Current Ozone Design Values and Widespread Attainment of the 2008 8-hr Ozone NAAQS

Prepared by:

Alpine Geophysics, LLC

387 Pollard Mine Road

Burnsville, NC 28174

January 2016

Annual 4th high maximum and average three year design values (dvs) are the basis of future year nonattainment and maintenance designation for the proposed Cross State Air Pollution Rule (CSAPR[1]). The recommended process in developing future year dvs is to multiply site-specific relative reduction factors (the fractional change in air quality concentrations that is simulated due to emissions changes between a base and a future year emissions scenario) by the corresponding site-specific base year dv and then to compare the results against the current level of the ozone NAAQS.

Future year nonattainment is defined as areas with average future year design values exceeding the 75 ppb NAAQS while maintenance areas are defined as areas with average future year design values meeting the NAAQS, but with the projected maximum of the three, three-year base year dvs used in the calculation shown to be in exceedance of the standard.

As reported by EPA[2], air quality, based on the annual 4th maximum MDA8 average, in each eastern state region has improved since 2000 anywhere from 11% to 24% (18% nationally), with no region showing fewer than 90% of its monitors in 2014 attaining 2008 NAAQS concentrations. Figure 1 presents EPA generated graphs of this improvement, both nationally and in each individual eastern state region.

Recent 8-hr ozone trends, for both the observed annual 4th high maximum of daily 8-hr average (MDA8) ozone and calculated 3-yr averaged design values, show air quality improvement as a result of on-the-books controls and regulation. In fact, using these most current EPA data for 2014 and draft data for 2015[3] shows widespread attainment of the 2008 ozone NAAQS in the eastern United States.

Based on these 2014 and 2015 data and the associated 3-yr design value for 2013-2015, of the seventeen eastern state monitors designated in CSAPR as maintenance, only two monitors' current design values exceed the 2008 NAAQS; one in Connecticut and one in Michigan. The remaining nonattainment or maintenance monitors, located in only two distinct and limited geographic areas of the eastern U.S.; bordering Lake Michigan (WI and MI) and between Interstate 95 and the Long Island Sound (CT), are shown in Figure 2.

Historical and CSAPR projected design values for the twenty-one monitors designated in CSAPR as nonattainment or maintenance are presented in Tables 1 and 2, respectively. Additional figures of 3-yr design value trends and CSAPR calculated significant contribution metrics for the twenty-one identified nonattainment and maintenance monitors can be found at the end of this document.

[1] 80 FR 75706
[2] http://www3.epa.gov/airtrends/ozone.html
[3] http://www3.epa.gov/airquality/airdata/index.html

Table 3 presents the monitor-level observational measurements of ozone concentrations for the monitors operated by EPA and the States in the U.S. and their associated average 3-yr ozone dvs. The table also presents the 2016 4th high maximum dv that would be necessary for each listed monitor to achieve the 75 ppb NAAQS with its 2014-2016 3-yr design value.

For those areas identified in CSAPR as projected nonattainment in the eastern U.S.(excluding Texas), it is shown that for all but three of the monitors (2 in CT, 1 in WI), 4th maximum MDA8 values need not even attain 75 ppb in order for the 2014-2016 three year average to show attainment with the NAAQS. Similarly, at the projected maintenance monitors, only one monitor (Fairfield, CT) needs to achieve a 4th high maximum below the 75 ppb NAAQS in order for the 2014-16 three year average to show attainment with the NAAQS.

This can be seen as another indication that air quality continues to improve in all but a few geographically constrained areas.

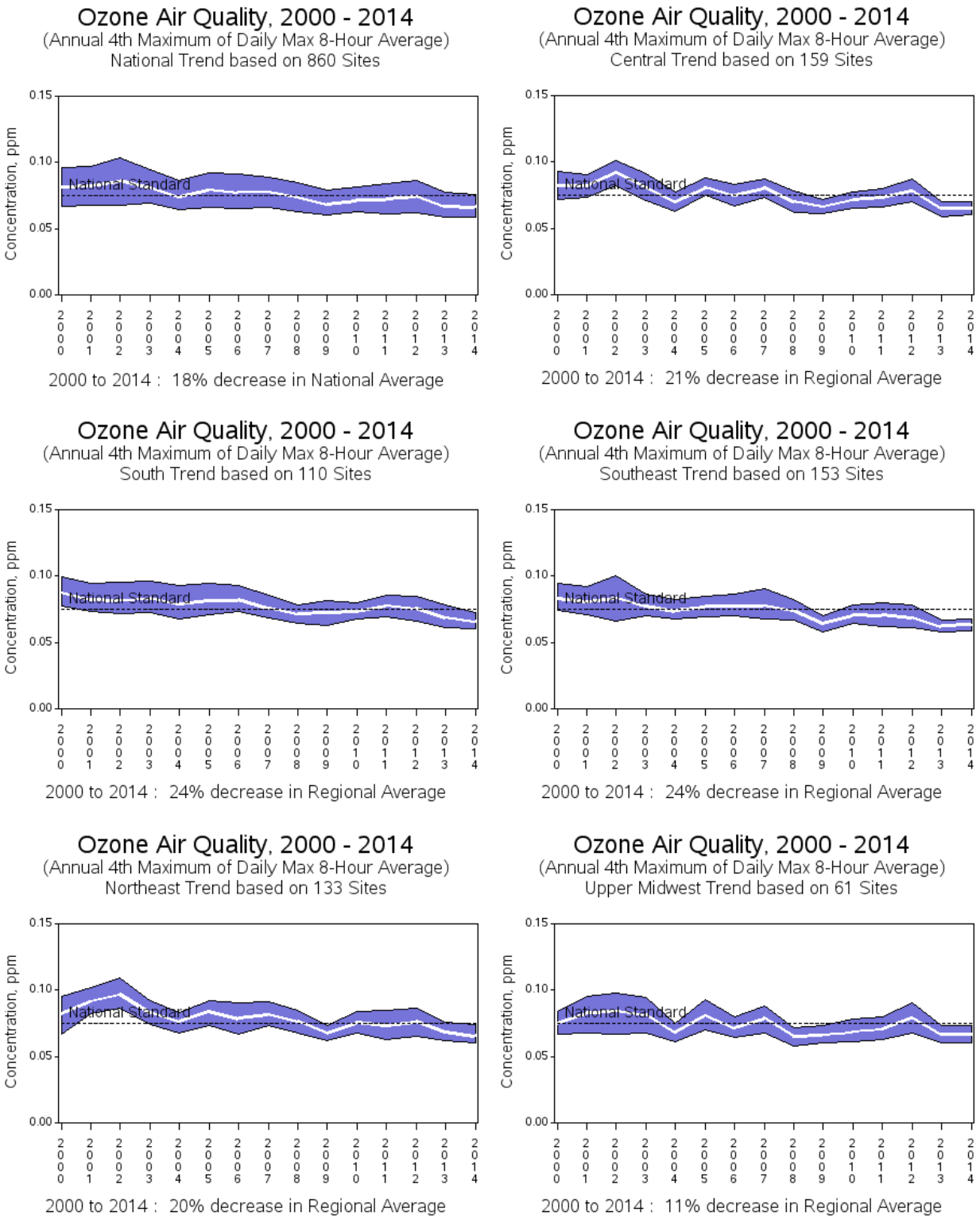


Figure 1. Ozone air quality trends (2000-2014) for U.S. and individual eastern state regions. Source: http://www3.epa.gov/airtrends/ozone.html

Figure 2. CSAPR identified nonattainment or maintenance eastern state monitors exceeding 75 ppb 8-hr ozone NAAQS using 2013-2015 design values.

Table 1. Historical and projected design values for CSAPR nonattainment monitors.

			Annual 4th Highest Maximum (ppb)					3-yr Average (ppb)			2017 CSAPR DV (ppb)	
State	County	Site ID	2011	2012	2013	2014	2015	2011-13	2012-14	2013-15	Average	Maximum
Connecticut	Fairfield	90013007	87	90	90	74	86	89	84	83	77.1	81.4
Connecticut	Fairfield	90019003	87	89	86	81	87	87	85	84	78.0	81.1
Connecticut	New Haven	90099002	92	90	85	69	81	89	81	78	77.2	80.2
Wisconsin	Sheboygan	551170006	84	93	78	72	81	85	81	77	77.0	79.4

Table 2. Historical and projected design values for CSAPR maintenance monitors.

			Annual 4th Highest Maximum (ppb)					3-yr Average (ppb)			2017 CSAPR DV (ppb)	
State	County	Site ID	2011	2012	2013	2014	2015	2011-13	2012-14	2013-15	Average	Maximum
Connecticut	Fairfield	90010017	81	88	82	78	84	83	82	81	75.8	78.4
Kentucky	Jefferson	211110067	82	90	65	70	76	79	75	70	75.8	78.6
Kentucky	Oldham	211850004	90	92	64	68	75	82	74	69	73.7	77.3
Maryland	Baltimore	240053001	85	83	67	68	71	78	72	68	73.2	76.2
Maryland	Harford	240251001	98	86	72	67	74	85	75	71	81.3	84.0
Michigan	Allegan	260050003	85	95	78	77	73	86	83	76	75.5	78.5
Michigan	Wayne	261630019	83	83	67	73	68	77	74	69	74.0	76.2
New Jersey	Camden	340071001	83	92	68	68	72	81	76	69	74.2	78.1
New Jersey	Gloucester	340150002	92	87	73	70	76	84	76	73	75.1	77.5
New Jersey	Middlesex	340230011	87	82	70	71	77	79	74	72	73.0	76.3
New Jersey	Ocean	340290006	85	85	70	72	75	80	75	72	73.9	76.6
New York	Queens	360810124	84	82	71	63	73	79	72	69	75.7	77.6
New York	Richmond	360850067	87	78	71	72	79	78	73	74	76.3	77.8
New York	Suffolk	361030002	89	83	72	66	78	81	73	72	79.2	80.8
Ohio	Hamilton	390610006	88	87	69	70	72	81	75	70	76.3	79.1
Pennsylvania	Allegheny	420031005	80	85	76	71	74	80	77	73	75.3	76.5
Pennsylvania	Philadelphia	421010024	89	85	68	72	78	80	75	72	75.1	78.4

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Alabama	Baldwin	10030010	72	69	74	73	67	62	70	63	94	71	72	71	67	66	65	59.8	61.5
Alabama	Colbert	10331002	66	61	68	63	72	59	59	57	111	65	64	67	64	63	58	50.9	52.5
Alabama	DeKalb	10499991		61	68	65	73	62	62	65	100		64	68	66	65	63	56.7	56.7
Alabama	Elmore	10510001	68	61	73	68	65	61	60	60	107	67	67	68	64	62	60	55.8	57.3
Alabama	Etowah	10550011	64	61	65	62	61	60	59	60	108	63	62	62	61	60	59	52.4	52.6
Alabama	Houston	10690004	66	58	67	65	63	61	59	60	108	63	63	65	63	61	60	55.1	56.2
Alabama	Jefferson	10730023	78	68	70	77	79	58	65	71	91	72	71	75	71	67	64	61.6	63.9
Alabama	Jefferson	10731003	74	62	73	75	77	63	65	65	97	69	70	75	71	68	64	62.0	64.5
Alabama	Jefferson	10731005	75	70	74	81	78	63	65	65	97	73	75	77	74	68	64	63.6	65.1
Alabama	Jefferson	10731010	72	65	72	77	80	66	63	62	102	69	71	76	74	69	63	62.2	64.1
Alabama	Jefferson	10732006	79	69	77	80	74	65	62	68	97	75	75	77	73	67	65	63.1	64.8
Alabama	Jefferson	10735003	77	62	72	76	71	64	61	66	100	70	70	73	70	65	63	60.4	62.1
Alabama	Jefferson	10736002	76	66	77	79	84	65	63	73	91	73	74	80	76	70	67	65.4	68.2
Alabama	Madison	10890014	73	66	71	72	76	64	64	63	100	70	69	73	70	68	63	60.3	62.3
Alabama	Mobile	10970003	76	67	74	70	69	60	68	60	99	72	70	71	66	65	62	58.8	60.5
Alabama	Mobile	10972005	70	73	77	71	70	62	70	62	95	73	73	72	67	67	64	62.5	62.5
Alabama	Montgomery	11011002	69	64	72	70	66	61	62	63	102	68	68	69	65	63	62	56.8	58.3
Alabama	Morgan	11030011	68	62	70	70	74	60	62	63	102	66	67	71	68	65	61	59.8	61.8
Alabama	Russell	11130002	69	63	69	66	67	63	58	62	107	67	66	67	65	62	61	56.0	56.8
Alabama	Shelby	11170004	82	68	74	76	76	67	63	66	98	74	72	75	73	68	65	61.7	63.2
Alabama	Sumter	11190003		54	67			58	58	57	112						57		
Alabama	Tuscaloosa	11250010	68	55	60	60	58	59	57	62	108	61	58	59	59	58	59	50.8	51.1
Alaska	Denali	20680003	68	54	52	53	52	52	58	54	115	58	53	52	52	54	54		
Alaska	Fairbanks North Star	20900034		54	52	35	48	48	44	45	138		47	45	43	46	45		
Arizona	Cochise	40038001	68	65	71	75	74	72	68	65	94	68	70	73	73	71	68	70.4	71.3
Arizona	Coconino	40051008	74	66	68	68	72	69	73	70	84	69	67	69	69	71	70	65.9	66.5
Alaska	Anchorage	20200018			42	47	46												
Alaska	Anchorage	20201004			45	47	46												
Arizona	Coconino	40058001	71	66	69	74	73	69	69	70	88	68	69	72	72	70	69	68.7	69.7
Arizona	Gila	40070010	78	72	70	76	78	72	72	73	82	73	72	74	75	74	72	68.8	70.0
Alaska	Matanuska Susitna	21700013		54	52	49	48		45				51						

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Arizona	La Paz	40128000	76	69	71	72	75	71	71	69	87	72	70	72	72	72	70	68.3	69.0
Arizona	Maricopa	40130019	78	68	75	78	83	76	76	74	77	73	73	78	79	78	75	72.9	75.0
Arizona	Maricopa	40131003		68	75		44	79	78	75	74					67	77		
Arizona	Maricopa	40131004	80	72	79	82	83	79	78	74	75	77	77	81	81	80	77	75.0	76.2
Arizona	Maricopa	40131010	75	65	70	70	69	77	76	72	79	70	68	69	72	74	75	64.7	66.8
Arizona	Maricopa	40132001	74	68	74	76	78	74	71	67	89	72	72	76	76	74	70	70.8	72.1
Arizona	Maricopa	40132005	73	70	77	77	79	77	80	77	70	73	74	77	77	78	78	71.1	72.0
Arizona	Maricopa	40133002	72	69	72	73	77	75	71	71	85	71	71	74	75	74	72	69.9	71.5
Arizona	Maricopa	40133003	76	72	76	75	80	74	72	68	87	74	74	77	76	75	71	71.2	72.4
Arizona	Maricopa	40134003	76	67	74	76	78	75	73	70	84	72	72	76	76	75	72	71.9	73.1
Arizona	Maricopa	40134004	77	70	74	74	74	70	70	69	88	73	72	74	72	71	69	68.3	69.5
Arizona	Maricopa	40134005	78	67	68	70	73	71	71	52	104	71	68	70	71	71		65.6	66.8
Arizona	Maricopa	40134008	78	70	74	81	78	72	74	69	84	74	75	77	77	74	71	70.7	71.3
Arizona	Maricopa	40134010	66	69	71	70	73	74	70	67	90	68	70	71	72	72	70	66.1	67.0
Arizona	Maricopa	40134011	68	62	64	67	68	60	60	60	107	64	64	66	65	62	60	61.5	62.5
Arizona	Maricopa	40137003	73	64	74	72	72	68	69	60	98	70	70	72	70	69	65	66.4	67.6
Arizona	Maricopa	40137020	75	70	73	75	76	74	73	72	82	72	72	74	75	74	73	69.3	70.5
Arizona	Maricopa	40137021	81	72	77	79	77	75	80	74	73	76	76	77	77	77	76	71.4	71.7
Arizona	Maricopa	40137022	81	70	70	76	75	75	76	76	75	73	72	73	75	75	75	68.2	69.8
Arizona	Maricopa	40135100	75	68	66	67	68					69	67						
Arizona	Maricopa	40137024	74	69	73	75	74	74	71	72	84	72	72	74	74	73	72	68.9	69.6
Arizona	Maricopa	40139508	77	67	70	77	79	73	74	73	80	71	71	75	76	75	73	68.3	70.1
Arizona	Maricopa	40139702	74	69	68	81	77	75	74	73	80	70	72	75	77	75	74	69.5	71.7
Arizona	Maricopa	40139704	79	69	74	77	77	70	68	69	90	74	73	76	74	71	69	69.5	70.9
Arizona	Maricopa	40139706	79	68	71	81	72	73	73	68	86	72	73	74	75	72	71	69.0	69.9
Arizona	Maricopa	40139997	78	73	76	78	76	79	77	75	75	75	75	76	77	77	77	72.5	73.4
Arizona	Navajo	40170119	72	62	68	69	73	69	68	61	98	67	66	70	70	70	66	66.1	67.3
Arizona	Pima	40190021	74	67	68	75	71	74	69	66	92	69	70	71	73	71	69	66.5	68.1
Arizona	Pima	40191011	66	63	66	70	68	63	62	65	100	65	66	68	67	64	63	62.4	63.3
Arizona	Pima	40191018	71	68	69	69	69	66	65	65	97	69	68	69	68	66	65	64.1	64.7
Arizona	Pima	40191020	72	64	69	73	69	72	63	64	100	68	68	70	71	68	66	64.9	66.1

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Arizona	Pima	40190002	65	66		69	73												
Arizona	Pima	40191028	69	67	66	68	65	71	66	63	98	67	67	66	68	67	66	62.2	63.1
Arizona	Pima	40191030	64	65	66	71	70	69	65	58	104	65	67	69	70	68	64	64.1	65.3
Arizona	Pima	40191032	65	61	68	66	67	70	61	65	101	64	65	67	67	66	65	61.8	62.5
Arizona	Pima	40191034	68	62	63	65	66	66	62	62	103	64	63	64	65	64	63	60.4	61.3
Arizona	Pinal	40213001	79	69	73	75	76	69	66	73	88	73	72	74	73	70	69	67.7	68.6
Arizona	Pinal	40213003	73	66	68	70	70	64	65	66	96	69	68	69	68	66	65	63.7	64.4
Arizona	Pinal	40213007	70	65	66	70	72	65	65	66	96	67	67	69	69	67	65	65.2	65.9
Arizona	Pinal	40217001	74	65	71	73	72	65	66	64	97	70	69	72	70	67	65	65.9	67.5
Arizona	Pinal	40218001	80	70	72	78	78	73	68	74	85	74	73	76	76	73	71	70.1	71.0
Arizona	Yavapai	40258033	69	62	67	70	72	65	77	68	82	66	66	69	69	71	70	65.7	66.6
Arizona	Yuma	40278011	77	68	76	76	80	73	78	77	72	73	73	77	76	77	76	70.7	72.3
Arizona	Pinal	40213009	71	62	62	70	72					65	64						
Arizona	Pinal	40213010	69	61	66	70	72					65	65						
Arkansas	Clark	50199991		68	76	64	65	67	59	60	108		69	68	65	63	62		
Arkansas	Crittenden	50350005	74	71	78	82	79	67	67	68	92	74	77	79	76	71	67	67.6	69.0
Arkansas	Newton	51010002	64	65	70	69	68	64	63	61	103	66	68	69	67	65	62		
Arizona	Yuma	40270006	76			70	72												
Arkansas	Polk	51130003	69	69	73	77	71	65	65	65	97	70	73	73	71	67	65	66.4	67.1
Arkansas	Pulaski	51190007	67	74	70	75	76	64	66	61	100	70	73	73	71	68	63	60.6	61.2
Arkansas	Pulaski	51191002	69	69	73	80	79	70	65	65	97	70	74	77	76	71	66	63.6	64.7
Arkansas	Pulaski	51191008	67	65	71	74	80	68	65	62	100	67	70	75	74	71	65	63.1	64.8
Arkansas	Washington	51430005	62	63	67	76	76	65	61	64	102	64	68	73	72	67	63	63.9	65.7
Arkansas	Washington	51430006		63	67		79	66	64	61	102					69	63		
California	Alameda	60010007	87	81	74	74	71	69	76	74	77	80	76	73	71	72	73	71.4	74.0
California	Alameda	60010009	57	57	45	47	40	46	57	55	115	53	49	44	44	47	52		
California	Alameda	60010011			33	45	46	45	51	52	124			41	45	47	49		
California	Alameda	60012001	68	71		57	52	59	72	64	91				56	61	65	55.6	55.6
California	Amador	60050002	101	68	75	70	78	66	74	74	79	81	71	74	71	72	71	66.7	68.6
California	Alameda	60010006	54				79												
California	Butte	60070007	84	79	76	77	78	71	74	74	79	79	77	77	75	74	73	68.3	68.9

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
California	Butte	60070008		79	76	65	65	62	66	67	94		73	68	64	64	65	59.1	60.0
California	Calaveras	60090001	94	78	79	75	76	67	71	81	75	83	77	76	72	71	73	69.4	71.3
California	Alameda	60011001	61	67	59	45	46					62	57						
California	Colusa	60111002	72	66	60	62	63	55	61	63	103	66	62	61	60	59	59	57.2	58.1
California	Alameda	60012004	45	47	41	57	52					44	48						
California	Contra Costa	60130002	78	73	71	75	70	57	67	70	90	74	73	72	67	64	64	69.2	71.4
California	Butte	60070002	80	69	65	70	78					71	68						
California	Contra Costa	60131002	76	75	78	71	72	62	69	68	90	76	74	73	68	67	66	68.5	70.7
California	Contra Costa	60131004	57	39	52	53	49	52	55	59	113	49	48	51	51	52	55		
California	Contra Costa	60132007		39	52		65	65	72	74	81					67	70		
California	El Dorado	60170010	106	85	80	76	89	82	82	80	65	90	80	81	82	84	81	74.2	75.1
California	El Dorado	60170020	102	86	81	87	81	76	83	80	64	89	84	83	81	80	79	75.1	76.3
California	Fresno	60190007	93	97	87	102	96	86	84	87	56	92	95	95	94	88	85	89.0	89.3
California	Fresno	60190011		100	98	90	95	84	90	87	50		96	94	89	89	87	87.6	90.4
California	Fresno	60190242	101	93	97	95	85	85	91	83	53	97	95	92	88	87	86	87.1	90.3
California	Contra Costa	60133001	67				65												
California	Fresno	60194001	101	82	94	89	94	95	87	92	48	92	88	92	92	92	91	84.2	85.4
California	El Dorado	60170012	78	69	68	66	75	66	68			71	67	69	69	69			
California	El Dorado	60170013	72	63		66	75												
California	Fresno	60195001	108	99	103	96	97	91	97	85	45	103	99	98	94	95	91	90.6	92.5
California	Imperial	60250005	87	76	73	72	80	78	78	77	72	78	73	75	76	78	77	72.9	74.1
California	Fresno	60190008	108	100	98	102	96					102	100						
California	Imperial	60251003	74	81	78	83	84	80	78	77	72	77	80	81	82	80	78	79.3	80.3
California	Imperial	60254003	77	77	71	73	69			55		75	73					69.2	70.2
California	Fresno	60192009		47	77	79	77	75	75				67	77	77	75		72.2	72.2
California	Imperial	60254004	75	77	70	72	70	72	69	71	87	74	73	70	71	70	70	67.8	69.4
California	Inyo	60270101	77	70	69	75	73	70	69	72	86	72	71	72	72	70	70	69.8	70.1
California	Glenn	60210003	67	72	61	64	65	66	67			66	65	63	65	66		60.3	61.0
California	Humboldt	60231004	49	47	45	47	45	45	43			47	46	45	45	44			
California	Humboldt	60231005		47	45	40	46	46	42				44	43	44	44			
California	Kern	60290007	107	97	99	92	88	79	85	85	57	101	96	93	86	84	83	86.2	90.2

Table 3. Monitor-level ozone design values.

