitin, and A. N. Smirnov. 2018. Complete Evaluation of extruded Aluminum Section and Semiproduct Mechanical Properties Under Conditions of Typical Regional Manufacturer Altek. <i>Metallurgist</i> . 61(9/10): 878-883. January 29.	Aluminum casting and extrusion	Well to wheel	Sustainability

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
<p>Spitzley, D. V., and G. A. Keoleian. 2001. Life Cycle Design of Air Intake Manifolds. In: Phase II: Lower Plenum of the 5.4: F-250 Intake Manifold, Including Recycling Scenarios. US Environmental Protection Agency (Eds.). National Risk Management Research Laboratory: Cincinnati, OH.</p>	<p>5.4 liter Ford F-250 with three different air intake manifolds: (1) a 2.89-kilogram lost-core composite used in most of the 5.4 liter engines, (2) a 5.58-kilogram sand-cast aluminum manifold currently used in Ford's 5.4-liter natural gas vehicles, and (3) a 2.89-kilogram vibration welded composite</p>	<p>Cradle to grave</p>	<p>Energy, solid waste, air pollutant emissions, GHG emissions, water pollution discharges</p>
<p>Sproesser, G., Y. Chang, A. Pittner, M. Finkbender, and M. Rethmeier. 2015. Life Cycle Assessment of welding technologies for thick metal plate welds. <i>Journal of Cleaner Production</i> 108:46–53. doi: 10.1016/j.jclepro.2015.06.121.</p>	<p>Manual metal Arc welding, automatic laser-arc hybrid welding, and gas metal Arc welding</p>	<p>Cradle to grave</p>	<p>GHG emissions, criteria pollutants</p>
<p>Sternberg, A., and A. Bardow. 2015. Power-to-What? –Environmental assessment of energy storage systems. <i>Energy & Environmental Science</i> 8.2 (2015):389–400. doi:10.1039/C4EE03051F.</p>	<p>Vanadium redox flow batteries, energy storage systems</p>	<p>Cradle to grave</p>	<p>GHG emissions, energy requirements</p>
<p>Stodolsky, F., A. Vyas, R. Cuenca, and L. Gaines. 1995. Life-Cycle Energy Savings Potential from Aluminum-Intensive Vehicles. Argonne National Laboratory. Conference Paper. 1995 Total Life Cycle Conference & Exposition. October 16–19, 1995. Vienna, Austria. doi:10.4271/951837.</p>	<p>Lightweighting, aluminum, and recycling technology</p>	<p>Cradle to grave</p>	<p>Energy requirements and fuel use</p>
<p>Subadra, S. P., S. Yousef, P. Griskevicius, and V. Makarevicius. 2020. High-performance fiberglass/epoxy reinforced by functionalized CNTs for vehicle applications with less fuel consumption and greenhouse gas emissions. <i>Polymer Testing</i>, 86(1).</p>	<p>Plastics and polymer composites</p>	<p>Not applicable</p>	<p>Fuel consumption and GHG emissions</p>

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Sullivan, J. L., A. Burnham, and M. Wang. 2010. Energy-Consumption and Carbon-Emission Analysis of Vehicle and Component Manufacturing. ANL/ESD/10-6. Argonne National Laboratory: Argonne, IL. September 2010. Available at: http://greet.es.anl.gov/publication-vehicle_and_components_manufacturing . (Accessed: February 28, 2018).	Aluminum, steel, iron, plastics, polymer, brass, copper, and lead	Gate to gate	None
Sun, J., M. Zheng, Y. Luo, and Z. Yu. 2019. Three-dimensional detached serpentine flow field design for redox flow batteries. <i>Journal of Power Sources</i> . 428:136–145.	Vanadium redox flow batteries	Not applicable	Voltage and energy efficiencies
Suresh, S., A. Suresh, S.P. Regalla, P.V. Ramana, and O. Vamshikrishna. 2020. Sustainability aspects in the warm forming of tailor welded blanks. E3S Web of Conferences 184. August 19. Available at: https://doi.org/10.1051/e3sconf/202018401042	Tailor-welded blanks	Well to wheels	Sustainability
Świczko-Żurek, B., G. Ronowski, and J. Ejsmont. 2017. Tyre rolling resistance and its influence on fuel consumption. <i>Combustion Engines</i> . 168(1):62-67. DOI: 10.19206/CE-2017-110	Tires	Use phase	Fuel Consumption, energy requirements
Synák, F., A. Kalašová. 2020. Assessing the Impact of the Change in the Tire Pressure on the Rolling Resistance and Fuel Consumption. <i>Advances in Science and Technology Research Journal</i> , 14(3):100–106. Available at: https://doi.org/10.12913/22998624/120801	Tires	Use phase	Fuel Consumption
Tamayao, M. A. M., J. J. Michalek, C. Hendrickson, and I. M. Azevedo. 2015. Regional variability and uncertainty of electric vehicle life cycle CO2 emissions across the United States. <i>Environmental Science & Technology</i> 49(14):8844-8855. doi:10.1021/acs.est.5b00815.	EVs, PHEVs, HEVs	Well to wheels and battery cradle to gate	GHG emissions
Tapper, R.J., M. L. Longana, A. Norton, K. D. Potter, and I. Hamerton. 2020. An evaluation of life cycle assessment and its application to the closed-loop recycling of carbon fibre reinforced polymers. <i>Composites Part B: Engineering</i> . 184. March 1. Available at: https://www.sciencedirect.com/science/article/abs/pii/S1359836819325405?via%3Dihub	Plastics and polymer composites	Recycling	GHG emissions, energy use, recycling
Tempelman, E. 2011. Multi-Parametric Study of the Effect of Materials Substitution of Life Cycle Energy Use and Waste Generation of Passenger Car Structures. <i>Transportation Research Part D: Transport and Environment</i> 16(7):476–485. doi:10.1016/j.trd.2011.05.007.	Lightweighting, HSS, fiber-reinforced plastics, aluminum	Cradle to grave	Energy requirements, waste generation