			Ozone Design Values																	
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
California	Imperial	60250006	78	66	75	72	80					73	71						
California	Imperial	60250007	57			72	80												
California	Kern	60290008	84	86	85	94	82	78	78	81	68	85	88	87	84	79	79	80.6	82.2
California	Kern	60290014	101	86	93	87	87	84	84	88	55	93	88	89	86	85	85	82.8	84.0
California	Kern	60290232	104	87	93	87	88	78	78	82	67	94	89	89	84	81	79	82.2	83.8
California	Kern	60296001	93	80	91	84	85	79	81	84	62	88	85	86	82	81	81	79.7	81.3
California	Kings	60311004			103	86	82	85	86	82	59			90	84	84		81.1	83.9
California	Los Angeles	60370002	101	91	75	82	79	80	81	89	57	89	82	78	80	80	83	79.0	81.0
California	Kern	60290010	94			94	82												
California	Kern	60290011	93	83	75	82	82	81	89			83	80	79	81	84		76.2	77.1
California	Los Angeles	60370016	112	108	90	95	95	88	96	96	35	103	97	93	92	93	93	92.8	95.8
California	Los Angeles	60370113	73	75	69	62	65	59	77	69	81	72	68	65	62	67	68	64.3	67.2
California	Kern	60292012		87	93		99	87	87							91			
California	Kern	60295001	112	102	100		99					104							
California	Kern	60295002		38	92	91	91	87	88				73	91	89	88		84.5	85.5
California	Los Angeles	60371103	73	73	64	60	68	60	72	73	82	70	65	64	62	66	68	62.9	64.2
California	Kings	60310004	100	81		84	85												
California	Kings	60310500	102	85	87	84	85					91	85						
California	Los Angeles	60371201	95	93	86	91	95	84	83	87	57	91	90	90	90	87	84	87.9	87.9
California	Lake	60333001	68	61	56	55	65	60	60			61	57	58	60	61		53.9	55.5
California	Los Angeles	60371302	29	64	49	61	64	63	73	66	88	47	58	58	62	66	67	57.7	57.7
California	Los Angeles	60371701	100	95	76	86	85	85	90	94	43	90	85	82	85	86	89	82.2	83.2
California	Los Angeles	60372005	91	95	75	77	80	70	86	83	58	87	82	77	75	78	79	78.1	80.6
California	Los Angeles	60371002	92	86	76	81	81	79	67			84	81	79	80	75		77.1	78.1
California	Los Angeles	60374006			59	57	54	57	58	56	113			56	56	56	57		
California	Los Angeles	60375005	63	61	59	62	59	60	71	69	87	61	60	60	60	63	66		
California	Los Angeles	60371301	55			91	95												
California	Los Angeles	60376012	103	103	87	101	102	94	97	92	38	97	97	96	99	97	94	94.5	96.2
California	Los Angeles	60371602	77	72	59	61	71	70	79			69	64	63	67	73		62.9	63.4
California	Los Angeles	60379033	95	94	85	94	88	90	81	100	46	91	91	89	90	86		86.0	86.9
California	Madera	60390004	91	85	78	80	78	79	88	82	57	84	81	78	79	81	83	75.3	76.9

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
California	Los Angeles	60374002	64	64	56	59	60	60				61	59	58	59			57.8	58.3
California	Marin	60410001	55	55	53	53	49	57	64	63	100	54	53	51	53	56	61	50.6	51.2
California	Mariposa	60430003	94	78	77		81	73	77	70	80	83				77	73	73.4	74.1
California	Mariposa	60430006	89	77	75	76	81	77	77	71	79	80	76	77	78	78	75	71.6	72.5
California	Mendocino	60450008	61	53	47	43	57	46	52	53	122	53	47	49	48	51	50		
California	Merced	60470003	105	80	90	82	79	83	82	80	65	91	84	83	81	81	81	78.1	79.3
California	Madera	60392010			90	81	87	85	82					86	84	84		79.8	80.8
California	Monterey	60530002	60	57	63	56	54	59	63	59	105	60	58	57	56	58	60	53.9	54.8
California	Monterey	60530008	60	50	64	59	57	56	62	62	103	58	57	60	57	58	60	54.3	56.2
California	Monterey	60531003	60	56	53	55	49	51	59	55	113	56	54	52	51	53	55	49.8	51.4
California	Napa	60550003	67	64	67	64	58	55	62	65	100	66	65	63	59	58	60	58.0	60.5
California	Mendocino	60450009	45			43	57												
California	Nevada	60570005	91	83	79	76	77	78	82	85	60	84	79	77	77	79	81	70.6	71.8
California	Nevada	60570007	91	77	77	75	84	65	78	71	78	81	76	78	74	75	71	68.7	70.5
California	Orange	60590007	76	68	60	64	65	63	76	65	86	68	64	63	64	68	68	63.2	63.5
California	Orange	60591003	73	65	60	63	59	65	76	69	82	66	62	60	62	66	70	60.5	61.2
California	Orange	60592022	92	84	68	71	71	74	78	76	73	81	74	70	72	74	76	67.9	69.8
California	Orange	60595001	78	75	71	69	70	66	75	74	78	74	71	70	68	70	71	69.2	70.5
California	Placer	60610002	95	84	84	69	70			85		87	79						
California	Nevada	60571001	63		49	50													
California	Placer	60610004	84	75	75	73	77	71	73	75	79	78	74	75	73	73	73	67.3	68.2
California	Placer	60610006	94	91	85	84	86	75	83	73	71	90	86	85	81	81	77	78.2	80.0
California	Riverside	60650008		95	87			77	91	74	62						80		
California	Riverside	60650012	108	100	99	100	95	91	94	91	42	102	99	98	95	93	92	93.5	95.1
California	Riverside	60650016		100	99	82	77	74	77	80	70		93	86	77	76	77	71.6	71.6
California	Placer	60610003		84	84	87	81	73	81				85	84	80	78		75.4	77.2
California	Riverside	60652002	88	85	84	85	85	85	84	79	64	85	84	84	85	84	82	79.8	80.5
California	Riverside	60655001	96	97	92	92	94	90	89	86	52	95	93	92	92	91	88	87.6	88.2
California	Placer	60611004		91	85			44	62										
California	Placer	60612002		91	85		77	66	70							71			
California	Riverside	60650004	109	95	87	73						97	85					82.3	82.3

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
California	Riverside	60656001	106	101	99	94	90	88	89	95	43	102	98	94	90	89	90	88.1	91.9
California	Riverside	60650009		95	87		75	74	79							76			
California	Riverside	60658001	111	89	92	106	96	94	91	96	40	97	95	98	98	93	93	93.3	94.3
California	Riverside	60658005	104	87	90	96	95	92	87	93	47	93	91	93	94	91	90	89.2	90.4
California	Riverside	60651010	79	81	76	82	77					78	79						
California	Riverside	60651016	108	102	98	104	99	100	98			102	101	100	101	99		95.7	96.0
California	Riverside	60651999	85	69	77	104	99					77	83						
California	Riverside	60659001	108	96	86	92	87	81	79	93	55	96	91	88	86	82	84	82.7	85.2
California	Riverside	60659003	67	59	65	66	75	57	78	63	86	63	63	68	66	70	66	64.1	65.1
California	Sacramento	60670002	66	79	75	78	80	71	75	74	78	73	77	77	76	75	73	72.2	72.5
California	Sacramento	60670006	87	92	77	75	83	75	75	77	75	85	81	78	77	77	75	74.0	76.1
California	Sacramento	60670010	81	77	67	71	76	62	70	71	86	75	71	71	69	69	67	66.9	67.6
California	Sacramento	60670011	82	78	73	72	79	62	69	69	89	77	74	74	71	70	66	68.2	69.6
California	Sacramento	60670012	114	96	96	94	97	79	81	81	65	102	95	95	90	85	80	85.7	87.3
California	Sacramento	60670014	31	77	64	67	77	68	70	73	84	57	69	69	70	71	70	65.6	66.3
California	Sacramento	60675003	102	91	85	87	92	73	76	79	72	92	87	88	84	80	76	80.5	82.0
California	San Benito	60690002	68	67	71	61	56	59	68	62	97	68	66	62	58	61	63	58.5	62.3
California	San Benito	60690003	86	71	71	69	72	71	69	67	91	76	70	70	70	70	69	66.2	66.2
California	San Bernardino	60710001	90	77	73	79	79	78	84	77	66	80	76	77	78	80		73.8	74.8
California	Sacramento	60670013	80			94	97												
California	San Bernardino	60710005	120	108	109	106	103	99	102	108	17	112	107	106	102	101	103	103.6	105.6
California	San Bernardino	60710012	99	94	104	92	96	88	93	86	48	99	96	97	92	92		91.8	93.8
California	San Bernardino	60710306	89	87	85	79	86	90	84	93	50	87	83	83	85	86		81.2	82.4
California	San Bernardino	60711004	108	102	90	98	102	95	93	101	33	100	96	96	98	96	96	94.3	95.6
California	San Bernardino	60711234	84	71	70	68	72	65	67	68	92	75	69	70	68	68		66.8	66.8
California	San Bernardino	60712002	110	100	94	105	106	100	93	100	34	101	99	101	103	99	97	99.5	101.5
California	San Bernardino	60714001	98	96	95	100	92	83	87	96	44	96	97	95	91	87		92.3	95.0
California	San Bernardino	60714003	112	100	97	113	105	104	99	103	25	103	103	105	107	102	102	101.8	103.8
California	San Bernardino	60719002	105	93	97	91	95	85	90	85	52	98	93	94	90	90	86	88.0	89.6
California	San Bernardino	60719004	112	101	95	101	100	97	95	106	26	102	99	98	99	97	99	95.7	96.0
California	San Diego	60730001	74	67	68	55	65	59	63	61	103	69	63	62	59	62		60.7	62.4

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
California	San Diego	60731001	75	67	63	64	61	62	73	64	90	68	64	62	62	65		61.5	62.5
California	San Diego	60731002	89	74	75	68	68	72	76	69	82	79	72	70	69	72		64.9	66.5
California	San Diego	60731006	98	85	81	82	80	78	80	79	68	88	82	81	80	79		76.6	77.6
California	San Diego	60731008	70	71	64	67	62	62	71	68	88	68	67	64	63	65		61.6	63.8
California	San Diego	60731010	61	60	58	60	52	52	68	61	98	59	59	56	54	57		55.7	58.4
California	San Diego	60730003	82	71	73	70	68	68	48			75	71	70	68	61		66.7	68.0
California	San Diego	60730006	82	69	70	69	41					73	69					66.8	66.8
California	San Diego	60731016			60	66	67	66	70	67	90			64	66	67		63.9	63.9
California	San Francisco	60750005	49	48	46	48	47	43	52	50	125	47	47	47	46	47	48		
California	San Joaquin	60771002	77	70	70	66	72	64	71	72	84	72	68	69	67	69	69	64.2	65.1
California	San Joaquin	60773005	90	80	75	80	85	73	80	76	71	81	78	80	79	79	76	75.9	76.8
California	San Luis Obispo	60790005	65	60	69	63	66	61	58	65	104	64	64	66	63	61	61	60.4	62.0
California	San Luis Obispo	60792006	60	61	57	55	51	50	62	57	108	59	57	54	52	54	56	50.9	53.5
California	San Diego	60731201	38	66	78	66	67					60	70					65.9	66.6
California	San Diego	60732007	66	61	56	59	57	59	49			61	58	57	58	55		56.1	56.3
California	San Luis Obispo	60793001	58	57	53	57	49	50	60	52	115	56	55	53	52	53	54	50.4	52.0
California	San Luis Obispo	60794002	66	63	67	58	53	56	66	60	101	65	62	59	55	58		54.9	58.0
California	San Luis Obispo	60798001	69	63	63	62	65	61	63	39	125	65	62	63	62	63	54	58.3	59.0
California	San Luis Obispo	60798005	92	78	83	75	81	75	73	72	82	84	78	79	77	76	73	73.1	74.1
California	San Luis Obispo	60798006	87	75	77	77	75	67	68	68	91	79	76	76	73	70	67	70.4	71.3
California	San Mateo	60811001	58	59	56	53	50	56	64	59	104	57	56	53	53	56	59		
California	Santa Barbara	60830008	66	58	62	59	54	57	65	57	105	62	59	58	56	58	59	55.3	56.5
California	Santa Barbara	60830011	62	58	57	57	54	55	66	61	100	59	57	56	55	58	60	53.5	54.5
California	Santa Barbara	60831008	56	55	51	51	49	48	58	52	117	54	52	50	49	51	52	47.1	48.7
California	Santa Barbara	60831013	67	64	63	66	59	62	67	59	101	64	64	62	62	62	62	59.1	60.4
California	Santa Barbara	60831014	68	71	71	65	67	65	65	62	100	70	69	67	65	65	64	63.4	65.3
California	Santa Barbara	60831018	56	60	53	55	56	56	64	60	103	56	56	54	55	58	60	52.7	53.6
California	Santa Barbara	60831021	72	79	68	66	63	65	76	60	91	73	71	65	64	68	67	63.6	67.7
California	Santa Barbara	60831025	70	83	75	62	70	59	70	70	87	76	73	69	63	66	66	65.4	69.9
California	Santa Barbara	60832004	62	55	57	51	53	54	63	53	111	58	54	53	52	56	56	50.7	51.7
California	Santa Barbara	60832011	62	59	57	57	51	59	69	61	97	59	57	55	55	59	63	53.3	54.5

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
California	Santa Barbara	60833001	67	64	65	59	56	57	63	62	102	65	62	60	57	58	60	56.6	58.8
California	Santa Barbara	60834003	65	59	64	61	58	58	69	56	102	62	61	61	59	61	61	57.9	58.6
California	Santa Clara	60850002	72	70	80	65	66	63	71	68	88	74	71	70	64	66	67	64.8	67.4
California	Santa Clara	60850005	67	63	69	59	57	60	65	65	97	66	63	61	58	60	63	60.5	62.8
California	Santa Clara	60851001	74	77	69	65	63	62	69	72	86	73	70	65	63	64	67	65.8	68.2
California	Santa Clara	60852006	71	77	79	68	70	67	73	71	83	75	74	72	68	70	70	68.2	70.7
California	Santa Cruz	60870007	57	57	54	56	49	49	62	57	108	56	55	53	51	53	56	51.2	53.1
California	Shasta	60890004	77	68	63	61	58	50	72	66	89	69	64	60	56	60	62	55.9	59.6
California	Shasta	60890007	81	74	72	62	69	64	71	68	88	75	69	67	65	68	67	62.8	64.7
California	Shasta	60890009		68	74	72	63	68	57	78	92		71	69	67	62	67	64.2	65.2
California	Shasta	60893003	83	64	65	65	71	68	65	66	96	70	64	67	68	68	66	62.3	63.9
California	Santa Clara	60852007	63			68	70												
California	Santa Clara	60852009			61	63	61	63						61	62			61.2	61.2
California	Santa Cruz	60870003	56		46	52	38												
California	Santa Cruz	60870004	58	59		52	38												
California	Santa Cruz	60870006	64	56		52	38												
California	Solano	60950004	67	63	60	61	56	55	64	64	99	63	61	59	57	58	61	57.0	58.9
California	Santa Cruz	60871003		57	54		51	64	55							56			
California	Solano	60950005	68	71	70	68	67	61	63	67	97	69	69	68	65	63	63	62.7	64.3
California	Stanislaus	60990005	90	79	73	74	78	75	81	82	64	80	75	75	75	78	79	72.0	72.0
California	Stanislaus	60990006	106	86	87	88	91	80	81	85	61	93	87	88	86	84	82	83.0	83.9
California	Sutter	61010003	68	66	66	64	69	60	69	64	94	66	65	66	64	66	64	60.0	61.0
California	Siskiyou	60932001	65	58	59	59	63	63	61			60	58	60	61	62			
California	Sutter	61010004	88	72	68	75	77	72	75	72	80	76	71	73	74	74	73		
California	Tehama	61030004	87	78	76	75	77	72	76	75	76	80	76	76	74	75	74	70.3	71.0
California	Solano	60950006	75			68	67												
California	Solano	60953003	76	69	68	69	70	64	66			71	68	69	67	66		64.0	64.9
California	Sonoma	60970003	57	53	54	45	42	55				54	50	47	47			44.0	45.8
California	Sonoma	60971003		53	54	48	58	55	62				51	53	53	58			
California	Tehama	61030005	80	66	77	69	75	72	68	24	135	74	70	73	72	71	54	67.6	68.1
California	Tulare	61070006	101	80	77	81	87	87	85	83	59	86	79	81	85	86	85	77.0	80.1

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
California	Tulare	61070009	112	98	94	96	95	90	89	88	50	101	96	95	93	91	89	87.3	88.5
California	Tulare	61072002	105	91	96	79	88	74	78	87	62	97	88	87	80	80	79	78.6	81.4
California	Tuolumne	61090005	98	77	72	74	75	70	75	76	76	82	74	73	73	73	73	67.8	68.4
California	Ventura	61110007	77	81	76	72	69	62	74	66	87	78	76	72	67	68	67	69.3	73.4
California	Ventura	61110009	81	85	73	75	73	69	79	72	76	79	77	73	72	73	73	70.7	73.6
California	Ventura	61111004	81	79	77	77	79	72	77	72	78	79	77	77	76	76	73	72.8	73.1
California	Ventura	61112002	90	87	82	81	81	77	81	74	72	86	83	81	79	79	77	78.3	80.2
California	Tulare	61072010			91	92	88	84	73					90	88	81		82.7	83.6
California	Ventura	61113001	64	63	62	65	54	59	67	60	100	63	63	60	59	60	62	58.6	60.8
California	Yolo	61130004	77	72	69	70	71	58	65	66	96	72	70	70	66	64	63	64.1	65.3
California	Yolo	61131003	76	75	66	68	75	65	66	70	91	72	69	69	69	68	67	65.3	65.3
Colorado	Adams	80013001	76	72	63	75	77	77	67	69	91	70	70	71	76	73	71	72.7	72.7
Colorado	Arapahoe	80050002	59	69	75	78	80	79		62		67	74	77	79			74.4	76.6
California	Ventura	61112003	67	62	60	54						63	58						
Colorado	Arapahoe	80050006		66	70	77	74	73	67	68	92		71	73	74	71	69	68.3	68.7
Colorado	Boulder	80130011	76	73	72	76	76	79	70	74	83	73	73	74	77	75	74	69.8	71.9
Colorado	Denver	80310002	25				68	67	61	67	99					65	65		
Colorado	Denver	80310026		62	64			71	66	70	91						69		
Colorado	Douglas	80350004	80	71	79	82	86	83	74	81	72	76	77	82	83	81	79	76.0	78.1
Colorado	El Paso	80410013	70	60	68	74	75	74	64	66	97	66	67	72	74	71	68	66.9	69.7
Colorado	El Paso	80410016	72	64	72	75	75	72	62	65	100	69	70	74	74	69	66	68.2	69.5
Colorado	Boulder	80137001	47			76	76												
Colorado	Boulder	80137002	46			76	76												
Colorado	Garfield	80450012	66	62	66	66	68	62	61	68	98	64	64	66	65	63	63	62.8	63.8
Colorado	Denver	80310014	72	63	69	75	77	44				68	69	73	65			67.9	69.8
Colorado	Denver	80310025	70	62	64	70	73					65	65					63.9	63.9
Colorado	Gunnison	80519991		62	66	64	70	64	63	68	96		64	66	66	65	65		
Colorado	Jackson	80570003		62	66	45	59	64	59	55	113		57	56	56	60	59		
Colorado	Jefferson	80590005	73	70	72	77	79	80	66	75	86	71	73	76	78	75	73	72.0	74.2
Colorado	Jefferson	80590006	79	79	76	81	84	85	77	77	73	78	78	80	83	82	79	76.3	78.8
Colorado	Jefferson	80590011	76	68	74	83	81	84	76	81	70	72	75	79	82	80	80	75.8	78.9

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Colorado	Jefferson	80590013		67	73	72	77	77	65	70	92		70	74	75	73	70	69.9	70.4
Colorado	La Plata	80677001	67	65	68	72	67	69	67	46	114	66	68	69	69	67	60	65.9	66.2
Colorado	Jefferson	80590002	74	70	75	79	41					73	74					71.2	71.2
Colorado	La Plata	80677003	67	66	67	69	69	67	65	45	117	66	67	68	68	67	59		
Colorado	Larimer	80690007	76	68	77	77	79	74	69	68	90	73	74	77	76	74	70	70.2	71.4
Colorado	Larimer	80690011	76	73	75	80	80	82	74	75	78	74	76	78	80	78	77	72.5	74.4
Colorado	Larimer	80691004	66	63	66	68	74	74	72	69	86	65	65	69	72	73	71	64.1	67.2
Colorado	La Plata	80671004	69	71	74	77	69	72	64			71	74	73	72	68		70.1	71.1
Colorado	Mesa	80770020	70	64	68	66	71	66	62	65	100	67	66	68	67	66	64	64.3	65.3
Colorado	Moffat	80810002		64	68	60	66	65	62	29	136		64	64	63	64			
Colorado	Montezuma	80830006	64	64	64	71	70	64	62	61	104	64	66	68	68	65	62	63.8	64.5
Colorado	Montezuma	80830101	69	69	66	70	69	69	65	66	96	68	68	68	69	67	66	64.1	64.7
Colorado	Larimer	80690012		69	71	73	71	66					71	71	70			65.9	65.9
Colorado	Rio Blanco	81030005			66	63	64	64	62	64	101			64	63	63	63	61.4	61.8
Colorado	Rio Blanco	81030006			58	73	69	91	62	66	99			66	77	74	73		
Colorado	Weld	81230009	73	67	73	77	80	73	70	73	84	71	72	76	76	74	72	70.1	71.4
Connecticut	Fairfield	90010017	88	68	79	81	88	82	78	84	65	78	76	82	83	82	81	75.8	78.4
Connecticut	Fairfield	90011123	86	74	84	83	84	76	74	79	74	81	80	83	81	78	76	71.9	73.5
Colorado	Pitkin	80970007			63	70	69												
Connecticut	Fairfield	90013007	78	73	79	87	90	90	74	86	67	76	79	85	89	84	83	77.1	81.4
Connecticut	Fairfield	90019003	90	73	79	87	89	86	81	87	59	80	79	85	87	85	84	78.0	81.1
Connecticut	Hartford	90031003	80	66	76	72	77	77	77	75	75	74	71	75	75	77	76	66.5	67.7
Connecticut	Litchfield	90050005		70	72	69	73	68	66	76	85		70	71	70	69	70	62.5	63.1
Connecticut	Middlesex	90070007	82	70	81	80	81	82	80	78	69	77	77	80	81	81	80	70.7	72.2
Connecticut	New Haven	90090027	74	61	68	80	81	75	72	81	74	67	69	76	78	76	76	68.1	71.5
Connecticut	New Haven	90099002		73	79	92	90	85	69	81	77		81	87	89	81	78	77.2	80.2
Connecticut	New London	90110124	80	73	75	82	87	85	65	77	85	76	76	81	84	79	75	71.5	74.8
Connecticut	Tolland	90131001	84	74	79	68	83	81	77	72	78	79	73	76	77	80	76	67.2	68.7
Connecticut	Windham	90159991		74	79	70	75	69	67	70	90		74	74	71	70	68		
Delaware	Kent	100010002	81	66	77	72	87	64	66	66	95	74	71	78	74	72	65	65.3	68.5
Delaware	New Castle	100031007	78	68	80	78	82	62	71	65	91	75	75	80	74	71	66	65.9	69.2

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Delaware	New Castle	100031010	82	68	79	78	78	63	74	71	82	76	75	78	73	71	69	68.8	68.8
Delaware	New Castle	100031013	77	69	80	83	78	67	69	69	89	75	77	80	76	71	68	68.3	70.3
Delaware	Sussex	100051002	81	67	84	77	84	65	63	64	100	77	76	81	75	70	64	67.3	70.6
Delaware	Sussex	100051003	79	69	83	75	85	72	67	70	90	77	75	81	77	74	69	69.7	72.6
District Of Columbia	District of Columbia	110010050		71	82			66	69	72	86						69		
Florida	Alachua	120013011	69	56	69	64	64	62	60	56	111	64	63	65	63	62	59	57.1	58.2
Florida	Baker	120030002	67	56	65	64	61	59	59	58	110	62	61	63	61	59	58	56.0	57.2
Florida	Bay	120050006	75	65	72	70	66	63	66	61	100	70	69	69	66	65	63	57.9	58.8
Florida	Brevard	120090007	67	64	64	66	64	63	59	58	110	65	64	64	64	62	60	57.9	57.9
Florida	Brevard	120094001	69	61	64	66	65	63	63	59	105	64	63	65	64	63	61	58.4	59.3
Florida	Broward	120110033		55	60	56	62	57	59	37	131		57	59	58	59	51	55.1	56.0
Florida	Broward	120112003	59	59	59	57	62	55	61	61	105	59	58	59	58	59	59	54.4	55.0
Florida	Broward	120118002	65	61	62	57	60	60	64	63	100	62	60	59	59	61	62	55.9	56.6
Florida	Collier	120210004	71	61	59	60	59	61	58	57	112	63	60	59	60	59	58	54.0	54.4
Florida	Columbia	120230002	67	57	68	64	62	59	58	57	112	64	63	64	61	59	58	56.5	57.7
Florida	Duval	120310077	71	65	68	67	59	55	62	57	108	68	66	64	60	58	58	57.4	59.8
Florida	Duval	120310100	64	64	68	71	56	57	71	61	95	65	67	65	61	61	63	58.3	60.7
Florida	Duval	120310106		46	66	68	59	60	60	60	107		60	64	62	59	60	56.9	57.8
Florida	Escambia	120330004	73	69	71	70	68	64	69	62	96	71	70	69	67	67	65	61.3	62.4
Florida	Escambia	120330018	75	73	74	74	71	66	70	61	96	74	73	73	70	69	65	64.4	65.3
Florida	Flagler	120350004				56	65	61	63	58	106				60	63	60		
Florida	Highlands	120550003	73	62	66	64	62	61	60	58	109	67	64	64	62	61	59	57.5	58.1
Florida	Hillsborough	120570081	82	73	71	75	68	70	71	68	88	75	73	71	71	69	69	65.3	66.5
Florida	Hillsborough	120571035	73	67	68	72	68	63	63	66	98	69	69	69	67	64	64	62.0	62.7
Florida	Hillsborough	120571065	77	69	72	75	67	66	66	66	95	72	72	71	69	66	66	65.5	66.7
Florida	Hillsborough	120573002	72	70	70	73	74	66	66	68	93	70	71	72	71	68	66	63.1	63.6
Florida	Holmes	120590004	68	58	65	64	62	60	60	59	108	63	62	63	62	60	59	53.6	54.2
Florida	Indian River	120619991		58	65	65	67	63	64	60	103		62	65	65	64	62	58.6	58.6
Florida	Lake	120690002	69	65	66	69	65	63	67	59	101	66	66	66	65	65	63	58.7	59.0
Florida	Lee	120712002	68	62	65	62	65	66	63	58	106	65	63	64	64	64	62	57.8	58.0
Florida	Lee	120713002	68	61	62	61	61	64	60	58	109	63	61	61	62	61	60	54.9	55.5

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Florida	Leon	120730012	70	57	65	66	67	62	59	61	107	64	62	66	65	62	60	54.5	55.9
Florida	Leon	120730013	69	59	64	66	66	61	60	67	100	64	63	65	64	62	62	54.4	55.2
Florida	Liberty	120779991		59	64	60	62	57	57	56	114		61	62	59	58	56		
Florida	Manatee	120813002	81	54	68	70	58	61	60	61	106	67	64	65	63	59	60	58.0	58.9
Florida	Manatee	120814012	82	51	67	68	66	67	62	65	100	66	62	67	67	65	64	60.1	60.1
Florida	Manatee	120814013	55		63	66	61	63	64	60	103			63	63	62	62		
Florida	Marion	120830003	71	59	68	67	63	61	64	58	105	66	64	66	63	62	61	57.7	58.6
Florida	Marion	120830004	69	58	65	65	59	61	59	57	111	64	62	63	61	59	59	55.1	56.0
Florida	Martin	120850007			59	64	62		61	60	106						60		
Florida	Miami-Dade	120860027	72	64	69	63	63	62	63	59	105	68	65	65	62	62	61	61.2	62.2
Florida	Miami-Dade	120860029	74	62	65	62	62	68	61	58	108	67	63	63	64	63	62	59.6	60.3
Florida	Okaloosa	120910002	38	64	69	68	64	62	67	59	101	57	67	67	64	64	62	57.8	58.6
Florida	Orange	120950008	70	66	71	76	71	64	62	61	104	69	71	72	70	65	62	63.5	64.4
Florida	Orange	120952002	70	65	70	78	72	63	63	59	105	68	71	73	71	66	61	65.1	66.3
Florida	Osceola	120972002	71	63	67	68	65	65	64	61	102	67	66	66	66	64	63	58.1	58.1
Florida	Palm Beach	120990009	66	63	66	62	63	61	62	59	106	65	63	63	62	62	60	58.8	59.1
Florida	Pasco	121010005	73	65	67	71	64	63	61	61	105	68	67	67	66	62	61	58.7	59.0
Florida	Pasco	121012001	76	58	64	68	66	68	64	60	103	66	63	66	67	66	64	59.2	60.8
Florida	Pinellas	121030004	72	60	67	72	63	67	63	59	105	66	66	67	67	64	63	60.9	61.2
Florida	Pinellas	121030018	73	65	65	66	66	66	64	59	104	67	65	65	66	65	63	59.5	60.1
Florida	Pinellas	121035002	73	58	65	67	63	65	61	56	110	65	63	65	65	63	60	58.6	59.2
Florida	Polk	121056005	69	65	64	69	71	64	63	62	102	66	66	68	68	66	63	59.6	60.2
Florida	Polk	121056006	74	66	68	70	71	64	62	64	101	69	68	69	68	65	63	60.7	61.3
Florida	St. Lucie	121110013		66	68	64	62		62	60	105		66				61		
Florida	Santa Rosa	121130015	80	71	74	77	67	65	70	61	96	75	74	72	69	67	65	62.7	64.8
Florida	Sarasota	121151005	80	71	70	75	68	71	64	62	101	73	72	71	71	67	65	63.7	64.3
Florida	Sarasota	121151006	79	65	69	70	66	67	63	63	101	71	68	68	67	65	64	60.4	60.6
Florida	Sarasota	121152002	76	64	67	66	67	69	62	60	105	69	65	66	67	66	63	59.1	60.0
Florida	Seminole	121171002	67	62	67	71	71	61	60	60	107	65	66	69	67	64	60	60.4	61.9
Florida	Volusia	121272001	64	56	61	60	61	59	60	57	110	60	59	60	60	60	58	52.5	52.8
Florida	Volusia	121275002	64	60	66	64	64	61	62	57	108	63	63	64	63	62	60	56.5	57.1

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Florida	Wakulla	121290001	75	58	68	64	64	61	61	57	109	67	63	65	63	62	59	57.0	58.1
Georgia	Bibb	130210012	78	70	71	78	72	64	65	62	100	73	73	73	71	67	63	59.4	60.0
Georgia	Chatham	130510021	67	62	65	65	63	59	57	58	112	64	64	64	62	59	58	55.8	56.4
Georgia	Chattooga	130550001	68	65	67	69	67	59	60	63	104	66	67	67	65	62	60	56.8	57.4
Georgia	Clarke	130590002	77	67	73	75	71	60	63	63	101	72	71	73	68	64	62	58.5	60.4
Georgia	Cobb	130670003	75	76	79	79	75	67	66	66	95	76	78	77	73	69	66	63.9	65.6
Georgia	Columbia	130730001	75	64	68	73	71	61	62	59	106	69	68	70	68	64	60	58.2	59.3
Georgia	Coweta	130770002	75	65	65	72	62	53	67	66	94	68	67	66	62	60	62	53.1	54.7
Georgia	Dawson	130850001	75	67	73	66	63	63	66	63	98	71	68	67	64	64	64	55.1	56.5
Georgia	DeKalb	130890002	87	77	75	80	85	62	70	72	85	79	77	80	75	72	68	65.3	67.6
Georgia	Douglas	130970004	80	72	74	78	73	63	65	70	92	75	74	75	71	67	66	60.6	62.0
Georgia	Fulton	131210055	84	77	80	84	87	69	73	77	77	80	80	83	80	76	73	68.1	69.8
Georgia	Glynn	131270006	67	57	66	62	57	57	57	54	116	63	61	61	58	57	56	53.4	54.3
Georgia	Gwinnett	131350002	79	73	72	82	80	69	68	71	88	74	75	78	77	72	69	64.5	65.6
Georgia	Henry	131510002	86	74	78	82	88	70	75	70	82	79	78	82	80	77	71	67.6	69.2
Georgia	Murray	132130003	77	69	73	73	70	62	67	63	97	73	71	72	68	66	64	59.3	60.7
Georgia	Muscogee	132150008	73	65	68	68	66	60	61	62	104	68	67	67	64	62	61	56.2	57.0
Georgia	Paulding	132230003	72	67	71	75	72	62	59	65	103	70	71	72	69	64	62	59.0	60.1
Georgia	Pike	132319991		67	71	75	77	64	66	68	93		71	74	72	69	66		
Georgia	Richmond	132450091	76	65	72	72	72	63	61	60	106	71	69	72	69	65	61	59.2	60.9
Georgia	Rockdale	132470001	89	70	76	81	81	71	79	68	80	78	75	79	77	77	72	64.2	65.9
Georgia	Sumter	132611001	68	60	69	66	65	60	59	57	111	65	65	66	63	61	58	56.2	57.3
Hawaii	Honolulu	150031004	41	48	47	46	43	47	57	49	121	45	47	45	45	49	51		
Idaho	Ada	160010010	71	68	67	69	73	62	62	66	99	68	68	69	68	65	63		
Idaho	Ada	160010017		73	69	62	70	74	65	64	98		68	67	68	69	67	63.2	63.6
Idaho	Butte	160230101	67	58	62	63	66	60	62	61	104	62	61	63	63	62	61	60.8	61.5
Illinois	Adams	170010007	65	61	67	66	75	63	61	64	102	64	64	69	68	66	62	60.1	61.8
Illinois	Champaign	170190007		65	55	76	75	63	62	62	103		65	68	71	66	62	63.4	63.4
Illinois	Clark	170230001	60	66	66	68	72	61	63	63	101	64	66	68	67	65	62	60.8	60.8
Illinois	Cook	170310001	66	69	73	71	79	64	66	66	95	69	71	74	71	69	65	67.5	69.4
Illinois	Cook	170310032	67	65	74	79	91	71	67	64	96	68	72	81	80	76	67	63.7	66.4

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Illinois	Cook	170310076	66	67	68	73	81	62	67	65	95	67	69	74	72	70	64	67.0	69.2
Illinois	Cook	170311601	71	67	73	69	81	64	70	66	91	70	69	74	71	71	66	66.4	68.9
Illinois	Cook	170313103		67	73			62	63	58	106						61		
Illinois	Cook	170314002	60	67	68	72	83	63	63	61	103	65	69	74	72	69	62	57.9	59.8
Illinois	Cook	170314007	57	57	64	65	73	67	69	68	90	59	62	67	68	69	68	54.1	56.0
Illinois	Cook	170314201	65	40		76	87	69	65	68	94				77	73	67	62.3	64.2
Illinois	Cook	170317002	58	64	67	78	93	69	72	70	85	63	69	79	80	78	70	61.2	64.5
Illinois	DuPage	170436001	57	59	64	68	74	63	64	67	96	60	63	68	68	67	64	61.8	63.4
Hawaii	Honolulu	150030010		60	69	50	48	51	46				59	55	49	48			
Illinois	Effingham	170491001	63	67	72	66	73	64	63	64	100	67	68	70	67	66	63	62.0	63.5
Illinois	Hamilton	170650002	66	64	75	74	85	64	63	63	101	68	71	78	74	70	63	68.4	71.8
Illinois	Jersey	170831001	69	68	72	76	89	68	65	66	96	69	72	79	77	74	66	64.6	67.1
Idaho	Ada	160010019	71	62	64	60						65	62					57.7	57.7
Idaho	Ada	160010030	69			60													
Illinois	Jo Daviess	170859991		68	72	64	75	65	67	63	97		68	70	68	69	65	61.7	61.7
Idaho	Kootenai	160550003	58	56	56	58						56	56					51.2	51.2
Illinois	Kane	170890005	61	68	69	70	75	64	66	65	96	66	69	71	69	68	65	66.5	67.8
Illinois	Lake	170971007	69	75	78	76	93	72	73	70	84	74	76	82	80	79	71	65.0	67.2
Illinois	McHenry	171110001	65	66	65	71	77	65	67	64	96	65	67	71	71	69	65	65.2	66.5
Illinois	McLean	171132003	67	71	66	68	79	69	66	63	98	68	68	71	72	71	66	62.6	64.1
Illinois	Macon	171150013	66	67	69	75	76	64	67	66	94	67	70	73	71	69	65	62.8	64.3
Illinois	Macoupin	171170002	65	64	71	75	74	65	63	64	100	66	70	73	71	67	64	60.2	61.7
Illinois	Madison	171190008	68	67	80	76	84	72	72	69	86	71	74	80	77	76	71	65.6	68.2
Illinois	Madison	171191009	70	74	74	81	84	75	70	64	93	72	76	79	80	76	69	67.5	69.0
Illinois	Madison	171193007	67	66	70	81	87	69	70	69	88	67	72	79	79	75	69	65.4	67.3
Illinois	Madison	171199991		66	70	76	83	71	68	67	92		70	76	76	74	68	64.4	64.4
Illinois	Peoria	171430024	60	53	59	66	65	58	64	60	103	57	59	63	63	62	60	56.3	57.4
Illinois	Peoria	171431001	67	69	69	69	78	66	64	64	99	68	69	72	71	69	64	64.5	65.7
Illinois	Randolph	171570001	65	59	65	66	81	65	71	65	91	63	63	70	70	72	67	61.3	63.3
Illinois	Rock Island	171613002	58	58	57	55	66	60	62	60	105	57	56	59	60	62	60	53.1	54.6
Illinois	Saint Clair	171630010	64	69	72	76	83	66	67	66	94	68	72	77	75	72	66	65.1	67.1

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Illinois	Sangamon	171670014			69	79	76	62	59	64	104			74	72	65	61	62.3	62.3
Illinois	Will	171971011	60	63	65	61	71	61	64	64	99	62	63	65	64	65	63	58.9	59.8
Illinois	Winnebago	172012001	60	67	63	68	74	63	70	66	91	63	66	68	68	69	66	62.1	62.7
Indiana	Allen	180030002	66	65	65	70	77	62	63	62	102	65	66	70	69	67	62	61.6	63.2
Indiana	Allen	180030004	69	65	68	72	74	62	63	59	105	67	68	71	69	66	61	62.6	64.2
Indiana	Bartholomew	180050007		65	68			66	67	66	94						66		
Indiana	Boone	180110001	73	69	72	71	80	68	66	64	97	71	70	74	73	71	66	65.4	66.9
Indiana	Carroll	180150002	65	63	72	68	75	65	64	64	99	66	67	71	69	68	64	62.3	64.1
Indiana	Clark	180190008	75	67	77	82	85	67	66	74	87	73	75	81	78	72	69	70.6	73.3
Indiana	Delaware	180350010	62	68	67	70	75	61	54	58	115	65	68	70	68	63	57	61.5	62.6
Indiana	Elkhart	180390007	68	61	65	72	75	55	55	58	114	64	66	70	67	61	56	60.7	62.8
Indiana	Floyd	180431004	75	63	72	80	87	68	66	67	94	70	71	79	78	73	67	69.4	72.1
Indiana	Greene	180550001	72	68	74	80	82	68	64	67	96	71	74	78	76	71	66	72.6	73.5
Indiana	Hamilton	180570006			71	71	76	63	58	63	106			72	70	65	61	64.0	64.9
Indiana	Hancock	180590003	74	68	71	68	63	61	53	62	112	71	69	67	64	59	58	60.0	62.1
Indiana	Hendricks	180630004	68	70	67	68	71	57	57	55	115	68	68	68	65	61	56	61.0	61.9
Indiana	Huntington	180690002	60	62	62	69	67	59	56	54	117	61	64	66	65	60	56	58.9	59.8
Indiana	Jackson	180710001	70	63	69	67	65	63	64	64	99	67	66	67	65	64	63	61.4	62.4
Indiana	Johnson	180810002	69	71	70	68	74	62	56	63	108	70	69	70	68	64	60	62.2	63.1
Indiana	Knox	180839991		71	70	77	79	64	62	63	102		72	75	73	68	63	68.8	68.8
Indiana	Lake	180890022	62	58	64	66	78	64	67	64	96	61	62	69	69	69	65	60.2	62.3
Indiana	Lake	180890030	62	62	69	69	81	62	65	70	92	64	66	73	70	69	65	61.3	64.2
Indiana	Lake	180892008	68	65	69	72	77	63	67	61	99	67	68	72	70	69	63	59.8	59.8
Indiana	LaPorte	180910005	59	66	70	80	100	69	70	67	90	65	72	83	83	79	68	71.4	74.7
Indiana	LaPorte	180910010	65	63	67	70	79	64	61	61	105	65	66	72	71	68	62	63.9	66.0
Indiana	Madison	180950010	65	64	65	71	74	63	54	54	119	64	66	70	69	63	57	60.6	62.1
Indiana	Marion	180970050	75	73	72	77	75	59	66	69	92	73	74	74	70	66	64	65.4	66.6
Indiana	Marion	180970057	67	67	68	68	77	62	66	61	100	67	67	71	69	68	63	63.4	65.2
Indiana	Marion	180970073	66	65	66	75	82	67	65	62	100	65	68	74	74	71	64	65.3	67.1
Indiana	Marion	180970078		67	64	72	76	69	61	68	98		67	70	72	68	66	64.0	66.2
Indiana	Morgan	181090005	69	69	63	72	73	65	64	61	102	67	68	69	70	67	63	60.7	61.6

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Indiana	Perry	181230009	73	65	72	74	81	64	67	67	93	70	70	75	73	70	66	68.5	70.7
Indiana	Porter	181270024	69	67	67	68	81	69	71	66	90	67	67	72	72	73	68	62.5	64.0
Indiana	Porter	181270026	61	64	61	63	67	63	67	60	100	62	62	63	64	65	63	58.4	59.4
Indiana	Posey	181290003	69	67	69	76	70	65	65	67	95	68	70	71	70	66	65	65.5	66.2
Indiana	St. Joseph	181410010	63	60	60	64	70	57	59	58	110	61	61	64	63	62	58	56.4	57.6
Indiana	St. Joseph	181410015	58	59	61	73	81	65	67	66	94	59	64	71	73	71	66	62.5	65.8
Indiana	St. Joseph	181410016		59	61		77	59	64	64	99					66	62		
Indiana	Shelby	181450001	70	75	67	75	84	66	62	59	106	70	72	75	75	70	62	66.8	67.7
Indiana	Vanderburgh	181630013	72	68	71	72	78	68	70	68	89	70	70	73	72	72	68	67.4	68.6
Indiana	Vanderburgh	181630021	74	61	64	77	80	66	68	72	87	66	67	73	74	71	68	69.4	69.4
Indiana	Vigo	181670018	59	58	63	67	75	61	62	64	101	60	62	68	67	66	62	58.5	60.5
Indiana	Vigo	181670024	66	61	63	70	67	66	56	62	109	63	64	66	67	63	61	57.2	57.2
Indiana	Wabash	181699991		61	63	74	79	68	66	68	93		66	72	73	71	67		
Indiana	Warrick	181730008	71	64	71	75	73	63	65	69	93	68	70	73	70	67	65	66.5	68.4
Indiana	Warrick	181730009	64	64	70	72	75	61	64	62	101	66	68	72	69	66	62	65.8	68.0
Indiana	Warrick	181730011	60	57	70	72	81	66	66	65	96	62	66	74	73	71	65	67.0	69.8
Iowa	Bremer	190170011	65	60	63			60	61	59	107	62					60	57.6	58.5
Iowa	Clinton	190450021	63	64	64			62	65	61	101	63					62	60.6	61.8
Iowa	Harrison	190850007		63	67			65	63	61	103						63	59.4	60.6
Iowa	Harrison	190851101	59	64	67			65	62	61	104	63					62	60.3	61.5
Iowa	Linn	191130028	63	60	64			60	59	62	106	62					60	58.4	60.0
Iowa	Linn	191130033	63	61	64			60	61	60	106	62					60	57.3	58.2
Iowa	Linn	191130040		60	62			59	59	60	108						59	56.7	57.9
Iowa	Montgomery	191370002	60	60	67			60	59	60	108	62					59	59.0	60.5
Iowa	Palo Alto	191471002	51	62	67			64	63	64	100	60					63	60.6	61.8
Iowa	Polk	191530030	57	56	57			58	61	60	106	56					59	53.1	54.2
Iowa	Scott	191630014	63	64	64			59	64	63	100	63					62	57.1	57.1
Iowa	Scott	191630015		64	64			60	59	59	109						59	60.1	61.0
Iowa	Story	191690011	58	57	61			61	62	59	106	58					60	54.1	54.8
Iowa	Van Buren	191770006	60	60	68			63	63	57	107	62					61	59.2	61.3
Iowa	Warren	191810022	59	61	64			59	60	59	108	61					59	56.7	57.8

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Kansas	Johnson	200910010	62	63	71	73	84	64	62	62	103	65	69	76	73	70	62	66.0	69.0
Kansas	Leavenworth	201030003	64	63	70	74	80	66	68	60	99	65	69	74	73	71	64	63.4	65.2
Kansas	Sedgwick	201730010	67	72	75	76	80	71	69	64	94	71	74	77	75	73	68	67.8	69.3
Kansas	Sedgwick	201730018	58	69	72	80	80	71	68	63	96	66	73	77	77	73	67	67.8	69.0
Kansas	Shawnee	201770013	65	61	69	75	79	66	64	62	101	65	68	74	73	69	64	63.6	65.6
Kansas	Sumner	201910002	68	73	75	77	81	71	67	65	95	72	75	77	76	73	67	68.8	69.7
Kansas	Trego	201950001	64	66	71	77	74	67	68	63	96	67	71	74	72	69	66	67.6	69.2
Kansas	Wyandotte	202090021	63	62	58	62	82	66	63	63	101	61	60	67	70	70	64	59.1	62.9
Kentucky	Bell	210130002	70	60	68	62	66	58	62	59	106	66	63	65	62	62	59	55.3	56.8
Kentucky	Boone	210150003	64	64	67	70	74	59	62	62	103	65	67	70	67	65	61	62.6	64.5
Kentucky	Boyd	210190017	73	66	72	70	74	65	65	69	93	70	69	72	69	68	66	62.8	64.6
Kentucky	Bullitt	210290006	69	64	74	72	80	64	65	67	95	69	70	75	72	69	65	66.4	68.9
Kentucky	Campbell	210373002	75	68	73	80	84	72	71	71	85	72	73	79	78	75	71	71.4	73.6
Kentucky	Carter	210430500	72	63	71	66	71	62	60	62	105	68	66	69	66	64	61	59.6	61.4
Kentucky	Christian	210470006	69	66	74	70	75	62	65	60	102	69	70	73	69	67	62	65.1	67.2
Kentucky	Daviess	210590005	72	67	72	80	87	66	64	65	98	70	73	79	77	72	65	72.5	75.0
Kentucky	Edmonson	210610501	70	65	75	71	81	63	65	63	99	70	70	75	71	69	63	63.1	65.8
Kentucky	Fayette	210670012	70	63	71	75	78	60	65	71	91	68	69	74	71	67	65	63.1	65.5
Kentucky	Greenup	210890007	74	63	71	71	76	60	61	66	100	69	68	72	69	65	62	63.0	65.1
Kentucky	Hancock	210910012	72	69	73	75	81	63	66	71	90	71	72	76	73	70	66	68.9	71.1
Kentucky	Hardin	210930006	74	66	71	69	79	62	62	66	99	70	68	73	70	67	63	64.1	66.5
Kentucky	Henderson	211010014	74	71	74	77	87	66	69	69	89	73	74	79	76	74	68	72.0	74.5
Kentucky	Jefferson	211110027	72	68	75	81	86	64	65	78	84	71	74	80	77	71	69	70.7	73.4
Kentucky	Jefferson	211110051	75	78	74	82	81	64	69	69	89	75	78	79	75	71	67	72.6	74.2
Michigan	Allegan	260050003	73	76	73	85	95	78	77	73	77	74	78	84	86	83	76	75.5	78.5
Kentucky	Jessamine	211130001	69	65	69	72	77	61	64	66	97	67	68	72	70	67	63	59.5	61.3
Kentucky	Livingston	211390003	65	66	67	71	87	65	65	63	99	66	68	75	74	72	64	65.8	68.2
Kentucky	McCracken	211451024	71	66	73	71	87	64	65	63	99	70	70	77	74	72	64	67.8	70.8
Kentucky	Morgan	211759991		66	73	68	70	58	64	64	99		69	70	65	64	62		
Pennsylvania	Philadelphia	421010024	87	72	88	89	85	68	72	78	77	82	83	87	80	75	72	75.1	78.4
Kentucky	Perry	211930003	73	62	71	63	70	58	61	57	109	68	65	68	63	63	58	59.9	62.3