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Tessum, C. W., J. D. Hill, and J. D. Marshall. 2014. Life cycle air quality impacts of conventional and alternative light-duty transportation in the United States. <i>Proceedings of the National Academy of Sciences</i> 111(52):18490–18495. doi:10.1073/pnas.1406853111.	Gasoline, diesel, CNG, corn ethanol and corn stover, EVs	Well to wheels and battery cradle to gate	GHG emissions, air pollutant emissions including NO _x , PM, SO _x , VOCs, NH ₃
Tharumarajah, A., and P. Koltun. 2007. Is There an Environmental Advantage of Using Magnesium Components for Light-Weighting Cars? <i>Journal of Cleaner Production</i> 15(11-12):1007–1013. doi:10.1016/j.jclepro.2006.05.022.	Lightweighting, magnesium, aluminum, and magnesium casting	Cradle to grave	GHG emissions
Thiagarajan et al. 2020. Investigation and Analysis of Properties of Magnesium Alloy for Suitability to Electric Vehicle Components. IOP Conf. Ser.: Mater. Sci. Eng. 993 012007	Magnesium	NA	NA
Theiss, T., T. Alleman, A. Brooker, A. Elgowainy, G. Fioroni, J. Han, S. Huff, C. Johnson, M. Kass, P. Leiby, R. U. Martinez, R. McCormick, K. Moriarty, E. Newes, G. Oladosu, J. Szybist, J. Thomas, M. Wang, and B. West. 2016. Summary of High-Octane Mid-Level Ethanol Blends Study. ORNL/TM-2016/42. July 2016. Prepared by Oak Ridge National Laboratory, National Renewable Energy Laboratory, and Argonne National Laboratory. Available at: http://info.ornl.gov/sites/publications/files/pub61169.pdf . (Accessed: February 28, 2018).	HOFs, corn ethanol, corn stover ethanol	Well to wheels	GHG emissions
Tong, F., P. Jaramillo, and I. M. L. Azevedo. 2015. Comparison of Life Cycle Greenhouse Gases from Natural Gas Pathways for Light-Duty Vehicles. <i>Energy Fuels</i> . 29 (9): 6008-6018. doi: 10.1021/acs.energyfuels.5b01063.	EVs, compressed natural gas vehicles, natural gas production	Well to wheels	GHG emissions
Trupia, L., T. Parry, L. Neves, and D. Lo Presti. 2017. Rolling resistance contribution to a road pavement life cycle carbon footprint analysis. <i>The International Journal of Life Cycle Assessment</i> . 22:972–985. Available at: https://doi.org/10.1007/s11367-016-1203-9	Pavement type, tires	Cradle to grave	GHG emissions
Ungureanu, C. A., S. Das, and I. S. Jawahir. 2007. Life - Cycle Cost Analysis: Aluminum Versus Steel in Passenger Cars. Pgs. 11-24 in: <i>Aluminum Alloys for Transportation, Packaging, Aerospace, and Other Applications</i> . S.K. Das and W. Yin (Eds.). The Minerals, Metals & Materials Society (TMS):Orlando, FL. 234 pp.	Lightweighting	Cradle to grave	GHG emissions and energy requirements