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Kentucky	Pike	211950002	71	62	70	66	68	55	63	58	106	67	66	68	63	62	58	59.8	61.8
Kentucky	Pulaski	211990003	66	61	66	67	75	61	63	62	102	64	64	69	67	66	62	55.9	57.8
Kentucky	Simpson	212130004	71	66	73	71	71	59	63	67	97	70	70	71	67	64	63	60.0	61.4
Kentucky	Warren	212270009		58	68		79	60	63	61	103					67	61		
Kentucky	Washington	212299991		58	68	68	76	64	65	64	98		64	70	69	68	64	61.7	61.7
Louisiana	Ascension	220050004	74	74	78	80	71	62	69	74	84	75	77	76	71	67	68	67.1	69.2
Louisiana	Bossier	220150008	66	77	79	86	71	67	66	63	98	74	80	78	74	68	65	69.3	71.7
Louisiana	Caddo	220170001	72	69	77	80	71	69	65	66	96	72	75	76	73	68	66	67.1	68.3
Louisiana	Calcasieu	220190002	69	77	78	72	72	65	67	72	88	74	75	74	69	68	68	69.0	71.6
Louisiana	Calcasieu	220190008	56	62	71	69	68	64	62	37	128	63	67	69	67	64		63.1	64.3
Louisiana	Calcasieu	220190009	73	77	73	74	71	67	66	66	95	74	74	72	70	68	66	66.5	68.4
Louisiana	East Baton Rouge	220330003	72	84	80	83	75	67	75	73	79	78	82	79	75	72	71	71.2	74.2
Louisiana	East Baton Rouge	220330009	67	76	76	80	72	66	70	69	88	73	77	76	72	69	68	67.8	69.6
Louisiana	East Baton Rouge	220330013	74	72	71	75	70	62	68	62	97	72	72	72	69	66	64	63.2	64.1
Louisiana	Iberville	220470009	76	71	74	79	74	61	61	69	97	73	74	75	71	65	63	65.8	67.4
Louisiana	Iberville	220470012	73	76	72	84	73	68	68	75	84	73	77	76	75	69	70	68.9	69.8
Louisiana	Jefferson	220511001	70	74	81	74	71	66	71	68	88	75	76	75	70	69	68	68.6	70.7
Louisiana	Lafayette	220550007	73	70	74	73	70	66	68	67	92	72	72	72	69	68	67	63.9	64.8
Louisiana	Lafourche	220570004	74	67	74	76	72	65	67	64	96	71	72	74	71	68	65	66.2	67.7
Louisiana	Livingston	220630002	75	75	76	77	71	69	73	70	84	75	76	74	72	71	70	66.8	68.6
Louisiana	Orleans	220710012	71	70	72	70	70	64	68	32	127	71	70	70	68	67		64.1	64.7
Louisiana	Ouachita	220730004	57	66	70	63	58	62	59	60	108	64	66	63	61	59	60	57.6	60.1
Louisiana	Pointe Coupee	220770001	77	73	75	78	78	66	71	69	87	75	75	77	74	71	68	66.4	67.9
Louisiana	St. Bernard	220870004		73	75	76	69	63	71	63	93		74	73	69	67	65	63.8	63.8
Louisiana	St. Charles	220890003	67	70	75	71	68	62	67	38	122	70	72	71	67	65		64.9	66.7
Louisiana	St. James	220930002	69	67	69	73	65	62	67	66	94	68	69	69	66	64	65	62.4	63.3
Louisiana	St. John the Baptist	220950002	71	77	73	76	77	64	68	67	92	73	75	75	72	69	66	67.7	68.6
Louisiana	St. Tammany	221030002	79	71	76	77	70	71	74	67	86	75	74	74	72	71	70	67.3	68.0
Louisiana	West Baton Rouge	221210001	72	72	71	74	70	60	66	66	95	71	72	71	68	65	64	63.5	65.1
Maine	Androscoggin	230010014	70	67	58	63	61	59	65	58	104	65	62	60	61	61	60	54.5	55.4
Maine	Aroostook	230031100	54	54	51	51	51	52	49	54	124	53	52	51	51	50	51		

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Maine	Aroostook	230039991		54	51	45	57	53	51	55	121		50	51	51	53	53		
Maine	Cumberland	230052003	69	70	72	70	66	72	66	64	97	70	70	69	69	68	67	61.8	62.5
Maine	Hancock	230090102	74	74	76	74	66	68	65	70	92	74	74	72	69	66	67	64.9	66.9
Maine	Hancock	230090103	64	73	70	66	60	69	62	65	100	69	69	65	65	63	65	59.6	62.1
Maine	Kennebec	230112005	68	66	59	63	64	65	57	63	107	64	62	62	64	62	61	55.2	56.3
Maine	Knox	230130004	61	69	70	68	62	76	62	67	98	66	69	66	68	66	68	60.3	61.4
Maine	Oxford	230173001	59	57	54	54	56	52	53	53	121	56	55	54	54	53	52	48.8	49.4
Maine	Penobscot	230194008	62	57	59	55	58	64	54	57	116	59	57	57	59	58	58	51.1	52.3
Maine	Sagadahoc	230230006	65	63	61	61	62	61	58	57	112	63	61	61	61	60	58	53.8	53.8
Maine	Washington	230290019	58	61	61	57	57	62	54	62	111	60	59	58	58	57	59	53.3	53.9
Maine	Washington	230290032	56	57	53	53	52	56	50	53	124	55	54	52	53	52	53	49.4	49.4
Maine	York	230310038	61	62	58	59	65	63	59	58	110	60	59	60	62	62	60	53.4	54.9
Maine	York	230310040	57	63	66	64	65	64	61	62	104	62	64	65	64	63	62	57.0	57.6
Maine	York	230312002	73	72	72	73	77	76	66	67	94	72	72	74	75	73	69	65.3	66.4
Maryland	Anne Arundel	240030014	81	70	87	87	87	71	66	71	90	79	81	87	81	74	69	71.7	75.1
Maryland	Baltimore	240051007	87	68	78	86	82	68	67	78	82	77	77	82	78	72	71	70.9	73.6
New Jersey	Middlesex	340230011	83	67	86	87	82	70	71	77	79	78	80	85	79	74	72	73.0	76.3
Maryland	Calvert	240090011	77	68	87	82	82	67	70	67	90	77	79	83	77	73	68	70.7	73.7
Maryland	Carroll	240130001	78	68	83	79	75	68	64	70	93	76	76	79	74	69	67	67.4	69.8
Maryland	Cecil	240150003	88	72	82	89	87	72	74	74	79	80	81	86	82	77	73	72.2	74.9
Maryland	Charles	240170010	78	66	82	85	84	64	67	68	92	75	77	83	77	71	66	67.5	71.0
Maryland	Dorchester	240190004		66	82		88	67	65	61	101					73	64		
Maryland	Dorchester	240199991		66	82	82	77	68	65	65	97		76	80	75	70	66	67.0	67.0
Maryland	Frederick	240210037	75	69	83	77	78	69	63	70	94	75	76	79	74	70	67	67.8	70.2
Maryland	Garrett	240230002	72	65	78	70	78	64	63	67	97	71	71	75	70	68	64	62.1	64.7
Maryland	Harford	240251001	89	83	96	98	86	72	67	74	86	89	92	93	85	75	71	81.3	84.0
Maryland	Harford	240259001	87	69	80	85	83	68	70	73	84	78	78	82	78	73	70	69.5	71.8
Maryland	Kent	240290002	85	66	74	84	89	67	68	72	87	75	74	82	80	74	69	68.2	71.1
Maryland	Montgomery	240313001	76	70	77	81	73	69	64	72	91	74	76	77	74	68	68	66.9	68.0
Maryland	Prince George's	240330030	81	70	85	83	79	68	65	72	90	78	79	82	76	70	68	68.9	71.5
Maryland	Prince George's	240338003	79	67	85	86	90	69	69	69	89	77	79	87	81	76	69	70.4	74.4

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Maryland	Prince George's	240339991		67	85	84	84	72	69	67	91		78	84	80	75	69	69.5	69.5
Maryland	Washington	240430009	75	65	78	74	74	67	61	67	99	72	72	75	71	67	65	64.8	66.8
Maryland	Baltimore (City)	245100054	62	66	74	82	71	63	60	72	95	67	74	75	72	64	65	67.9	69.1
Massachusetts	Barnstable	250010002	75	71	78	68	79	71	59	71	97	74	72	75	72	69	67	65.0	66.8
Massachusetts	Bristol	250051004		69	77		78	78	60	70	97					72	69		
Massachusetts	Bristol	250051006		69	77			66	58	67	102						63		
Massachusetts	Dukes	250070001	83	71	80	78	82	65	59	68	100	78	76	80	75	68	64	70.2	72.9
Massachusetts	Essex	250092006	78	73	72	69	72	73	63	65	99	74	71	71	71	69	67	62.8	62.8
Massachusetts	Essex	250094005			66	66	74	71	64	65	98			68	70	69	66	62.2	62.2
Massachusetts	Essex	250095005	73	70	71	66	74	68	64	59	104	71	69	70	69	68	63	61.5	62.1
Massachusetts	Hampden	250130008	78	76	74	74	74	71	65	70	92	76	74	74	73	70	68	65.1	65.4
Massachusetts	Hampshire	250154002	79	76	76	66	76	69	68	71	88	77	72	72	70	71	69	62.7	63.4
Massachusetts	Middlesex	250170009	69	68	69	64	72	67	64	61	102	68	67	68	67	67	64	59.7	60.3
Massachusetts	Norfolk	250213003	76	71	73	73	74	71	67	67	93	73	72	73	72	70	68	64.3	65.0
Massachusetts	Suffolk	250250042	62	62	63	60	62	59	54	56	117	62	61	61	60	58	56	53.6	53.8
Massachusetts	Worcester	250270015	81	77	70	65	70	67	65	63	99	76	70	68	67	67	65	60.1	61.6
Massachusetts	Worcester	250270024		71	71	68	70	68	64	62	101		70	69	68	67	64	60.5	61.4
New Jersey	Ocean	340290006	85	71	87	85	85	70	72	75	80	81	81	85	80	75	72	73.9	76.6
Michigan	Benzie	260190003	66	69	72	71	83	69	69	66	92	69	70	75	74	73	68	66.4	68.2
Michigan	Berrien	260210014	73	70	72	83	91	74	73	71	83	71	75	82	82	79	72	73.7	75.8
Michigan	Cass	260270003	71	72	69	81	84	71	66	67	94	70	74	78	78	73	68	68.6	69.7
Michigan	Chippewa	260330901			53	56	78	60	58	59	110			62	64	65	59	58.1	58.6
Michigan	Clinton	260370001	68	64	65	70	79	64	66	63	98	65	66	71	71	69	64	61.4	62.9
Michigan	Genesee	260490021	68	66	70	73	85	65	68	66	93	68	69	76	74	72	66	66.1	68.8
Michigan	Genesee	260492001	69	69	66	73	83	67	68	65	94	68	69	74	74	72	66	65.2	66.8
Michigan	Huron	260630007	66	66	69	70	83	64	66	66	95	67	68	74	72	71	65	65.5	67.9
Michigan	Ingham	260650012	70	69	65	70	80	66	65	64	98	68	68	71	72	70	65	62.5	64.0
Michigan	Kalamazoo	260770008	70	71	67	75	84	68	67	67	93	69	71	75	75	73	67	66.0	67.1
Michigan	Kent	260810020	66	66	69	75	81	68	66	67	94	67	70	75	74	71	67	65.4	67.2
Michigan	Kent	260810022	69	71	67	76	78	68	66	64	97	69	71	73	74	70	66	64.2	65.4
Michigan	Lenawee	260910007	72	67	66	76	87	64	68	64	95	68	69	76	75	73	65	67.3	67.7

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Michigan	Macomb	260990009	73	73	76	78	81	72	71	71	85	74	75	78	77	74	71	71.3	72.6
Michigan	Macomb	260991003	72	73	74	82	83	66	68	64	95	73	76	79	77	72	66	72.7	74.2
Michigan	Manistee	261010922	65	68	68	72	82	69	66	66	95	67	69	74	74	72	67	65.7	67.3
Michigan	Mason	261050007	68	68	70	72	85	68	70	66	91	68	70	75	75	74	68	66.3	67.9
Michigan	Missaukee	261130001	66	65	65	67	78	65	63	64	100	65	65	70	70	68	64	62.1	63.6
Michigan	Muskegon	261210039	72	74	76	79	91	73	75	74	78	74	76	82	81	79	74	72.2	74.3
Michigan	Oakland	261250001	74	73	73	80	81	67	67	66	94	73	75	78	76	71	66	70.1	71.7
Michigan	Ottawa	261390005	67	70	72	79	84	70	71	65	91	69	73	78	77	75	68	68.3	70.1
Michigan	St. Clair	261470005	67	71	76	75	80	71	71	73	83	71	74	77	75	74	71	69.3	70.8
Michigan	Schoolcraft	261530001	64	63	75	67	84	67	68	69	90	67	68	75	72	73	68	65.0	68.0
Michigan	Tuscola	261579991		63	75	71	78	63	63	64	100		69	74	70	68	63		
Michigan	Washtenaw	261610008	69	65	66	77	85	65	70	64	93	66	69	76	75	73	66	66.9	69.4
Michigan	Washtenaw	261619991		65	66	68	83	66	67	65	95		66	72	72	72	66		
Michigan	Wayne	261630001	67	63	69	77	77	64	64	64	99	66	69	74	72	68	64	65.4	67.5
Kentucky	Jefferson	211110067			85	82	90	65	70	76	81			85	79	75	70	75.8	78.6
Michigan	Wexford	261659991		73	78	63	70	66	66	64	97		71	70	66	67	65		
Minnesota	Anoka	270031001	58	61	65	63	74	65	62	58	107	61	63	67	67	67	61	60.3	60.3
Minnesota	Anoka	270031002	57	63	67	65	71	67	64	64	99	62	65	67	67	67	65	61.4	62.0
Minnesota	Becker	270052013	59	57	62	58	64	63	61	62	104	59	59	61	61	62	62		
Minnesota	Carlton	270177416	56	55	57	50	59	59	55	44	128	56	54	55	56	57			
Minnesota	Crow Wing	270353204	62	59	60	64	62	60	57	60	110	60	61	62	62	59	59	55.8	55.8
Minnesota	Goodhue	270495302	63	59	60	63	65	62	63	60	104	60	60	62	63	63	61	56.7	57.2
Minnesota	Hennepin	270530962		59	60			63	60	53	114						58		
Minnesota	Lake	270750005	58	58	61	56	62	58	56	56	115	59	58	59	58	58	56		
Minnesota	Lyon	270834210	60	62	65	62	67	66	62	67	98	62	63	64	65	65	65		
Minnesota	Mille Lacs	270953051	58	56	59	63	59	60	60	59	108	57	59	60	60	59	59	53.3	53.5
Minnesota	Olmsted	271095008	62	59	61	61	69	64	62	59	106	60	60	63	64	65	61	57.1	57.6
Minnesota	Saint Louis	271370034	59	62	67	59	63	57	57	57	113	62	62	63	59	59	57		
Minnesota	Saint Louis	271377550	56	50	51	46	54	52	52	54	121	52	49	50	50	52	52	45.5	45.7
Minnesota	Scott	271390505	60	60	60	61	67	67	61	60	106	60	60	62	65	65	62	58.0	59.4
Minnesota	Stearns	271453052	55	55	58	62	64	61	62	60	105	56	58	61	62	62	61	56.6	57.0

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Minnesota	Washington	271636016		63	62		65	61	61	58	108					62	60		
Minnesota	Wright	271713201	59	60	63	63	66	61	64	59	104	60	62	64	63	63	61	58.9	59.4
Mississippi	Bolivar	280110001	65	66	73	73	76	65	60	63	104	68	70	74	71	67	62	65.0	67.1
Mississippi	DeSoto	280330002	74	71	76	72	75	65	67	61	99	73	73	74	70	69	64	62.5	64.0
Mississippi	Hancock	280450003		64	68	68	67	63	69	60	98		66	67	66	66	64	58.3	58.9
Mississippi	Harrison	280470008	78	79	73	74	73	62	73	67	87	76	75	73	69	69	67	62.0	64.3
Mississippi	Hinds	280490020			38			60	64	61	102						61		
Mississippi	Jackson	280590006	76	73	73	72	74	66	75	65	87	74	72	73	70	71	68	64.5	65.6
Mississippi	Lauderdale	280750003	64	58	62	66	63	61	58	56	113	61	62	63	63	60	58	54.6	54.9
Mississippi	Lee	280810005	68	63	68	64	67	61	59	58	110	66	65	66	64	62	59	55.9	56.8
Mississippi	Yalobusha	281619991		63	68	63	69	57	62	56	109		64	66	63	62	58	55.4	55.4
Missouri	Andrew	290030001		66	72	80	75	66	64	64	99		72	75	73	68	64	64.8	66.3
Missouri	Boone	290190011		60	69	69	78	62	64	63	100		66	72	69	68	63	62.0	64.7
Missouri	Callaway	290270002		60	68	68	75	61	64	65	98		65	70	68	66	63	60.0	62.0
Missouri	Cass	290370003	66	64	67	72	78	64	65	65	97	65	67	72	71	69	64	62.8	64.6
Missouri	Cedar	290390001	67	62	68	74	81	64	65	61	101	65	68	74	73	70	63	64.4	66.5
Missouri	Clay	290470003	69	74	73	80	86	67	67	64	96	72	75	79	77	73	66	69.0	70.8
Missouri	Clay	290470005	70	72	70	79	84	67	65	62	100	70	73	77	76	72	64	67.7	69.2
Missouri	Clay	290470006	69	72	76	78	86	71	66	68	93	72	75	80	78	74	68	69.7	71.8
Missouri	Clinton	290490001	70	75	76	79	85	71	64	68	95	73	76	80	78	73	67	69.7	71.4
Missouri	Greene	290770036	67	62	66	73	75	62	60	61	106	65	67	71	70	65	61	61.9	63.4
Missouri	Greene	290770042	69	66	69	73	80	64	60	61	106	68	69	74	72	68	61	64.0	66.1
Missouri	Jasper	290970004		74	72	79	84	69	65	61	101		75	78	77	72	65	68.9	70.0
Missouri	Jefferson	290990019	70	70	77	75	85	69	72	69	86	72	74	79	76	75	70	67.1	69.4
Missouri	Lincoln	291130003	72	67	79	75	87	72	67	65	95	72	73	80	78	75	68	66.3	68.8
Missouri	Monroe	291370001	64	61	70	70	73	61	60	58	109	65	67	71	68	64	59	61.9	64.0
Missouri	Perry	291570001	70	71	77	73	83	65	67	68	92	72	73	77	73	71	66	66.7	69.1
Missouri	Saint Charles	291831002	76	71	84	84	92	71	72	70	85	77	79	86	82	78	71	70.1	73.3
Missouri	Saint Charles	291831004	72	73	77	77	86	71	72	66	89	74	75	80	78	76	69	68.0	70.0
Missouri	Sainte Genevieve	291860005	71	69	72	70	83	65	69	63	95	70	70	75	72	72	65	63.9	66.3
Missouri	Saint Louis	291890005	64	64	69	71		67	65	65	97	65	68				65	62.0	63.7

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Missouri	Saint Louis	291890014	69	69	76	80		70	72	69	86	71	75				70	67.9	70.5
Missouri	Taney	292130004			67	72	71	63	58	59	110			70	68	64	60	62.4	63.3
Missouri	St. Louis City	295100085	73	65	71	79	87	66	66	63	98	69	71	79	77	73	65	66.7	69.6
Montana	Fergus	300270006					36	54	56	56	115					48	55		
Montana	Flathead	300298001	57	55	55	55	55	54	52	51	124	55	55	55	54	53	52		
Montana	Lewis and Clark	300490004		55	55	57	53	54	58	58	111		55	55	54	55	56		
Montana	Missoula	300630024			54	53	57	57	53	55	119			54	55	55	55		
Montana	Phillips	300710010			54		54	53	52	61	114					53	55		
Montana	Powder River	300750001			56	54	56	56	53	57	117			55	55	55	55	53.4	53.4
Montana	Richland	300830001			56			56	51	58	118						55		
Montana	Rosebud	300870001			59	52	59	56	55	56	116			56	55	56	55	54.2	54.7
Nebraska	Douglas	310550019			59	66	71	66	63	62	102			65	67	66	63	61.1	61.1
Nebraska	Douglas	310550028	57	55	58	57	66	58	59	55	113	56	56	60	60	61	57	53.5	54.7
Nebraska	Knox	311079991		61	64	63	75	67	63	63	101		62	67	68	68	64		
Nebraska	Lancaster	311090016	51	53	50	53	58	55	61	63	103	51	52	53	55	58	59	48.6	50.1
Nevada	Churchill	320010002	68	60	62	54	52	64	65	38	124	63	58	56	56	60	55	54.2	55.4
Nevada	Clark	320030022	71	70	68	70	76	73	76	72	79	69	69	71	73	75	73		
Nevada	Clark	320030023	69	62	63	59	69	67	65	65	97	64	61	63	65	67	65		
Nevada	Clark	320030043	77	71	70	78	77	75	77	73	77	72	73	75	76	76	75	71.9	73.2
Nevada	Clark	320030071	76	74	73	77	78	74	74	68	85	74	74	76	76	75	72	72.1	72.8
Nevada	Clark	320030073	74	72	71	77	78	74	77	72	78	72	73	75	76	76	74	71.6	72.8
Nevada	Clark	320030075	80	74	74	77	79	76	79	71	77	76	75	76	77	78	75	71.5	72.4
Nevada	Clark	320030540		70	68	73	73	69	73	69	85		70	71	71	71	70	66.8	66.8
Nevada	Clark	320030601	71	71	69	70	77	71	73	70	84	70	70	72	72	73	71	68.6	68.6
Nevada	Clark	320031019	74	72	74	74	77	75	74	71	82	73	73	75	75	75	73	70.8	71.4
Nevada	Clark	320032002	68	72	68	72	76	72	75	73	79	69	70	72	73	74	73	67.1	68.3
Nevada	Lyon	320190006	69	58	63	72	71	64	67	39	121	63	64	68	69	67	56	64.6	65.1
Nevada	Washoe	320310016	76	65	67	62	72	69	71	73	83	69	64	67	67	70	71	62.3	63.3
Nevada	Washoe	320310020	67	62	67	66	72	67	68	70	89	65	65	68	68	69	68	63.3	64.2
Nevada	Washoe	320310025	75	64	70	64	67	68	67	69	91	69	66	67	66	67	68	62.5	63.2
Nevada	Washoe	320311005	75	64	68	67	71	66	69	70	88	69	66	68	68	68	68	63.1	63.8