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Wang, M., M. Wu, and H. Huo. 2007. Life-Cycle Energy and Greenhouse Gas Emission Impacts of Different Corn Ethanol Plant Types. <i>Environmental Research Letters</i> 2 (2007):024001. doi:10.1088/1748-9326/2/2/024001. Available at: http://iopscience.iop.org/1748-9326/2/2/024001/pdf/erl7_2_024001.pdf . (Accessed: February 28, 2018).	Corn ethanol	Well to wheels	GHG emissions, energy requirements
Wang, M., J. Han, J. B. Dunn, H. Cai, and A. Elgowainy. 2012. Well-to-wheels energy use and greenhouse gas emissions of ethanol from corn, sugarcane and cellulosic biomass for US use. <i>Environmental Research Letters</i> 7(4):045905. doi:10.1088/1748-9326/7/4/045905. Available at: http://iopscience.iop.org/article/10.1088/1748-9326/7/4/045905 . (Accessed: February 28, 2018).	Ethanol from corn, sugarcane, and cellulosic biomass	Well to wheels	GHG emissions
Wang, Z., J. B. Dunn, J. Han, and M. Q. Wang. 2015. Influence of corn oil recovery on life-cycle greenhouse gas emissions of corn ethanol and corn oil biodiesel. <i>Biotechnology for Biofuels</i> 8(1):178. doi:10.1186/s13068-015-0350-8. Available at: https://biotechnologyforbiofuels.biomedcentral.com/articles/10.1186/s13068-015-0350-8 . (Accessed: February 28, 2018).	Corn ethanol, corn oil biodiesel	Well to wheels	GHG emissions
Weber, C. L., and C. Clavin. 2012. Life cycle carbon footprint of shale gas: Review of evidence and implications. <i>Environmental Science & Technology</i> 46(11):5688–5695. doi:10.1021/es300375n.	Shale gas	Well to wire	GHG emissions
Wei, H., Y. Zhang, L. Tan, and Z. Zhong. 2015. Energy efficiency evaluation of hot-wire laser welding based on process characteristic and power consumption. <i>Journal of Cleaner Production</i> 87:255–262. doi:10.1016/j.jclepro.2014.10.009.	Hot wire laser welding, cold wire laser welding	Not applicable	Not applicable
Weis, A., P. Jaramillo, and J. Michalek. 2016. Consequential life cycle air emissions externalities for plug-in electric vehicles in the PJM interconnection. <i>Environmental Research Letters</i> 11(2):024009. doi:10.1088/1748-9326/11/2/024009. Available at: http://iopscience.iop.org/article/10.1088/1748-9326/11/2/024009 . (Accessed: February 28, 2018).	PHEVs, HEVs	Cradle to use-phase	GHG emissions, air pollutant emissions including VOCs, CO, NO _x , PM, SO ₂

Appendix C Life-Cycle Assessment Studies

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Weiss, M. A., J. B. Heywood, E. M. Drake, A. Schafer, and F. F. AuYeung. 2000. On the Road in 2020: A Lifecycle Analysis of New Automobile Technologies. Energy Laboratory Report MIT EL 00-003. Massachusetts Institute of Technology: Cambridge, MA. Available at: http://web.mit.edu/energylab/www/pubs/el00-003.pdf . (Accessed: February 28, 2018).	Lightweighting, HEVs, EVs, fuel cells, HSS, aluminum, plastics, alternative fuels	Cradle to grave	Energy requirements, GHG emissions
Wessel, J., A. Turetskyy, F. Cerdas, and C. Herrmann. 2021. Integrated Material-Energy-Quality Assessment for Lithium-ion Battery Cell Manufacturing. <i>Procedia CIRP</i> , 98:388-393.	EV Li-ion Batteries	Gate to gate	Energy demand
Witik, R. A., J. Payet, V. Michaud, C. Ludwig, and J. E. Manson. 2011. Assessing the Life Cycle Costs and Environmental Performance of Lightweight Materials in Automotive Applications. <i>Composites Part A: Applied Science and Manufacturing</i> . 42:1694–1709. Available at: https://www.sciencedirect.com/science/article/abs/pii/S1359835X11002302 . (Accessed: February 28, 2018).	Carbon fiber reinforced polymer	End of life, recycling	GHG emissions
Xiong, S., Y. Wang, B. Bai, and X. Ma. 2021. A hybrid life cycle assessment of the large-scale application of electric vehicles. <i>Energy</i> . 216. Available at: https://doi.org/10.1016/j.energy.2020.119314 .	PEVs, HEVs, EVs	Cradle to grave	CO ₂ emissions
Volkswagen. 2008. The DSG Dual-Clutch Gearbox Environmental Commendation –Background Report. Available at: www.evosoftware.dk/diagrams/ec_dsg_background.pdf . (Accessed: February 28, 2018).	Dual clutch transmission	Cradle to grave	Energy requirements, fuel use, GHG emissions, air emissions including CO, SO ₂ , NO _x , and NMVOCs, eutrophication, ozone depletion, acidification, raw material consumption
Xu, C., Dai, Q., Gaines, L. <i>et al.</i> Future material demand for automotive lithium-based batteries. 2020. <i>Commun Mater</i> 1, 99. Available at: https://doi.org/10.1038/s43246-020-00095-x	Li-ion batteries	Not applicable	Not applicable
Yu, M., B. Bai, X. Ma. 2021. Evaluating Remanufacturing Lithium-Ion Batteries. In: Gutierrez R.M. (eds) <i>Wastewater Technologies and Environmental Treatment</i> . Springer Proceedings in Earth and Environmental Sciences. Springer, Cham. 77–85. Available at: https://doi.org/10.1007/978-3-030-61989-3_8	Li-ion batteries	Remanufacturing and recycling	GHG emissions