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Nevada	Washoe	320312002	72	63	62	59	65	63	63	62	102	65	61	62	62	63	62	57.2	57.5
Nevada	Washoe	320312009	78	65	68	66	71	65	67	72	88	70	66	68	67	67	68	63.3	64.2
Nevada	White Pine	320330101	71	69	69	72	76	74	64	66	97	69	70	72	74	71	68	69.1	71.0
Nevada	Carson City	325100020		69	64			65	68	39	120						57		
New Hampshire	Belknap	330012004	70	62	64	61	65	60	61	55	111	65	62	63	62	62	58	55.7	56.3
New Hampshire	Cheshire	330050007	68	62	64	62	63	63	60	59	108	64	62	63	62	62	60	55.1	55.7
New Hampshire	Coos	330074001	75	68	73	68	71	69	65	73	89	72	69	70	69	68	69	63.1	63.8
New Hampshire	Coos	330074002	65	58	59	59	64	60	55	57	115	60	58	60	61	59	57	54.7	55.9
New Hampshire	Grafton	330090010	68	59	61	59	62	61	62	54	111	62	59	60	60	61	59	53.6	53.9
New Hampshire	Grafton	330099991		59	61	53	58	61	58	53	116		57	57	57	59	57		
New Hampshire	Hillsborough	330111011	67	66	67	65	68	68	63	61	103	66	66	66	67	66	64	58.8	59.4
New Hampshire	Hillsborough	330115001	76	72	77	62	73	67	70	66	91	75	70	70	67	70	67	61.7	62.6
New Hampshire	Merrimack	330131007	67	64	68	64	64	65	61	62	104	66	65	65	64	63	62	57.1	57.4
New Hampshire	Rockingham	330150014	69	70	66	64	70	66	68	65	94	68	66	66	66	68	66	58.5	58.5
New Hampshire	Rockingham	330150016	75	68	66	66	67	69	70	65	92	69	66	66	67	68	68	58.8	59.4
New Hampshire	Rockingham	330150018		68	66	68	69	67	67	62	98		67	67	68	67	65	60.4	60.4
New Jersey	Atlantic	340010006	72	71	80	73	76	70	61	67	99	74	74	76	73	69	66	66.0	67.5
New Jersey	Bergen	340030006	82	72	76	82	76	74	69	77	81	76	76	78	77	73	73	70.1	71.0
New Jersey	Camden	340070002		72	76		86	65	68	79	80					73	70		
New Jersey	Gloucester	340150002	89	71	83	92	87	73	70	76	81	81	82	87	84	76	73	75.1	77.5
New Jersey	Cumberland	340110007	79	72	77	66	84	61	67	68	92	76	71	75	70	70	65	64.2	66.8
New Jersey	Essex	340130003		64	85	81	80	69	70	72	85		76	82	76	73	70	70.8	74.5
Pennsylvania	Allegheny	420031005	85	77	83	80	85	76	71	74	82	81	80	82	80	77	73	75.3	76.5
New Jersey	Hudson	340170006	81	69	82	78	74	66	72	77	78	77	76	78	72	70	71	70.5	71.4
New Jersey	Hunterdon	340190001	85	70	81	81	78	73	65	73	89	78	77	80	77	72	70	69.5	71.3
New Jersey	Mercer	340210005	79	71	86	79	80	70	71	73	83	78	78	81	76	73	71	70.6	73.0
New Jersey	Mercer	340219991		71	86	80	81	69	71	75	81		79	82	76	73	71	68.4	68.4
Kentucky	Oldham	211850004	77	68	78	90	92	64	68	75	84	74	78	86	82	74	69	73.7	77.3
New Jersey	Monmouth	340250005	83	72	86	81	83	71	64	77	86	80	79	83	78	72	70	73.1	75.8
New Jersey	Morris	340273001	81	68	78	81	76	73	68	70	89	75	75	78	76	72	70	69.1	70.6
Michigan	Wayne	261630019	76	73	78	83	83	67	73	68	86	75	78	81	77	74	69	74.0	76.2

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
New Jersey	Passaic	340315001	76	69	77	75	73	69	65	71	91	74	73	75	72	69	68	67.8	69.4
New Jersey	Warren	340410007		69	77	70	69	61	60	66	101		72	72	66	63	62	57.6	57.6
New Mexico	Bernalillo	350010023	65	63	66	70	70	70	64	65	98	64	66	68	70	68	66	62.8	64.6
New Mexico	Bernalillo	350010024	67	66	66	72	72	68	64	59	104	66	68	70	70	68	63	64.0	64.6
New Mexico	Bernalillo	350010029	67	67	65	71	72	67	64	68	95	66	67	69	70	67	66	63.9	65.1
New Mexico	Bernalillo	350010032		46	68	73	71	67	64	60	103		62	70	70	67	63	64.7	64.7
New Mexico	Bernalillo	350011012	70	67	69	76	77	65	61	66	100	68	70	74	72	67	64	67.1	69.0
New Mexico	Dona Ana	350130008	71	63	60	63	74	64	65	70	92	64	62	65	67	67	66	60.4	62.5
Nevada	Clark	320030020	71	72	67	54	52					70	64						
New Mexico	Dona Ana	350130017	65	63	66	67	73	62	67	57	103	64	65	68	67	67	62	62.0	63.2
New Mexico	Dona Ana	350130020	67	67	65	70	67	70	67	65	95	66	67	67	69	68	67	62.9	64.1
New Mexico	Dona Ana	350130021	74	66	70	72	75	71	72	74	81	70	69	72	72	72	72	66.0	67.0
New Mexico	Dona Ana	350130022	72	65	64	70	77	80	66	70	91	67	66	70	75	74	72	65.5	69.9
Nevada	Clark	320030072	78	72	61	77	78					70	70						
New Mexico	Dona Ana	350130023	65	60	64	67	66	64	66	66	95	63	63	65	65	65	65	60.4	61.0
New Mexico	Eddy	350151005	67	66	70	71	73	69	72	67	88	67	69	71	71	71	69	69.6	70.3
Nevada	Clark	320030538	71	70	68	73	74	71	68			69	70	71	72	71		66.8	67.8
New Mexico	Lea	350250008	67	58	53	72	59	68	68	72	87	59	61	61	66	65	69	62.7	66.0
New Mexico	Sandoval	350431001	57	62	62	61	62	67	62	66	99	60	61	61	63	63	65	58.2	59.4
New Mexico	San Juan	350450009	63	52	65	66	70	69	62	61	104	60	61	67	68	67	64	62.3	64.9
Nevada	Clark	320031021	74	71	60	74	77					68	68						
New Mexico	San Juan	350450018	69	61	69	74	71	70	63	66	98	66	68	71	71	68	66	67.7	67.7
New Mexico	San Juan	350451005	69	59	63	68	71	65	63	59	105	63	63	67	68	66	62	62.1	64.0
New Mexico	Santa Fe	350490021	66	59	64	64	68	68	64	61	102	63	62	65	66	66	64	61.7	63.3
New Mexico	Valencia	350610008		60	63	68	71	72	64	64	99		63	67	70	69	66	63.8	65.1
New York	Albany	360010012	77	64	73	65	73	64	61	63	103	71	67	70	67	66	62	61.4	63.2
New York	Bronx	360050110	77	63	62		68	71	71	63	93	67				70	68		
New York	Bronx	360050133	78	65	73	79	76	68	70	70	87	72	72	76	74	71	69	71.5	73.4
New York	Chautauqua	360130006	84	68	80	69	81	66	66	71	90	77	72	76	72	71	67	66.0	68.4
New York	Dutchess	360270007	81	68	76	72	75	65	68	67	92	75	72	74	70	69	66	63.7	65.4
Nevada	Carson City	325100002	74	69	64	64	72					69	65					62.7	62.7

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
New York	Erie	360290002	76	67	72	68	79	71	63	71	93	71	69	73	72	71	68	64.9	66.5
New York	Essex	360310003	71	66	72	64	71	63	65	56	106	69	67	69	66	66	61	61.9	63.4
New York	Essex	360319991		66	72	58	63	57	59	59	109		65	64	59	59	58		
New York	Franklin	360337003	61	60	31		37	52	54	46	127	50				47	50		
New York	Hamilton	360410005	70	68	68	64	70	63	58	60	109	68	66	67	65	63	60	60.0	60.9
New York	Herkimer	360430005	69	67	65	58	65	61	57	61	109	67	63	62	61	61	59	57.1	58.0
New York	Jefferson	360450002	71	68	77	69	77	66	59	65	103	72	71	74	70	67	63	65.9	68.0
New York	Monroe	360551007	78	59	72	66	75	64	58	65	104	69	65	71	68	65	62		
New York	New York	360610135	81	64	74	80	74	62	65	71	91	73	72	76	72	67	66	69.3	71.9
New York	Niagara	360631006	74	64	71	73	82	65	61	67	99	69	69	75	73	69	64	67.8	70.3
New York	Onondaga	360671015	70	61	73	69	74	65	63	63	101	68	67	72	69	67	63	63.3	65.8
New York	Orange	360715001	80	66	75	67	65	57	62	72	93	73	69	69	63	61	63	60.8	62.7
New York	Oswego	360750003	71	65	71	67	73	63	58	63	106	69	67	70	67	64	61	62.4	64.2
New York	Putnam	360790005	79	70	77	68	69	67	66	68	93	75	71	71	68	67	67	62.7	63.6
New Jersey	Camden	340071001	82	71	88	83	92	68	68	72	87	80	80	87	81	76	69	74.2	78.1
New York	Richmond	360850067	64	78	85	87	78	71	72	79	76	75	83	83	78	73	74	76.3	77.8
New York	Rockland	360870005		65	76	74	79	69	68	76	83		71	76	74	72	71	69.4	70.3
New York	Saratoga	360910004	78	68	71	66	68	62	61	61	105	72	68	68	65	63	61	60.4	61.3
New York	Steuben	361010003	69	62	68	67	66	61	58	59	110	66	65	67	64	61	59	60.1	61.7
New York	Suffolk	361030002	83	79	85	89	83	72	66	78	83	82	84	85	81	73	72	79.2	80.8
New York	Suffolk	361030004	83	71	75	80	83	78	64	76	87	76	75	79	80	75	72	71.9	73.8
New York	Suffolk	361030009	83	81	85	82	79	74	62	69	96	83	82	82	78	71	68	74.4	75.6
New York	Tompkins	361099991		81	85	63	73	65	59	64	104		76	73	67	65	62		
New York	Wayne	361173001	73	61	71	58	72	66	64	61	102	68	63	67	65	67	63	59.8	61.7
New York	Westchester	361192004	82	75	75	76	79	72	74	73	80	77	75	76	75	75	73	69.9	70.5
North Carolina	Alexander	370030005		63	71			50	64	65	98						59		
North Carolina	Avery	370119991		61	71	62	65	64	62	62	103		64	66	63	63	62	54.2	54.2
North Carolina	Buncombe	370210030	71	64	71	67	67	61	64	65	98	68	67	68	65	64	63	56.8	57.9
North Carolina	Caldwell	370270003	72	64	71	66	64	62	61	65	101	69	67	67	64	62	62	55.7	56.6
North Carolina	Carteret	370319991		64	71	63	58	62	62	58	107		66	64	61	60	60		
North Carolina	Caswell	370330001	80	67	73	70	77	62	67	60	100	73	70	73	69	68	63	59.9	61.8

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
North Carolina	Chatham	370370004	71	63	70	67	60	57	61	58	108	68	66	65	61	59	58	53.9	55.6
North Carolina	Cumberland	370510008	75	65	71	73	68	62	61	60	106	70	69	70	67	63	61	59.3	60.4
New Mexico	Bernalillo	350010019	69			70	69												
North Carolina	Durham	370630015	76	66	74	70	74	62	62	62	103	72	70	72	68	66	62	58.0	59.7
North Carolina	Forsyth	370670022	81	68	81	76	79	66	65	68	94	76	75	78	73	70	66	64.1	66.4
New Mexico	Bernalillo	350010027	67	66	68	72	73	70	52			67	68	71	71	65		65.9	66.8
North Carolina	Forsyth	370670028	77	66	76	68	74	61	62	64	101	73	70	72	67	65	62	59.5	61.4
North Carolina	Forsyth	370670030	78	62	81	73	76	62	67	68	92	73	72	76	70	68	65	61.5	64.3
North Carolina	Forsyth	370671008	78	66	78	74	74	63	67	65	95	74	72	75	70	68	65	61.2	63.5
New Mexico	Bernalillo	350011013	69	68	66	72	69	67	50			67	68	69	69	62		64.1	64.4
New Mexico	Bernalillo	350011014	63			72	69												
North Carolina	Franklin	370690001	78	64	71	72	72	60	62	62	103	71	69	71	68	64	61	57.9	59.3
North Carolina	Graham	370750001	78	66	75	74	67	64	63	65	99	73	71	72	68	64	64	61.2	62.7
North Carolina	Granville	370770001	81	68	74	72	72	63	65	63	99	74	71	72	69	66	63	61.1	62.2
North Carolina	Guilford	370810013	81	72	76	76	78	62	65	64	98	76	74	76	72	68	63	63.0	64.7
North Carolina	Haywood	370870008		60	70	65	62	58	60	64	103		65	65	61	60	60	53.6	53.6
North Carolina	Haywood	370870035	80	66	75	70	71	66	67	66	94	73	70	72	69	68	66		
North Carolina	Haywood	370870036	80	65	72	66	70	65	64	67	96	72	67	69	67	66	65	59.5	60.7
New Mexico	Eddy	350153001		66	70			67											
New Mexico	Grant	350171003	64	57	70	69	63	58	65			63	65	67	63	62		63.1	65.0
North Carolina	Johnston	371010002	76	66	74	74	75	62	63	60	104	72	71	74	70	66	61	60.7	62.6
New Mexico	Luna	350290003	60	55	58	63	71	67	60			57	58	64	67	66		60.0	63.9
New Mexico	Rio Arriba	350390026		55	58			66	65										
North Carolina	Lee	371050002		66	74			41	64	60	103						55		
New Mexico	Sandoval	350431003	65	63		61	62												
New Mexico	Sandoval	350439004	65	61	63	65	63					63	63					60.6	60.6
North Carolina	Lenoir	371070004	74	64	69	69	69	63	65	63	99	69	67	69	67	65	63	58.4	59.5
North Carolina	Lincoln	371090004	79	65	72	77	76	64	64	65	98	72	71	75	72	68	64	61.2	63.2
North Carolina	Macon	371139991		65	72	66	62	63	63	62	102		67	66	63	62	62		
New Mexico	San Juan	350451233		59	63	66	71	59					62	66	65				
North Carolina	Mecklenburg	371190041	85	69	82	88	80	67	65	73	89	78	79	83	78	70	68	70.0	72.6

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
North Carolina	Mecklenburg	371191009	93	71	82	83	85	66	68	69	90	82	78	83	78	73	67	67.1	69.9
North Carolina	Montgomery	371239991		71	82	69	68	61	62	59	106		74	73	66	63	60	55.0	55.0
North Carolina	New Hanover	371290002	63	60	62	64	64	64	63	58	106	61	62	63	64	63	61	53.9	54.7
North Carolina	Person	371450003	78	65	74	72	76	59	65	39	123	72	70	74	69	66	54	67.5	70.3
North Carolina	Pitt	371470006	77	66	69	74	71	63	63	60	104	70	69	71	69	65	62	60.3	61.4
North Carolina	Rockingham	371570099	84	68	74	71	76	62	65	66	96	75	71	73	69	67	64	62.0	63.7
North Carolina	Rowan	371590021	84	71	77	77	80	62	64	66	97	77	75	78	73	68	64	62.1	64.4
North Carolina	Swain	371730002	67	60	66	60	61	54	58	60	109	64	62	62	58	57	57	53.3	54.4
North Carolina	Swain	371730007		60	66		59	56	60	10	157					58	42		
North Carolina	Union	371790003	80	67	71	73	75	62	67	67	93	72	70	73	70	68	65	59.7	61.4
North Carolina	Wake	371830014	78	68	71	74	71	61	63	65	99	72	71	72	68	65	63	59.5	60.9
North Carolina	Wake	371830016	78	69	73	78	74	61	61	65	101	73	73	75	71	65	62	62.9	64.6
North Carolina	Yancey	371990004	78	66	74	71	68	65	67	67	93	72	70	71	68	66	66	59.7	60.8
North Dakota	Billings	380070002	61	56	61	57	57	57	55	64	108	59	58	58	57	56	58		
North Dakota	Burke	380130004	59	59	63	60	56	59	58	66	103	60	60	59	58	57	61		
North Dakota	Burleigh	380150003	58	54	61	56	57	62	59	63	105	57	57	58	58	59	61		
North Dakota	Cass	380171004	55	57	63	57	63	59	59	57	111	58	59	61	59	60	58		
North Dakota	Dunn	380250003	60	54	58	54	57	57	57	63	107	57	55	56	56	57	59		
North Dakota	Mercer	380570004	61	55	61	59	61	59	55	58	114	59	58	60	59	58	57		
North Dakota	Oliver	380650002	60	57	61	58	57	61	60	64	103	59	58	58	58	59	61		
North Dakota	Williams	381050003		57	61			59	56	59	112						58		
Ohio	Allen	390030009	67	71	72	73	79	68	66	64	97	70	72	74	73	71	66	65.8	66.7
Ohio	Ashtabula	390071001	75	75	83	77	79	70	69	70	88	77	78	79	75	72	69	67.8	69.3
Ohio	Athens	390090004	69	67	70	71				70		68	69					62.6	62.6
Ohio	Butler	390170004	71	73	77	78	83	68	70	70	87	73	76	79	76	73	69	71.5	73.3
Ohio	Butler	390170018		76	80	82	84	68	69	70	88		79	82	78	73	69	73.0	75.1
Ohio	Butler	390179991		76	80	79	85	69	69	69	89		78	81	77	74	69	70.1	70.1
Ohio	Clark	390230001	75	71	75	77	77	71	65	71	91	73	74	76	75	71	69	67.3	68.2
Ohio	Clark	390230003	75	72	74	77	75	67	64	69	94	73	74	75	73	68	66	66.6	67.5
Ohio	Clermont	390250022	71	69	75	82	91	66	68	70	89	71	75	82	79	75	68	71.0	74.0
Ohio	Clinton	390271002	76	70	76	84	86	64	70	70	87	74	76	82	78	73	68	69.7	72.7

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Ohio	Cuyahoga	390350034	81	71	75	81	85	69	71	68	88	75	75	80	78	75	69	64.4	66.3
Ohio	Cuyahoga	390350060		43	68	71	73	57	66	63	98		60	70	67	65	62	57.4	58.7
Ohio	Cuyahoga	390350064	72	62	72	66	83	64	59	66	102	68	66	73	71	68	63	61.0	63.6
Ohio	Cuyahoga	390355002	83	69	75	78	87	65	61	71	95	75	74	80	76	71	65	63.6	66.3
Ohio	Delaware	390410002	75	70	74	73	77	70	66	68	93	73	72	74	73	71	68	65.5	66.4
Ohio	Fayette	390479991		70	74	75	77	64	69	70	88		73	75	72	70	67	63.8	63.8
Ohio	Franklin	390490029	83	73	77	87	82	73	70	71	86	77	79	82	80	75	71	73.5	75.1
Ohio	Franklin	390490037	71	70	72	77	81	70	69	64	94	71	73	76	76	73	67	67.6	68.5
Ohio	Franklin	390490081	66	69	72	71	76	65	68	63	96	69	70	73	70	69	65	64.3	66.1
Ohio	Geauga	390550004	82	68	81	72	82	65	65	72	90	77	73	78	73	70	67	65.9	68.8
Ohio	Greene	390570006	75	71	70	76	77	66	66	71	90	72	72	74	73	69	67	64.9	65.8
Ohio	Hamilton	390610006	86	72	80	88	87	69	70	72	85	79	80	85	81	75	70	76.3	79.1
Ohio	Hamilton	390610010	77	65	79	78	83	64	73	70	84	73	74	80	75	73	69	70.3	73.7
Ohio	Hamilton	390610040	80	74	75	85	82	69	69	71	87	76	78	80	78	73	69	73.1	74.3
Ohio	Jefferson	390810017	73	64	71	70	77	66	67	66	94	69	68	72	71	70	66	64.5	66.0
Ohio	Knox	390830002	74	68	73	79	74	67	66	71	90	71	73	75	73	69	68	66.0	67.1
Ohio	Lake	390850003	78	72	80	81	89	70	75	73	79	76	77	83	80	78	72	65.4	67.9
Ohio	Lake	390850007	76	72	68	68	83	68	62	70	95	72	69	73	73	71	66	59.6	60.6
Ohio	Lawrence	390870011	74	62	69	61	72	60	64	65	98	68	64	67	64	65	63	58.2	60.0
Ohio	Lawrence	390870012			74	68	75	63	62	69	96			72	68	66	64	63.3	65.1
Ohio	Licking	390890005	74	69	74	79	77	65	66	68	93	72	74	76	73	69	66	65.5	67.0
Ohio	Lorain	390930018	75	64	73	72	81	60	67	62	98	70	69	75	71	69	63	60.5	63.2
Ohio	Lucas	390950024	71	65	63	66	83	62	70	63	94	66	64	70	70	71	65	59.9	61.6
Ohio	Lucas	390950027	73	68	64	64	74	68	64	63	100	68	65	67	68	68	65	61.3	62.4
Ohio	Lucas	390950034	73	72	72	74	82	65	65	64	98	72	72	76	73	70	64	65.9	68.3
Ohio	Madison	390970007	71	68	73	79	78	66	69	69	89	70	73	76	74	71	68	65.7	67.2
Ohio	Mahoning	390990013	71	65	71	73	76	63	66	69	92	69	69	73	70	68	66	63.4	65.4
Ohio	Medina	391030004		62	71	70	74	65	64	63	100		67	71	69	67	64	62.1	62.1
Ohio	Miami	391090005	70	71	70	75	77	70	66	68	93	70	72	74	74	71	68	65.2	65.9
Ohio	Montgomery	391130037	77	73	77	80	79	69	69	70	88	75	76	78	76	72	69	68.7	69.9
Ohio	Noble	391219991		73	77	64	72	63	65	66	96		71	71	66	66	64		