Study Analyzed	Technologies and Materials Covered	Life-Cycle Boundaries ^a	Environmental Impacts Estimated
Zavala-Araiza, D., D. R. Lyon, R. A. Alvarez, K. J. Davis, R. Harriss, S. C. Herndon, A. Karion, E. A. Kort, B. K. Lamb, X. Lan, and A. J. Marchese. 2015. Reconciling divergent estimates of oil and gas methane emissions. <i>Proceedings of the National Academy of Sciences</i> , 112(51):15597–15602. doi:10.1073/pnas.1522126112. Available at: http://www.pnas.org/content/112/51/15597 . (Accessed: February 28, 2018).	Natural gas production	Cradle to gate	Methane emissions
Zavala-Araiza, D., D. Lyon, R. A. Alvarez, V. Palacios, R. Harriss, X. Lan, R. Talbot, and S. P. Hamburg. 2015. Toward a functional definition of methane super-emitters: Application to natural gas production sites. <i>Environmental Science & Technology</i> , 49(13):8167–8174. doi:10.1021/acs.est.5b00133. Available at: https://pubs.acs.org/doi/abs/10.1021/acs.est.5b00133 . (Accessed: February 28, 2018).	Natural gas production	Cradle to gate	Methane emissions
Zhang, Y., and A. Kendall. 2016. Life Cycle Performance of Cellulosic Ethanol and Corn Ethanol from a Retrofitted Dry Mill Corn Ethanol Plant. <i>BioEnergy Research</i> 10(1):183–198. doi:10.1007/s12155-016-9776-5.	Cellulosic ethanol, corn ethanol	Well to wheels	GHG emissions, energy requirements
Zhu et al. (2021). The coming wave of aluminum sheet scrap from vehicle recycling in the United States. Available at: https://www.sciencedirect.com/science/article/abs/pii/S0921344920305255	Aluminum Automotive Body Sheets stock and scrap availability analysis in the U.S.	Cradle to cradle	Indirect GHG emissions

Notes:

^a Cradle to gate = assessment of a partial product life cycle that includes the raw material extraction and manufacturing stages, and transportation between these stages; cradle to grave = life-cycle assessment that includes all five stages of a product’s life cycle (i.e., raw material extraction, manufacturing, vehicle use, end-of-life management, and transportation between the various stages); gate to gate = assessment of a partial product life-cycle that includes only the manufacturing stage.

EV = electric vehicle; GHG = greenhouse gas; PHEV = plug-in hybrid electric vehicle; HSS = high-strength steel; CO₂ = carbon dioxide; CO = carbon monoxide; VOC = volatile organic compound; NO_x = nitrogen oxides; SO₂ = sulfur dioxide; NH₃ = ammonia; PM = particulate matter; Li-ion = lithium-ion; E85 ethanol fuel blend of 85% ethanol fuel and 15% gasoline or other hydrocarbon; CNG = compressed natural gas; LPG = liquefied petroleum gas; FFV = flexible-fuel vehicles; HEV = hybrid electric vehicle; FCEV = fuel cell electric vehicle; AHSS = advanced high strength steel; CNF = carbon nanofiber; CNF-GF = carbon nanofiber-glass fiber; PNC = polymer nanocomposite; LCA = life-cycle analysis; TPMS = tire pressure management system; SO_x = oxides of sulfur; Pb = lead; NMVOCs = nonmethane volatile organic compounds; EREV = extended range electric vehicle; NiMH = nickel-metal hydride; HOF = high-octane fuel; HF = hydrogen fluoride