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Ohio	Portage	391331001	69	63	71	69	74	58	61	64	102	67	67	71	67	64	61	61.2	63.6
Ohio	Preble	391351001	68	69	71	74	77	67	65	67	95	69	71	74	72	69	66	64.4	65.9
Ohio	Stark	391510016	77	66	80	81	77	70	65	72	90	74	75	79	76	70	69	67.8	69.9
Ohio	Stark	391510022	76		72	74	73	67	59	68	100			73	71	66	64	63.5	64.4
Ohio	Stark	391514005	77	61	78	76	71	67	61	67	99	72	71	75	71	66	65	64.3	66.7
Ohio	Summit	391530020	80	71	76	76	70	60	58	65	104	75	74	74	68	62	61	65.1	66.9
Ohio	Trumbull	391550009	76	69	73	71	76	62	65	66	96	72	71	73	69	67		62.6	64.3
Ohio	Trumbull	391550011	77	69	76	78	84	68	65	70	92	74	74	79	76	72	67	67.9	70.3
Ohio	Warren	391650007	82	77	76	82	80	67	71	71	85	78	78	79	76	72	69	70.2	71.3
Ohio	Washington	391670004	78	67	76	71	75	63	63	68	96	73	71	74	69	67	64	64.2	66.6
Ohio	Wood	391730003	70	69	70	73	77	65	63	62	102	69	70	73	71	68	63	65.2	66.7
Oklahoma	Adair	400019009	67	64	70	77	83	66	63	62	102	67	70	76	75	70	63	67.3	69.4
Oklahoma	Caddo	400159008	65	64	69	84	78	65	55	56	116	66	72	77	75	66	58	66.8	68.9
Oklahoma	Canadian	400170101	72	71	72	83	75	71	68	65	94	71	75	76	76	71	68	67.7	68.0
Oklahoma	Cherokee	400219002	67	67	71	77	80	65	61	61	105	68	71	76	74	68	62	67.6	69.7
Oklahoma	Cleveland	400270049	68	69	70	81	79	69	67	65	95	69	73	76	76	71	67	67.7	68.6
Oklahoma	Comanche	400310651	70	70	67	79	80	72	69	66	92	69	72	75	77	73	69	67.8	69.9
Oklahoma	Cotton	400330680	71			83	82			66									
Oklahoma	Creek	400370144	69	74	69	83	83	68	66	63	98	70	75	78	78	72	65	67.6	68.5
Oklahoma	Dewey	400430860	66	67	67	78	76	69	67	63	97	66	70	73	74	70	66	67.6	69.1
Oklahoma	Kay	400719010	69	71	59	81	78	73	69	65	93	66	70	72	77	73	69	65.8	69.4
Oklahoma	McClain	400871073	67	70	69	80	76	66	69	64	94	68	73	75	74	70	66	66.5	67.4
Oklahoma	Mayes	400979014	64	70	69	83	84	65	60	65	102	67	74	78	77	69	63	69.6	71.1
Oklahoma	Oklahoma	401090033	71	74	71	82	79	73	69	68	90	72	75	77	78	73	70	69.9	71.1
Oklahoma	Oklahoma	401090096	72	74	70	81	80	69	66	67	94	72	75	77	76	71	67	68.3	69.2
Oklahoma	Oklahoma	401091037	76	76	72	84	81	72	70	68	89	74	77	79	79	74	70	70.7	71.4
Oklahoma	Ottawa	401159004	66	63	68	79	83	66	55	48	124	65	70	76	76	68	56	66.3	68.1
Oklahoma	Pittsburg	401210415	67	67	68	78	76	71	62	60	105	67	71	74	75	69	64	68.5	70.1
Oklahoma	Sequoyah	401359021			68	73	77	67	60	62	105			72	72	68	63	65.3	65.3
Oklahoma	Tulsa	401430137	79	73	73	85	84	71	65	66	96	75	77	80	80	73	67	70.2	71.1
Oklahoma	Tulsa	401430174	66	67	69	80	83	69	62	64	101	67	72	77	77	71	65	68.2	69.8

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Oklahoma	Tulsa	401430178	69	72	71	82	82	68	63	65	99	70	75	78	77	71	65	69.1	70.3
North Dakota	McKenzie	380530002	62	56	62	59	57	59	56			60	59	59	58	57			
Oklahoma	Tulsa	401431127	69	72	70	85	85	72	65	68	94	70	75	80	80	74	68	70.5	72.0
Oregon	Clackamas	410050004	66	69	66	63	65	59	62	69	96	67	66	64	62	62	63	58.8	60.7
Oregon	Deschutes	410170122	52	60	59	57	62	56	60	63	104	57	58	59	58	59	59		
Oregon	Jackson	410290201	70	65	61	57	66	67	59	67	101	65	61	61	63	64	64	57.6	58.8
Oregon	Lane	410390060	59	63	56	59	59	53	58	70	99	59	59	58	57	56	60	52.2	53.1
Oregon	Lane	410391007	59	66	60	59	62	56	58	70	99	61	61	60	59	58	61	53.8	54.7
Oregon	Marion	410470004	66	69	57	57	63	55	62	65	100	64	61	59	58	60	60	53.9	55.4
Oregon	Multnomah	410510080	60	61	54	57	60	53	55	57	115	58	57	57	56	56	55	54.6	54.9
Oregon	Umatilla	410591003	64	61	63	58	67	62	64	66	97	62	60	62	62	64	64	55.4	56.1
Oregon	Washington	410671004	53	65	56	56	62	52	57	63	107	58	59	58	56	57	57	53.3	54.5
Pennsylvania	Adams	420019991		64	74	69	73	67	63	67	97		69	72	69	67	65		
Pennsylvania	Allegheny	420030008	79	69	80	74	85	70	65	71	91	76	74	79	76	73	68	71.3	73.8
Pennsylvania	Allegheny	420030067	75	69	78	78	80	66	65	68	94	74	75	78	74	70	66	70.0	72.2
Maryland	Baltimore	240053001	81	71	84	85	83	67	68	71	88	78	80	84	78	72	68	73.2	76.2
Pennsylvania	Armstrong	420050001	78	71	79	69	78	78	68	70	89	76	73	75	75	74	72	68.7	69.3
Pennsylvania	Beaver	420070002	73	66	75	68	74	72	69	70	88	71	69	72	71	71	70	65.7	66.9
Pennsylvania	Beaver	420070005	75	68	77	71	83	72	70	67	90	73	72	77	75	75	69	70.0	72.1
Pennsylvania	Beaver	420070014	74	68	73	72	79	66	66	64	97	71	71	74	72	70	65	67.8	69.4
Pennsylvania	Berks	420110006	77	63	78	73	75	61	63	65	99	72	71	75	69	66	63	64.1	67.1
Pennsylvania	Berks	420110011	83	72	84	75	78	68	68	71	88	79	77	79	73	71	69	68.1	70.5
Pennsylvania	Blair	420130801	75	65	72	74	80	65	60	69	98	70	70	75	73	68	64	68.9	71.0
Pennsylvania	Bradford	420150011		65	72			53	51	58	118						54		
Pennsylvania	Bucks	420170012	89	74	87	81	82	73	71	82	74	83	80	83	78	75	75	72.6	75.0
Pennsylvania	Cambria	420210011	67	64	72	72	73	65	60	65	102	67	69	72	70	66	63	64.7	66.2
Pennsylvania	Centre	420270100	74	64	73	73	75	63	63	64	100	70	70	73	70	67	63	66.7	68.6
Pennsylvania	Centre	420279991		64	73	76	76	65	64	68	95		71	75	72	68	65	67.9	67.9
Pennsylvania	Chester	420290100	84	67	77	79	81	68	71	68	88	76	74	79	76	73	69	67.3	69.7
Pennsylvania	Clearfield	420334000	77	66	77	73	73	67	60	68	99	73	72	74	71	66	65	67.1	68.7
Pennsylvania	Dauphin	420430401	79	63	75	70		64	63	68	96	72	69				65	63.4	63.4

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Pennsylvania	Dauphin	420431100	78	66	77	77	78	68	63	68	96	73	73	77	74	69	66	67.7	69.8
Pennsylvania	Delaware	420450002	81	65	76	79	81	69	73	74	80	74	73	78	76	74	72	66.9	68.9
Pennsylvania	Elk	420479991		65	76	64	71	65	64	67	96		68	70	66	66	65		
Pennsylvania	Erie	420490003	74	69	75	72	82	68	65	66	96	72	72	76	74	71	66	65.3	67.1
Pennsylvania	Franklin	420550001	73	59	70	67	67	71	63	59	105	67	65	68	68	67	64	60.9	61.8
Pennsylvania	Greene	420590002	73	66	78	64	73	66	65	71	91	72	69	71	67	68	67	61.4	63.2
Pennsylvania	Indiana	420630004	76	66	82	73	82	72	68	73	86	74	73	79	75	74	71	69.9	72.9
Pennsylvania	Lackawanna	420690101	75	68	74	71	72	67	61	69	97	72	71	72	70	66	65	65.5	66.5
Pennsylvania	Lackawanna	420692006	76	61	71	68	74	66	60	68	99	69	66	71	69	66	64	63.4	65.5
Pennsylvania	Lancaster	420710007	80	69	82	78	81	66	66	70	91	77	76	80	75	71	67	70.3	73.0
Pennsylvania	Lancaster	420710012	77	66	82	85	79	63	63	70	94	75	77	82	75	68	65	69.9	73.5
Pennsylvania	Lawrence	420730015	69	63	68	71	82	68	68	69	90	66	67	73	73	72	68	65.1	67.0
Pennsylvania	Lebanon	420750100		63	68	80	76	72	67	74	86		70	74	76	71	71	68.7	68.7
Pennsylvania	Lehigh	420770004	80	69	80	79	75	68	68	70	89	76	76	78	74	70	68	68.0	69.8
Pennsylvania	Luzerne	420791101	75	55	66	65	68	63	60	67	100	65	62	66	65	63	63	59.4	60.9
Pennsylvania	Lycoming	420810100	82	64	73	63	71	65	62	65	100	73	66	69	66	66	64	62.0	63.8
Pennsylvania	Mercer	420850100	78	70	76	75	87	69	71	66	90	74	73	79	77	75	68	67.6	70.0
Pennsylvania	Mercer	420859991		70	76	67	78	61	60	68	99		71	73	68	66	63		
Pennsylvania	Monroe	420890002	76	57	78	63	69	62	60	67	100	70	66	70	64	63	63	59.2	62.1
Pennsylvania	Montgomery	420910013	84	70	81	80	75	69	72	73	82	78	77	78	74	72	71	68.3	69.8
Pennsylvania	Northampton	420950025	75	68	82	76	73	65	67	70	90	75	75	77	71	68	67	67.9	68.8
Pennsylvania	Northampton	420958000	76	66	69	72	73	64	66	67	94	70	69	71	69	67	65	61.9	63.1
Pennsylvania	Philadelphia	421010004	62	59	77	70	65	47	58	57	112	66	68	70	60	56	54	59.9	63.6
New York	Queens	360810124	80	67	76	84	82	71	63	73	91	74	75	80	79	72	69	75.7	77.6
Pennsylvania	Philadelphia	421010048		72	88			36	68	78	81						60		
Pennsylvania	Somerset	421119991		72	88	67	69	61	62	64	101		75	74	65	64	62	56.9	56.9
Pennsylvania	Tioga	421174000	73	64	74	70	71	66	58	65	104	70	69	71	69	65	63	63.9	65.1
Pennsylvania	Washington	421250005	71	68	72	68	76	64	65	72	90	70	69	72	69	68	67	64.0	65.8
Pennsylvania	Washington	421250200	69	63	73	69	77	67	64	69	94	68	68	73	71	69	66	64.0	66.1
Pennsylvania	Washington	421255001	77	65	71	71	71	71	64	70	93	71	69	71	71	68	68	65.4	66.0
Pennsylvania	Washington	421255200		65	71		56	63	62	46	119					60			

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Pennsylvania	Westmoreland	421290008	75	65	76	68	75	70	64	69	94	72	69	73	71	69	67	64.4	66.2
Pennsylvania	York	421330008	81	68	73	74	76	68	63	68	96	74	71	74	72	69	66	66.1	67.6
Pennsylvania	York	421330011	78	66	76	76	79	68	63	74	90	73	72	77	74	70	68	66.9	69.4
Rhode Island	Kent	440030002	74	69	72	78	72	73	67	70	90	71	73	74	74	70	70	66.0	66.3
Rhode Island	Providence	440071010	77	66	75	73	79	76	64	71	92	72	71	75	76	73	70	65.4	67.1
Rhode Island	Washington	440090007	81	68	79	74	82	79	63	77	87	76	73	78	78	74	73	69.2	70.7
South Carolina	Abbeville	450010001	74	61	67	58	67	55	62	56	109	67	62	64	60	61	57	52.0	53.7
South Carolina	Aiken	450030003	75	68	66	69	57	61	66	57	104	69	67	64	62	61	61	54.4	56.7
South Carolina	Anderson	450070005	65	61	72	76	71	57	60	63	104	66	69	73	68	62	60	58.9	61.4
South Carolina	Berkeley	450150002	67	55	66	65	61	58	60	54	113	62	62	64	61	59	57	54.1	55.6
South Carolina	Charleston	450190046	71	63	68	66	64	59	59	58	110	67	65	66	63	60	58	56.3	57.5
South Carolina	Chesterfield	450250001	72	66	68	66	63	58	59	59	109	68	66	65	62	60	58	55.0	56.5
South Carolina	Colleton	450290002	70	60	69	63	57	50	59	54	114	66	64	63	56	55	54	52.3	54.9
South Carolina	Darlington	450310003	76	65	71	70	70	59	65	61	101	70	68	70	66	64	61	58.1	59.8
South Carolina	Edgefield	450370001	71	63	63	64	63	48	55	61	111	65	63	63	58	55	54	51.7	53.1
South Carolina	Greenville	450450016		67	69	68	70	63	63	68	96		68	69	67	65	64	57.9	58.8
South Carolina	Greenville	450451003	65	65	70	66	63	60	62	65	100	66	67	66	63	61	62	55.7	57.1
South Carolina	Pickens	450770002	80	66	72	75	68	60	62	64	101	72	71	71	67	63	62	59.7	60.8
South Carolina	Pickens	450770003			65	74	62	58	58	64	105			67	64	59	60		
South Carolina	Richland	450790007	77	62		77	65	53	56	55	116				65	58	54	59.4	59.4
South Carolina	Richland	450790021	73	59	65	62	56	55	56	55	116	65	62	61	57	55	55	51.1	52.8
South Carolina	Richland	450791001	77	66	72	81	66	61	65	62	100	71	73	73	69	64	62	60.8	61.9
South Carolina	Spartanburg	450830009	85	67	76	81	70	65	65	66	96	76	74	75	72	66	65	62.9	64.0
South Carolina	York	450910006	75	62	66	65	65	61	56	60	111	67	64	65	63	60	59	54.3	55.2
South Dakota	Brookings	460110003	58	57	64	64	67	63	61	63	103	59	61	65	64	63	62	58.1	59.7
South Dakota	Custer	460330132	59	61	59	60	69	61	57	59	111	59	60	62	63	62	59	59.6	60.8
South Dakota	Jackson	460710001	53	54	58	52	64	62	57	57	113	55	54	58	59	61	58	54.4	56.3
South Dakota	Meade	460930001	60	57	57	57	68	63	56	59	112	58	57	60	62	62	59	54.3	55.7
South Dakota	Minnehaha	460990008	61	62	64	65	72	67	66	60	101	62	63	67	68	68	64	60.2	62.0
South Dakota	Union	461270001		62	64			63	62	61	104						62		
Oregon	Columbia	410090004	59	60	49	51	53	47	53			56	53	51	50	51		48.5	50.1

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Tennessee	Anderson	470010101	73	65	73	74	73	60	60	65	102	70	70	73	69	64	61	61.7	63.7
Tennessee	Blount	470090101	82	69	81	83	75	64	64	68	95	77	77	79	74	67	65	66.4	68.4
Tennessee	Blount	470090102	71	62	74	68	64	59	58	60	109	69	68	68	63	60	59	56.9	58.4
Tennessee	Claiborne	470259991		62	74	61	65	61	65	61	101		65	66	62	63	62	53.7	53.7
Tennessee	Davidson	470370011	65	60	67	64	76	55	65	66	96	64	63	69	65	65	62	58.5	61.4
Tennessee	Davidson	470370026	71	60	72	70	81	60	71	64	92	67	67	74	70	70	65	62.2	65.4
Tennessee	DeKalb	470419991		60	72	64	77	62	62	61	104		65	71	67	67	61		
Oregon	Umatilla	410597001	57			58	67												
Tennessee	Hamilton	470651011	76	66	76	74	77	61	64	68	95	72	72	75	70	67	64	62.4	64.7
Tennessee	Hamilton	470654003	79	70	77	74	77	64	67	68	92	75	73	76	71	69	66	63.3	65.7
Tennessee	Jefferson	470890002	75	68	79	73	82	65	67	70	90	74	73	78	73	71	67	64.5	67.4
Tennessee	Knox	470930021	79	66	70	71	73	57	60	66	101	71	69	71	67	63	61	60.0	61.7
Tennessee	Knox	470931020	86	68	74	72	78	61	63	66	98	76	71	74	70	67	63	62.0	64.0
Tennessee	Sevier	471550101	79	70	79	78	72	66	68	67	92	76	75	76	72	68	67	64.5	65.9
Tennessee	Sevier	471550102	80	71	77	79	71	64	66	65	96	76	75	75	71	67	65		
Tennessee	Shelby	471570021	84	69	76	79	83	69	67	65	95	76	74	79	77	73	67	66.5	68.5
Tennessee	Shelby	471570075		69	76	81	86	69	66	66	95		75	81	78	73	67	67.7	67.7
Tennessee	Shelby	471571004	77	70	73	77	84	63	65	66	96	73	73	78	74	70	64	64.5	67.1
Tennessee	Sullivan	471632002	74	66	72	74	76	63	65	65	97	70	70	74	71	68	64	63.8	65.8
Tennessee	Sullivan	471632003	74	67	72	71	75	63	61	66	100	71	70	72	69	66	63	63.1	64.7
Tennessee	Sumner	471650007	81	70	78	77	83	68	66	67	94	76	75	79	76	72	67	67.4	69.5
Tennessee	Williamson	471870106	69	63	74	72	74	62	63	61	103	68	69	73	69	66	62	61.3	63.7
Tennessee	Wilson	471890103	76	67	74	72	77	62	64	61	102	72	71	74	70	67	62	63.1	65.1
Texas	Bell	480271045		67	74			53	67	72	88						64		
Texas	Bell	480271047		64	72	75	78	71	69	67	91		70	75	74	72	69	68.6	69.1
Texas	Bexar	480290032	78	75	72	79	81	76	69	79	79	75	75	77	78	75	74	71.5	72.7
Texas	Bexar	480290052	74	73	78	75	87	83	72	80	75	75	75	80	81	80	78	72.7	74.9
Texas	Bexar	480290055	75	68	60	75	87			67		67	67						
Texas	Bexar	480290059	73	62	67	71	70	69	63	68	96	67	66	69	70	67	66	63.9	65.5
Texas	Bexar	480290622	72	63	69	71	70			67		68	67						
Texas	Brazoria	480391004	75	91	88	90	87	84	71	86	70	84	89	88	87	80	80	81.4	82.3

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Texas	Brazoria	480391016	76	76	72	73	71	67	61	65	101	74	73	72	70	66	64	66.5	67.7
Texas	Brewster	480430101	65	65	64	80	67	66	64	63	100	64	69	70	71	65	64	69.0	70.0
Texas	Cameron	480610006	69	60	68	66	58	58	60	54	113	65	64	64	60	58	57	59.3	60.5
Texas	Cameron	480611023		60	68		50	62	59	58	110					57	59		
Texas	Collin	480850005	79	79	74	91	84	78	74	77	76	77	81	83	84	78	76	74.9	76.0
Texas	Dallas	481130069	64	62	75	84	87	81	66	80	81	67	73	82	84	78	75	74.0	78.0
Texas	Dallas	481130075	76	88	71	88	86	77	70	79	78	78	82	81	83	77	75	75.8	76.7
Texas	Dallas	481130087	77	79	78	82	85	74	62	68	97	78	79	81	80	73	68	73.7	74.6
Texas	Denton	481210034	84	82	74	95	81	85	77	88	62	80	83	83	87	81	83	76.9	79.4
Texas	Denton	481211032	80	78	78	91	78	84	75	79	73	78	82	82	84	79	79	75.1	76.3
Texas	Ellis	481390016	72	72	72	80	78	75	62	68	97	72	74	76	77	71	68	70.0	71.2
Texas	Ellis	481391044	72	70	63	75	71	72	60	65	102	68	69	69	72	67	65	64.7	66.5
Texas	El Paso	481410029	78	69	62	66	57	60	62	65	100	69	65	61	61	59	62	60.4	60.4
Texas	El Paso	481410037	75	66	73	70	74	73	70	72	85	71	69	72	72	72	71	66.3	67.2
Texas	El Paso	481410044	74	65	71	70	69	69	66	68	93	70	68	70	69	68	67	64.4	65.3
Texas	El Paso	481410055	73	64	71	68	65	60	62	64	101	69	67	68	64	62	62	61.9	63.5
Texas	El Paso	481410057	71	70	63	66	38	66	66	69	92	68	66	55	56	56	67	61.3	61.3
Texas	El Paso	481410058	72	72	70	71	68	66	70	69	88	71	71	69	68	68	68	64.9	66.4
Texas	Galveston	481671034	69	76	80	79	81	64	71	84	72	75	78	80	74	72	73	72.9	75.5
Texas	Gregg	481830001	71	73	78	82	78	71	66	68	93	74	77	79	77	71	68	72.1	73.3
Texas	Harris	482010024	83	80	87	83	75	74	68	95	64	83	83	81	77	72	79	75.9	78.5
Texas	Harris	482010026	76	80	79	81	77	61	64	81	82	78	80	79	73	67	68	73.5	76.1
Texas	Harris	482010029	76	86	82	86	82	80	63	78	86	81	84	83	82	75	73	74.9	75.8
Texas	Harris	482010046	70	69	76	80	75	70	62	78	87	71	75	77	75	69	70	71.6	72.8
Texas	Harris	482010047	71	81	77	78	81	79	64	87	76	76	78	78	79	74	76	72.3	73.0
Texas	Harris	482010051	76	80	77	85	79	79	67	79	81	77	80	80	81	75	75	74.5	75.2
Texas	Harris	482010055	83	86	78	87	77	81	67	80	80	82	83	80	81	75	76	75.4	77.0
Texas	Harris	482010062	72	71	75	76	85	74	65	73	89	72	74	78	78	74	70	72.0	73.2
Texas	Harris	482010066	82	71	72	81	81	77	70	79	78	75	74	78	79	76	75	71.7	73.6
Texas	Harris	482010075	70	79	75	79	82			79		74	77					72.8	73.5
Texas	Harris	482010416	76	73	84	79	77	79	66	85	76	77	78	80	78	74	76	74.1	75.3

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Texas	Harris	482011015	65	73	83	73	75	64	59	79	89	73	76	77	70	66	67	70.7	73.3
Texas	Harris	482011017		73	83		71	61	67	77	83					66	68		
Texas	Harris	482011034	73	79	76	88	83	69	66	88	73	76	81	82	80	72	74	76.8	77.8
Texas	Harris	482011035	71	78	79	80	81	67	58	84	85	76	79	80	76	68	69	74.2	75.9
Texas	Harris	482011039	76	82	85	83	85	69	63	77	87	81	83	84	79	72	69	78.2	80.2
Texas	Harris	482011050	71	79	77	79	86	67	65	83	79	75	78	80	77	72	71	74.6	76.2
Texas	Harrison	482030002	68	68	74	76	72	70	66	62	99	70	72	74	72	69	66	65.6	66.7
Texas	Hays	482090614	66	65	72	76	72			71		67	71						
Texas	Hidalgo	482150043	58	60	65	62	61	55	56	58	113	61	62	62	59	57	56	57.9	58.8
Texas	Hood	482210001	73	77	77	76	80	75	73	75	79	75	76	77	77	76	74	70.1	70.4
Texas	Hunt	482311006	63	67	64	77	75	70	62	62	103	64	69	72	74	69	64	65.3	67.4
Texas	Jefferson	482450009	72	71	74	76	75	65	65	69	93	72	73	75	72	68	66	67.7	69.3
Texas	Jefferson	482450011	71	73	80	76	66	64	63	72	92	74	76	74	68	64	66	71.0	71.0
Texas	Jefferson	482450022	70	70	70	75	73	66	67	68	92	70	71	72	71	68	67	65.8	66.4
Texas	Jefferson	482450101	69	73	81	84	76	67	67	64	96	74	79	80	75	70	66	73.1	75.0
Texas	Jefferson	482450102	78	71	71	73	70	58	62	65	100	73	71	71	67	63	61	65.0	66.2
Texas	Jefferson	482450628	65	69	70	70	81	59	57	70	100	68	69	73	70	65	62	66.0	68.2
Texas	Jefferson	482451035	67	69	75	74	69	65	67	74	86	70	72	72	69	67	68	66.2	67.1
Texas	Johnson	482510003	83	80	78	79	82	77	71	73	83	80	79	79	79	76	73	72.8	72.8
Texas	Kaufman	482570005	69	68	64	74	73	75	62	64	101	67	68	70	74	70	67	65.4	68.5
Texas	McLennan	483091037	71	74	66	78	73	72	63	68	96	70	72	72	74	69	67	68.2	69.4
Texas	Montgomery	483390078	73	65	77	80	82	75	72	73	82	71	74	79	79	76	73	70.8	72.4
Texas	Navarro	483491051		66	68	74	70	74	60	64	103		69	70	72	68	66	66.7	67.6
Texas	Nueces	483550025	70	64	74	75	69	66	65	65	97	69	71	72	70	66	65	67.2	68.1
Texas	Nueces	483550026	73	68	72	78	65	66	66	62	99	71	72	71	69	65	64	66.8	68.1
Texas	Orange	483611001	64	73	77	75	72	62	63	66	98	71	75	74	69	65	63	67.9	70.0
Texas	Orange	483611100	69	67	70	72	67	67	68	65	94	68	69	69	68	67	66	63.8	64.1
Texas	Parker	483670081	77	80	70	88	76	74	72	78	77	75	79	78	79	74	74	72.6	72.9
Texas	Polk	483739991		80	70	73	67	65	65	62	100		74	70	68	65	64		
Texas	Randall	483819991		80	70	76	74	70	66	64	97		75	73	73	70	66		
Texas	Rockwall	483970001	73	78	73	80	80	73	66	71	90	74	77	77	77	73	70	70.1	70.1

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Texas	Smith	484230007	72	75	72	78	76	71	66	66	95	73	75	75	75	71	67	68.1	68.1
Texas	Tarrant	484390075	85	91	80	80	87	77	73	78	76	85	83	82	81	79	76	75.5	76.4
Texas	Tarrant	484391002	73	83	81	82	77	84	79	79	69	79	82	80	81	80	80	74.4	75.4
South Dakota	Union	461270003		60	62	62	68						61					57.4	58.8
Texas	Tarrant	484392003	85	90	85	97	79	80	74	76	77	86	90	87	85	77	76	79.6	82.1
Texas	Tarrant	484393009	77	86	83	91	86	83	73	79	75	82	86	86	86	80	78	78.6	78.6
Texas	Tarrant	484393011	78	80	79	80	92	68	65	69	93	79	79	83	80	75	67	74.5	76.6
Texas	Travis	484530014	74	76	74	75	74	69	62	73	92	74	75	74	72	68	68	67.8	69.0
Texas	Travis	484530020	70	69	70	73	76	70	63	73	91	69	70	73	73	69	68	65.5	66.4
Texas	Victoria	484690003	62	68	68	74	66	62	62	69	96	66	70	69	67	63	64	64.9	66.1
Texas	Webb	484790016	56	52	63	67	61	65	57	56	114	57	60	63	64	61	59		
Utah	Box Elder	490030003	72	67	70	63	73	71	67	68	92	69	66	68	69	70	68	64.6	65.8
Utah	Cache	490050004	66	61	61	63	72	66	59	67	101	62	61	65	67	65	64	61.5	64.1
Utah	Carbon	490071003		61	61	67	73	67	64	69	94		63	67	69	68		66.8	66.8
Utah	Davis	490110004	78	71	74	68	67	70	74	82	71	74	71	69	68	70	75	66.1	67.7
Utah	Duchesne	490130002		71	74		67	104	62	63	102					77	76		
Utah	Duchesne	490131001		71	74	65	70	69		69			70	69	68			65.9	65.9
Utah	Duchesne	490137011		71	74	111		108	67	66	94		85						
Utah	Garfield	490170004		71	74	37	68	67	60	68	99		60	59	57	65	65		
Utah	Salt Lake	490353006	75	74	65	75	78	77	72	81	74	71	71	72	76	75	76	71.7	71.7
Utah	San Juan	490370101	71	68	68	69	72	66	64	65	98	69	68	69	69	67	65	66.6	66.9
Utah	Uintah	490477022		70	74	68		95	64	68	95		70						
Utah	Utah	490490002	74	68	70	65	77	77	68	73	86	70	67	70	73	74	72	67.6	70.5
Utah	Utah	490495010	71	69	70	65	76	70	76	71	80	70	68	70	70	74	72	67.2	67.9
Utah	Washington	490530007		66	68		59	69	66	69	92					64	68		
Utah	Washington	490530130	72	68	72	72	75	70	65	68	94	70	70	73	72	70	67	68.9	70.1
Utah	Weber	490570002	74	69	73	74	66	76	70	72	85	72	72	71	72	70	72	68.7	69.0
Utah	Weber	490571003	75	70	70	74	76	73	70	74	83	71	71	73	74	73	72	69.4	70.7
Vermont	Bennington	500030004	69	68	68	59	67	62	61	63	103	68	65	64	62	63		57.1	58.3
Vermont	Chittenden	500070007	70	61	63	58	65	62	59	66	102	64	60	62	61	62		56.5	57.4
Virginia	Albemarle	510030001	73	65	71	67	68	60	59	58	110	69	67	68	65	62	59	59.5	60.7

Table 3. Monitor-level ozone design values.

			Ozone Design Values																
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Virginia	Arlington	510130020	84	67	87	87	84	67	71	73	83	79	80	86	79	74	70	71.1	74.9
Virginia	Caroline	510330001	80	66	74	72	76	65	61	62	104	73	70	74	71	67	62	62.8	64.8
Virginia	Charles	510360002	84	63	78	84	76	61	66	59	102	75	75	79	73	67	62	67.3	70.3
Virginia	Chesterfield	510410004	80	65	81	71	74	63	61	63	103	75	72	75	69	66	62	64.2	66.9
Virginia	Fairfax	510590030	85	70	89	87	84	67	65	72	90	81	82	86	79	72	68	70.5	73.7
Virginia	Fauquier	510610002	68	63	66	63	61	59	59	56	112	65	64	63	61	59	58	55.5	56.6
Virginia	Frederick	510690010	73	62	71	67	70	60	59	61	107	68	66	69	65	63	60	59.5	61.5
Virginia	Giles	510719991		62	71	64	65	61	62	63	102		65	66	63	62	62	51.9	51.9
Virginia	Hanover	510850003	80	67	78	76	76	66	62	61	104	75	73	76	72	68	63	65.5	67.5
Virginia	Henrico	510870014	86	65	79	78	78	65	62	64	101	76	74	78	73	68	63	66.9	69.6
Virginia	Loudoun	511071005	79	68	78	75	73	66	63	71	93	75	73	75	71	67	66	65.1	66.9
Virginia	Madison	511130003	78	69	74	72	72	63	62	63	102	73	71	72	69	65	62	64.2	65.4
Virginia	Page	511390004	68	63	69	68	68	60	58	59	110	66	66	68	65	62	59	60.1	61.7
Virginia	Prince Edward	511479991		63	69	63	65	60	63	57	107		65	65	62	62	60	57.1	57.1
Virginia	Prince William	511530009	74	64	73	71	72	66	62	66	99	70	69	72	69	66	64	63.1	64.9
Virginia	Roanoke	511611004	71	64	73	67	70	57	60	62	105	69	68	70	64	62	59	59.8	62.2
Virginia	Rockbridge	511630003	67	60	70	61	61	58	58	56	113	65	63	64	60	59	57	56.0	57.5
Virginia	Rockingham	511650003	69	63	68	69	67	58	58	60	109	66	66	68	64	61	58	59.5	61.3
Virginia	Stafford	511790001	69	64	78	74	76	64	62	63	102	70	72	76	71	67	63	61.7	64.3
Virginia	Wythe	511970002	71	60	69	64	66	59	64	58	105	66	64	66	63	63	60	57.4	58.9
Virginia	Hampton City	516500008			78	76	74	68	61	65	101			76	72	67	64	66.1	67.9
Virginia	Suffolk City	518000004	77	65	72	76	71	65	58	61	108	71	71	73	70	64	61	65.0	66.6
Virginia	Suffolk City	518000005	78	64	75	73	67	65	63	60	104	72	70	71	68	65	62	61.0	62.1
Washington	Clallam	530090013	54	59	53	54	51	51	55	51	121	55	55	52	52	52	52		
Washington	Clark	530110011	60	62	54	55	59	52	57	65	105	58	57	56	55	56	58	53.7	54.7
Washington	King	530330010	54	64	53	54	59	48	52	59	116	57	57	55	53	53	53	53.4	55.3
Washington	King	530330017	58	63	63	52	58	56	60	61	106	61	59	57	55	58	59	54.1	56.0
Washington	King	530330023	75	76	68	59	71	57	67	74	86	73	67	66	62	65	66	60.8	62.7
Washington	King	530330080	46	49	43	44	44	45	44	48	135	46	45	43	44	44	45		
Washington	Pierce	530530012	51	54	53	55	61	59	60	63	104	52	54	56	58	60	60		
Washington	Skagit	530570011		58	54		45	42	41	61	125					42	48		

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Washington	Spokane	530630001	57	57	58	56	63	61	59	66	102	57	57	59	60	61	62	54.9	56.1
Washington	Spokane	530630021			56	56	63	61	60	62	105			58	60	61	61	55.0	56.0
Washington	Spokane	530630046	58	57	58	56	63	62	60	63	104	57	57	59	60	61	61	54.2	55.4
Washington	Thurston	530670005	60	60	54	54	61	50	56	58	113	58	56	56	55	55	54	52.1	52.3
Washington	Whatcom	530730005		46	48	43	47	43	46	49	132		45	46	44	45	46		
West Virginia	Berkeley	540030003	72	65	73	68	69	63	60	66	101	70	68	70	66	64	63	60.8	62.6
West Virginia	Cabell	540110006	70	61	68	74	75	59	63	66	98	66	67	72	69	65	62	61.2	63.6
West Virginia	Gilmer	540219991		61	68	63	60	58	58	57	112		64	63	60	58	57	55.8	55.8
West Virginia	Greenbrier	540250003	69	62	69	65	65	60	61	57	109	66	65	66	63	62	59	58.1	59.3
West Virginia	Kanawha	540390010	76	62	70	80	73	67	67	67	93	69	70	74	73	69	67	68.7	70.3
West Virginia	Monongalia	540610003	66	63	77	69	72	64	64	69	94	68	69	72	68	66	65	65.7	67.8
West Virginia	Ohio	540690010	72	71	76	74	74	63	66	69	92	73	73	74	70	67	66	64.6	66.1
Alabama	Jefferson	10731009	74	61	75	76	73					70	70					60.6	62.2
Alabama	Jefferson	10735002	79	63	75	74	75					72	70					60.6	62.3
Alabama	Madison	10890022		66	71	65	73	61	61				67	69	66	65			
Alabama	Sumter	11190002	60	54	67	63						60	61					52.3	52.3
Arkansas	Van Buren	51410001			58	74	80												
Connecticut	New Haven	90093002	78	73	79	80	81					76	77						
Delaware	New Castle	100032004		69	80	78	80	67	68				75	79	75	71		65.9	65.9
District Of Columbia	District of Columbia	110010025	75	72	79	75	85					75	75						
District Of Columbia	District of Columbia	110010041	82	64	86	80	76	62	47			77	76	80	72	61		65.4	68.9
District Of Columbia	District of Columbia	110010043	84	71	82	85	87	66	68			79	79	84	79	73		69.5	72.3
Florida	Broward	120110031	63	58	59	66	65					60	61						
Florida	Escambia	120330024	74			74	71												
Florida	Palm Beach	120990020	65	64	63	60	64	61	68			64	62	62	61	64		57.7	58.0
Florida	St. Lucie	121111002	66	61	61	64	62					62	62						
Georgia	Bibb	130210013	75			78	72												
Georgia	Fayette	131130001	77			78	73												
Georgia	Muscogee	132151003	72			68	66												
Illinois	Champaign	170190004	60	65	55	66	75					60	62						
Illinois	Champaign	170191001		65	55	74	77	66	68				64	68	72	70			

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Illinois	Cook	170310064	63	60	71	74	81	58				64	68	75	71			58.4	61.5
Illinois	Cook	170311003	64	64	70	67	79	66	65			66	67	72	70	70		55.9	57.7
Illinois	Lake	170971002	63	57	74	70	75					64	67						
Illinois	Sangamon	171670010	59	61	46	76	83					55	61						
Illinois	Sangamon	171670013			69	76	83												
Indiana	Hamilton	180570005	73	71	71	80	82					71	74						
Indiana	St. Joseph	181411007	69	62	60	71						63	64					57.7	57.7
Kansas	Linn	201070002	63	62	66	73	78	62				63	67	72	71			62.2	63.9
Kansas	Riley	201619991		62	66	74	78	58					67	72	70				
Kansas	Sedgwick	201730001	60	69	68	62						65	66						
Kentucky	Jefferson	211111021	68	65		82	90												
Kentucky	Trigg	212218001	69	66	70	69						68	68					61.8	61.8
Kentucky	Trigg	212219991		66	70	68	78	64	66				68	72	70	69			
Kentucky	Warren	212270008	68	58	68	66	58					64	64					56.1	56.1
Louisiana	East Baton Rouge	220331001	71	71	75	75	70					72	73						
Louisiana	Iberville	220470007	71	70	74	75	70					71	73						
Louisiana	St. Bernard	220870009	68	65	74	42						69	60						
Maine	Penobscot	230191100	64	55	54		58	42	51			57				50			
Maine	Penobscot	230199991		57	59	55	54						57						
Massachusetts	Berkshire	250034002	72	66	73	67	73	66	63			70	68	71	68	67		62.0	63.8
Massachusetts	Bristol	250051002	80	69	77	76	56					75	74					66.9	66.9
Massachusetts	Essex	250094004	75	68		69	72												
Massachusetts	Hampshire	250150103	73	70	69	61	68	59	61			70	66	66	62	62		57.3	58.5
West Virginia	Tucker	540939991		71	76	66	69	60	59	62	106		71	70	65	62	60		
Utah	Box Elder	490037001	73	62	67	66	69	65	61			67	65	67	66	65			
West Virginia	Wood	541071002	71	61	73	65	77	64	67	71	89	68	66	71	68	69	67	61.3	63.7
Wisconsin	Ashland	550030010	60	53	59	59	61	58	56	57	114	57	57	59	59	58	57		
Wisconsin	Brown	550090026	63	65	65	65	80	65	66	65	96	64	65	70	70	70	65	61.1	62.7
Wisconsin	Columbia	550210015	64	62	63	69	74	66	69	64	94	63	64	68	69	69	66	60.9	62.8
Wisconsin	Dane	550250041	63	63	61	66	74	67	66	64	97	62	63	67	69	69	65	60.6	63.1
Wisconsin	Dodge	550270001			64	71	78	67	71	66	90			71	72	72	68	66.1	66.6

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Wisconsin	Door	550290004	69	75	77	72	87	68	65	74	88	73	74	78	75	73	69	68.8	70.9
Utah	Salt Lake	490350003	80	71	75	37	68					75	61						
Utah	Salt Lake	490352004	74	74	70	73	80	75	64			72	72	74	76	73		70.5	72.4
Wisconsin	Eau Claire	550350014		75	77	60	68	60	61	59	107		70	68	62	63	60	54.9	54.9
Wisconsin	Fond du Lac	550390006	62	66	62	74	79	65	67	65	95	63	67	71	72	70	65	64.8	66.7
Utah	Tooele	490450003	70	70	74	71	74	72	69			71	71	73	72	71		68.7	69.6
Utah	Uintah	490475632		70	74		72	82											
Wisconsin	Forest	550410007	66	58	63	63	76	60	61	63	103	62	61	67	66	65	61	58.5	60.5
Wisconsin	Jefferson	550550009		67	66			69	71	65	91						68		
Utah	Utah	490495008	71	69	71	61						70	67						
Wisconsin	Kenosha	550590019	72	71	81	81	92	75	76	74	77	74	77	84	82	81	75	66.7	69.2
Utah	Washington	490530006	62	66	68	68	75					65	67					64.1	64.1
Wisconsin	Kewaunee	550610002	65	71	78	70	86	68	65	70	92	71	73	78	74	73	67	67.9	70.6
Wisconsin	La Crosse	550630012	62	59	62	64	69	61	63	61	103	61	61	65	64	64	61	57.2	58.7
Wisconsin	Manitowoc	550710007	64	78	77	76	88	73	66	77	84	73	77	80	79	75	72	71.5	72.7
Wisconsin	Marathon	550730012	64	60	60	65	69	63	64	63	100	61	61	64	65	65	63	56.8	58.3
Massachusetts	Middlesex	250171102	74	71	69	63						71	67					59.0	59.0
Massachusetts	Suffolk	250250041	72	75	70	66	67	71	60			72	70	67	68	66		60.8	62.3
Michigan	Leelanau	260890001	62			76	78												
Minnesota	Washington	271636015	63	63	62	63	54					62	62						
Mississippi	Adams	280010004	67	65	67	66						66	66						
Mississippi	Hinds	280490010	68	61	67	73	66	59	60			65	67	68	66	61		56.7	57.6
Mississippi	Hinds	280490019			38	72	69												
Missouri	Jasper	290970003		71		73	80												
Missouri	Saint Louis	291890004	66			70	83												
Missouri	St. Louis City	295100086	76			79	87												
Nebraska	Douglas	310550032	52	49	53	57	66					51	53						
Nebraska	Douglas	310550035	58	61	64	59	77	61	60			61	61	66	65	66		57.9	59.7
New Hampshire	Hillsborough	330110020	64	60	63	53	58					62	58						
New Hampshire	Sullivan	330190003	66			68	69												
New Jersey	Camden	340070003	83				86												

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
New York	Chautauqua	360130011	72	69	75	73	81					72	72					66.5	68.3
New York	Chemung	360150003	70	66	67	65	71					67	66					61.1	61.6
New York	Essex	360310002	75	69	73	64	82	65	62			72	68	73	70	69		64.6	67.1
New York	Madison	360530006	72	66	71	64	50					69	67					61.1	61.1
New York	Oneida	360650004	68	54	63	60	69					61	59					56.2	58.5
New York	Rensselaer	360830004	75	68	73	61	69					72	67					60.3	60.3
New York	Schenectady	360930003	71	64	70	59						68	64						
New York	Ulster	361111005	68	67	70	71	67					68	69					63.1	63.1
North Carolina	Alexander	370030004	76	63	71	67	67	63				70	67	68	65			56.3	57.4
North Carolina	Avery	370110002	70	61	71	62	63	59	61			67	64	65	61	61		54.1	55.5
North Carolina	Cumberland	370511003	75	66	72	76	69	62	66			71	71	72	69	65		60.2	61.3
North Carolina	Davie	370590002	81	68		76	69												
North Carolina	Davie	370590003			72	72	76	61	65					73	69	67		59.4	61.1
North Carolina	Edgecombe	370650099	75	66	72	72	71	64	62			71	70	71	69	65		61.2	62.1
North Carolina	Haywood	370870004	70	60	70	76	78					66	68						
North Carolina	Jackson	370990005		63	69	71							67					58.9	58.9
North Carolina	Martin	371170001	74	64	70	66	66	66	61			69	66	67	66	64		55.5	56.1
North Carolina	Mecklenburg	371191005	73	68	78	82	73	62	63			73	76	77	72	66		65.1	66.8
North Carolina	Rowan	371590022	82	73	78	78	77	63				77	76	77	72			62.5	64.2
Wisconsin	Milwaukee	550790010	59	66	65	69	83	61	62	63	102	63	66	72	71	68	62	61.5	63.5
Wisconsin	Milwaukee	550790026	63	67	76	70	89	66	68	66	93	68	71	78	75	74	66	66.2	69.1
Wisconsin	Milwaukee	550790085	69	72	82	72	93	70	69	68	90	74	75	82	78	77	69	71.3	73.1
Wisconsin	Outagamie	550870009	62	64	62	72	77	67	70	66	91	62	66	70	72	71	67	64.0	66.5
Wisconsin	Ozaukee	550890008	64	67	75	75	90	68	74	69	84	68	72	80	77	77	70	70.4	73.8
Wisconsin	Ozaukee	550890009	67	70	78	72	83	68	70	71	86	71	73	77	74	73	69	67.4	69.5
Wisconsin	Rock	551050030		66	66			60	72	64	91						65		
Washington	Pierce	530531008	68	64	58	55	61					63	59						
Washington	Pierce	530531010	54	58	54	51	58	48				55	54	54	52				
Wisconsin	Sauk	551110007	61	62	60	65	73	63	64	63	100	61	62	66	67	66	63	59.1	60.9
Washington	Skagit	530570018	48		37	37													
Washington	Skagit	530570020		37	86	38	48	48	48				53	57	44	48			

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Wisconsin	Sheboygan	551170006	75	74	85	84	93	78	72	81	74	78	81	87	85	81	77	77.0	79.4
Wisconsin	Taylor	551199991		74	85	62	67	61	62	62	103		73	71	63	63	61	56.4	56.4
Wisconsin	Vilas	551250001		61	63	64	64	60	61	60	106		62	63	62	61	60		
Wisconsin	Walworth	551270005	64	69	65	69	77	67	73	67	87	66	67	70	71	72	69	64.4	66.0
Wisconsin	Waukesha	551330027	60	59	62	72	75	56	67	66	94	60	64	69	67	66	63	62.0	64.2
Ohio	Franklin	390490028	69			75	77												
Ohio	Lawrence	390870006	82	63		68	83												
Ohio	Medina	391030003	75	66	70	73	76					70	69						
Ohio	Stark	391510023		63		74	73												
Oklahoma	Bryan	400130380		64	70			69	65										
Oklahoma	Carter	400190297	73			85	78												
Oklahoma	Comanche	400310649	69	70	66	81	79					68	72						
Oklahoma	Jefferson	400670671			67	84		74	69										
Oklahoma	Lincoln	400819005	62	60	59	81	78					60	66						
Oklahoma	Love	400850300		72	70			78	78										
Oklahoma	McCurtain	400892001			66	70	70											63.0	63.0
Oklahoma	Sequoyah	401359015	65	65	64	78	76					64	69						
Pennsylvania	Adams	420010002	76	64	74	67						71	68						
Pennsylvania	Allegheny	420030010	74	67	74	74	77	75				71	71	75	75			68.9	70.1
Pennsylvania	Luzerne	420791100	74	63	70	64	66	63	57			69	65	66	64	62		59.6	60.5
Pennsylvania	Perry	420990301	81	63	72	67	72	65	62			72	67	70	68	66		63.0	64.6
Pennsylvania	Philadelphia	421011002		72	88	88	83	71					82	86	80			72.1	72.1
Pennsylvania	Westmoreland	421290006	72	64	70	72	81	67	53			68	68	74	73	67		66.2	68.4
South Carolina	York	450918001		62	66		67	63											
Tennessee	Haywood	470750003	65			74	77												
Tennessee	Lawrence	470990002		68	74	69							70						
Tennessee	Loudon	471050109	77	67	76	75	75	61	67			73	72	75	70	67		63.1	65.5
Tennessee	Meigs	471210104	74	67	74	74	75	59				71	71	74	69			61.5	63.8
Tennessee	Putnam	471410004	43			74	75												
Tennessee	Rutherford	471490101	71	63	73	67	71					69	67					59.7	61.0
Tennessee	Sumner	471650101	69	64	73	76	78					68	71					63.4	65.1

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)	
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Texas	Harris	482010070	68	80	71	80	75					73	77					72.5	72.5
Texas	Hidalgo	482150042	68			76	72												
Texas	Hidalgo	482151048	41	55	61	61	60					52	59					56.4	56.8
Virginia	Fairfax	510590005	78	65	58	71	74					67	64						
Virginia	Fairfax	510590018	85	69	68	71	74					74	69						
Virginia	Fairfax	510591005	82	70	52	87	84					68	69						
Virginia	Fairfax	510595001	80	68	51	87	84					66	68						
Virginia	Alexandria City	515100009	75	66	81	84	86					74	77					69.0	71.6
Virginia	Alexandria City	515100021		66	81		56	63											
Virginia	Hampton City	516500004	79				56												
Virginia	Newport News City	517000013		66		76	74												
West Virginia	Hancock	540291004	77	67	76	73	76	69	65			73	72	75	72	70		67.4	69.2
Wisconsin	Dodge	550270007	64	66		71	78												
Wisconsin	Florence	550370001	61	59	60	60	68					60	59						
Wisconsin	Jefferson	550550002	66	67	66	68	78					66	67					62.7	64.1
Wisconsin	Milwaukee	550790041	65	68		70	89												
Wisconsin	Racine	551010017	65	71	78	76	90	66				71	75	81	77			64.6	67.4
Wisconsin	Rock	551050024	65	66	66	70	80	67				65	67	72	72			63.9	66.2
Wisconsin	St. Croix	551091002	62	61	65							62							
Wisconsin	Vernon	551230008	65	61	63	62	67					63	62						
Wisconsin	Washington	551310009	60	65	64	69	77					63	66						
Wyoming	Albany	560019991		59	62	66	71	69	66	65	96		62	66	68	68	66		
Wyoming	Big Horn	560030002		59	62			64	56	59	112						59		
Wyoming	Campbell	560050123	66	62	63	61	71	61	58	59	110	63	62	65	64	63	59	61.8	63.0
Wyoming	Campbell	560050456	64	60	61	62	69	61	59	62	106	61	61	64	64	63	60	61.2	62.1
Wyoming	Campbell	560050800		60	61	41	65						54						
Wyoming	Carbon	560070099	69	50		41	65												
Wyoming	Carbon	560070100		46	65	63	66	59	62				58	64	62	62		60.8	61.7
Wyoming	Carbon	560071000		46	65			45	60	61	106						55		
Wyoming	Converse	560090008		46	65			57	58										
Wyoming	Converse	560090801		46	65		43	67	59	59	109					56	61		

Table 3. Monitor-level ozone design values.

			Ozone Design Values															
			Annual 4th Highest Maximum (ppb)									3-yr Average (ppb)						2017 CSAPR DV (ppb)
State	County	Site ID	'08	'09	'10	'11	'12	'13	'14	'15	'16	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	Ave	Max
Wyoming	Fremont	560130099	66	80	68	68	67	62	65	63	99	71	72	67	65	64	63		
Wyoming	Fremont	560130232		59	62	66	66	66	58				62	64	66	63		62.7	63.7
Wyoming	Fremont	560130900		59	62	61	51						60						
Wyoming	Fremont	560136001		59	62			63	59										
Wyoming	Laramie	560210100		59	62	67	68	69	65	63	99		62	65	68	67	65	64.6	64.6
Wyoming	Natrona	560250100		59	62			65	61	60	106						62		
Wyoming	Natrona	560252601		59	62	61	62	57	58				60	61	60	59			
Wyoming	Sublette	560350097		59	62	72	66	59					64	66	65				
Wyoming	Sublette	560350098	82			72	66												
Wyoming	Sublette	560350099	101	66	67	103	65	61	60	57	110	78	78	78	76	62	59		
Wyoming	Sublette	560350100	74	62	63	75	67	63	62	60	105	66	66	68	68	64	61		
Wyoming	Sublette	560350101		56	62	76	67	61	57	59	111		64	68	68	61	59		
Wyoming	Sublette	560350700		56	62	64	65	64	60	59	108		60	63	64	63	61	61.8	61.8
Wyoming	Sublette	560351002			64	76	66	64	62	60	105			68	68	64	62		
Wyoming	Sublette	560359991			64	63	66	66	62	65	100			64	65	64	64		
Wyoming	Sweetwater	560370077			64	63	65	64	62	62	103			64	64	63	62		
Wyoming	Sweetwater	560370100			64			64	50										
Wyoming	Sweetwater	560370200	64	62	67	64	63	64	60	60	107	64	64	64	63	62	61	60.2	60.4
Wyoming	Sweetwater	560370300			66	68	64	67	63	71	93			66	66	64	67	62.9	62.9
Wyoming	Sweetwater	560370870			66	56	64												
Wyoming	Sweetwater	560370898	72	60		56	64												
Wyoming	Teton	560390008		60		54	67	60	60	59	108				60	62	59		
Wyoming	Teton	560391011	65	63	66	66	67	63	61	63	103	64	65	66	65	63	62	63.8	64.5
Wyoming	Uinta	560410101	64	60	65	65	67	65	59	66	102	63	63	65	65	63	63	61.6	62.2
Wyoming	Weston	560450003		60	65		44	67	59	61	107					56	62		

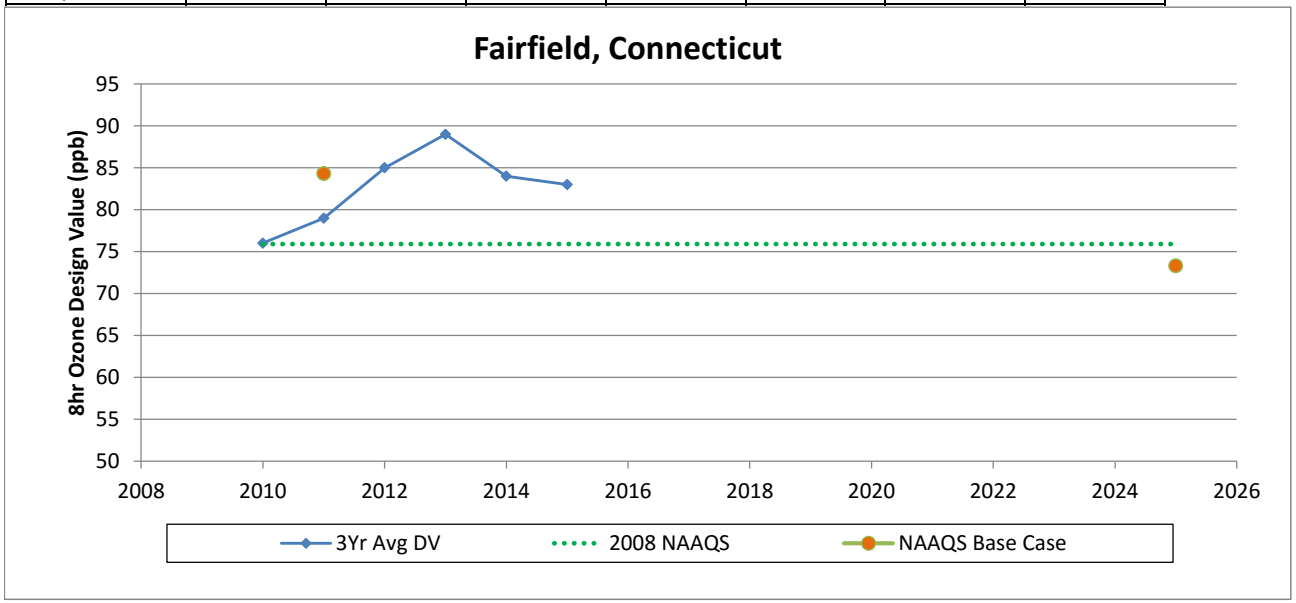
PROJECTED NONATTAINMENT SITES

IN THE EASTERN U.S.

Monitor **90013007** **Fairfield, Connecticut**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	76	79	85	89	84	83	
NAAQS Base Case		84.3					73.3



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.15
AZ	0.04
AR	0.16
CA	0.04
CO	0.11
CT	5.22
DE	0.34
DC	0.06
FL	0.02
GA	0.20
ID	0.01
IL	0.49
IN	0.76
IA	0.10
KS	0.16
KY	0.48
LA	0.06

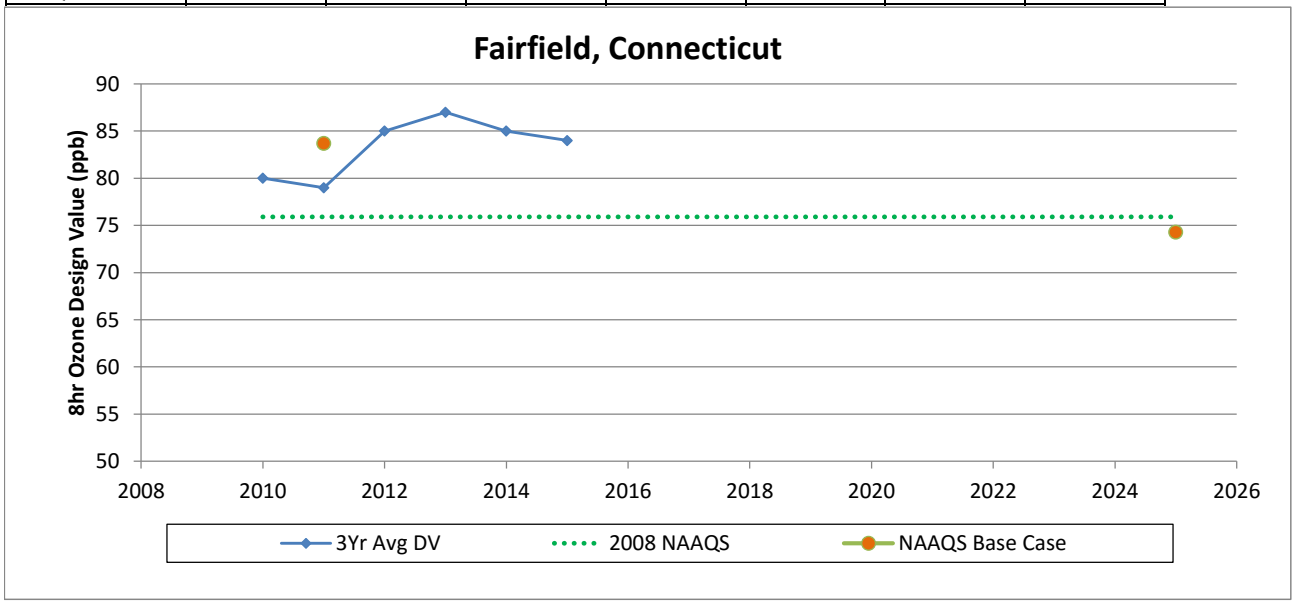
ME	0.00
MD	2.07
MA	0.05
MI	0.89
MN	0.11
MS	0.09
MO	0.27
MT	0.03
NE	0.08
NV	0.01
NH	0.01
NJ	8.45
NM	0.08
NY	15.98
NC	0.55
ND	0.04
OH	1.89

OK	0.24
OR	0.00
PA	9.29
RI	0.01
SC	0.16
SD	0.02
TN	0.31
TX	0.46
UT	0.05
VT	0.00
VA	1.87
WA	0.01
WV	0.92
WI	0.17
WY	0.12

Monitor **90019003** **Fairfield, Connecticut**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	80	79	85	87	85	84	
NAAQS Base Case		83.7					74.3



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.14
AZ	0.06
AR	0.15
CA	0.06
CO	0.14
CT	4.75
DE	0.30
DC	0.06
FL	0.04
GA	0.19
ID	0.02
IL	0.70
IN	0.89
IA	0.17
KS	0.20
KY	0.57
LA	0.08

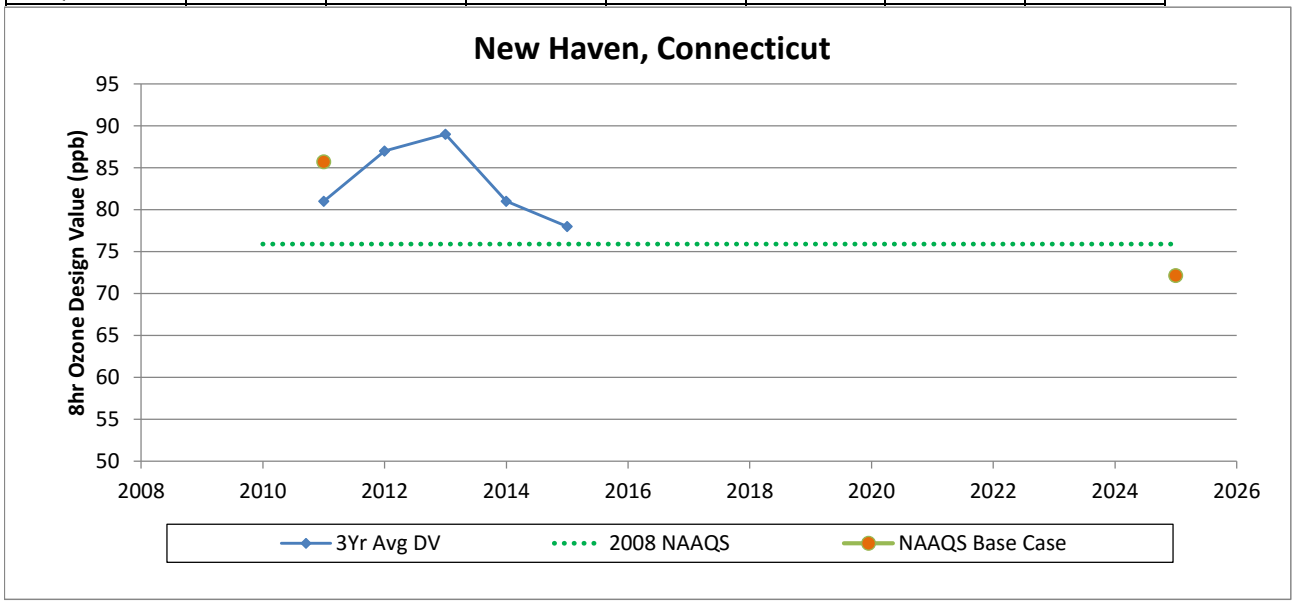
ME	0.00
MD	1.83
MA	0.03
MI	0.89
MN	0.13
MS	0.09
MO	0.38
MT	0.04
NE	0.12
NV	0.02
NH	0.00
NJ	8.84
NM	0.08
NY	16.16
NC	0.47
ND	0.06
OH	2.18

OK	0.34
OR	0.01
PA	9.39
RI	0.00
SC	0.14
SD	0.03
TN	0.28
TX	0.59
UT	0.07
VT	0.00
VA	1.75
WA	0.01
WV	0.95
WI	0.22
WY	0.20

Monitor **90099002** **New Haven, Connecticut**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV		81	87	89	81	78	
NAAQS Base Case		85.7					72.2



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.09
AZ	0.05
AR	0.12
CA	0.06
CO	0.11
CT	8.29
DE	0.37
DC	0.04
FL	0.04
GA	0.10
ID	0.04
IL	0.57
IN	0.68
IA	0.21
KS	0.20
KY	0.43
LA	0.09

ME	0.00
MD	1.55
MA	0.10
MI	0.91
MN	0.15
MS	0.06
MO	0.39
MT	0.05
NE	0.13
NV	0.02
NH	0.02
NJ	7.04
NM	0.06
NY	16.96
NC	0.38
ND	0.11
OH	1.68

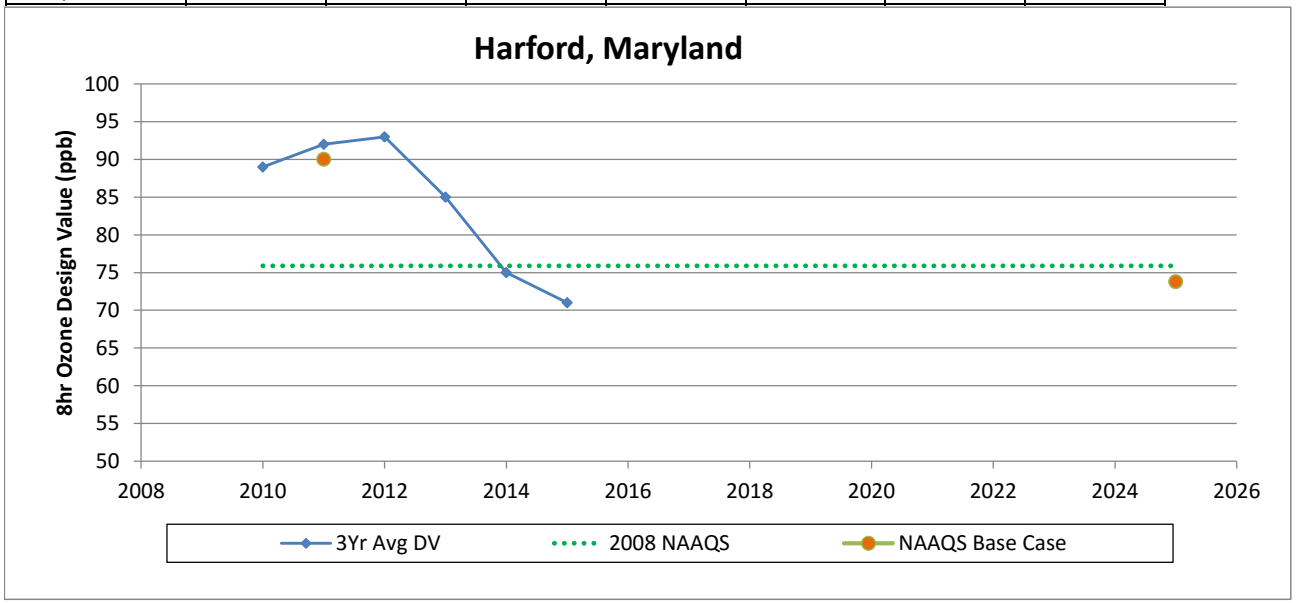
OK	0.36
OR	0.01
PA	7.16
RI	0.02
SC	0.07
SD	0.05
TN	0.18
TX	0.56
UT	0.07
VT	0.01
VA	1.22
WA	0.02
WV	0.66
WI	0.21
WY	0.19

SITES IN THE EASTERN U.S. THAT ARE PROJECTED NONATTAINMENT BUT CURRENTLY MEASURING CLEAN DATA

Monitor **240251001** **Harford, Maryland**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	89	92	93	85	75	71	
NAAQS Base Case		90					73.8



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.40
AZ	0.09
AR	0.22
CA	0.11
CO	0.19
CT	0.01
DE	0.15
DC	0.73
FL	0.11
GA	0.30
ID	0.03
IL	0.67
IN	1.88
IA	0.19
KS	0.28
KY	1.97
LA	0.25

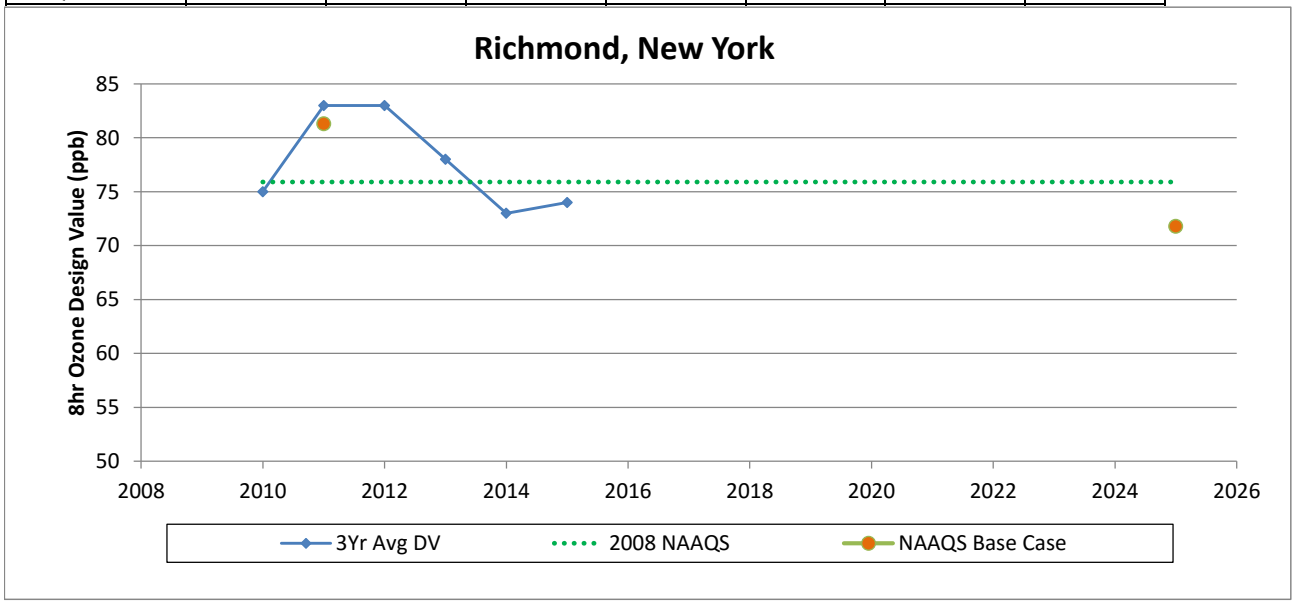
ME	0.00
MD	24.59
MA	0.00
MI	0.83
MN	0.11
MS	0.15
MO	0.52
MT	0.06
NE	0.15
NV	0.02
NH	0.00
NJ	0.43
NM	0.16
NY	0.40
NC	0.46
ND	0.08
OH	3.99

OK	0.46
OR	0.02
PA	6.07
RI	0.00
SC	0.10
SD	0.05
TN	0.70
TX	1.05
UT	0.09
VT	0.00
VA	5.29
WA	0.03
WV	2.99
WI	0.21
WY	0.20

Monitor **360850067** **Richmond, New York**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	75	83	83	78	73	74	
NAAQS Base Case		81.3					71.8



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.25
AZ	0.08
AR	0.16
CA	0.09
CO	0.15
CT	0.30
DE	0.68
DC	0.08
FL	0.09
GA	0.30
ID	0.04
IL	0.74
IN	1.02
IA	0.27
KS	0.27
KY	0.96
LA	0.15

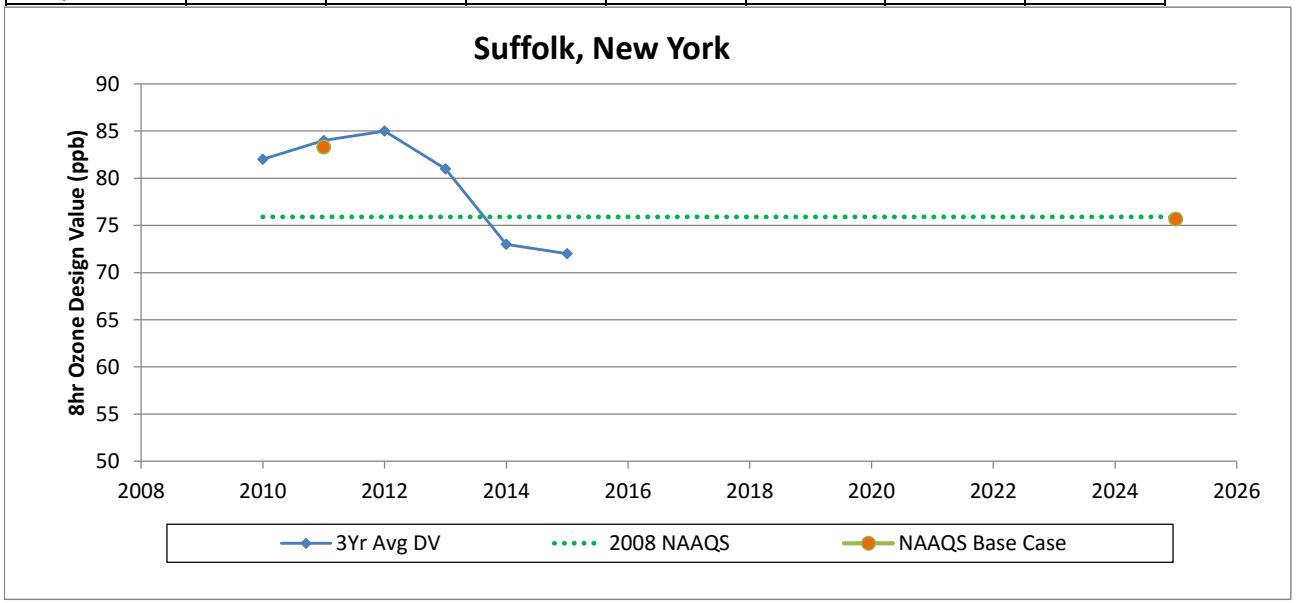
ME	0.00
MD	2.39
MA	0.04
MI	1.20
MN	0.16
MS	0.11
MO	0.54
MT	0.06
NE	0.18
NV	0.02
NH	0.00
NJ	12.38
NM	0.12
NY	4.57
NC	0.55
ND	0.11
OH	2.70

OK	0.44
OR	0.01
PA	13.51
RI	0.00
SC	0.14
SD	0.07
TN	0.42
TX	0.83
UT	0.10
VT	0.00
VA	2.27
WA	0.02
WV	1.64
WI	0.33
WY	0.22

Monitor **361030002** **Suffolk, New York**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	82	84	85	81	73	72	
NAAQS Base Case		83.3					75.7



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.19
AZ	0.07
AR	0.17
CA	0.08
CO	0.16
CT	0.46
DE	0.32
DC	0.04
FL	0.06
GA	0.19
ID	0.05
IL	0.79
IN	1.03
IA	0.30
KS	0.30
KY	0.71
LA	0.13

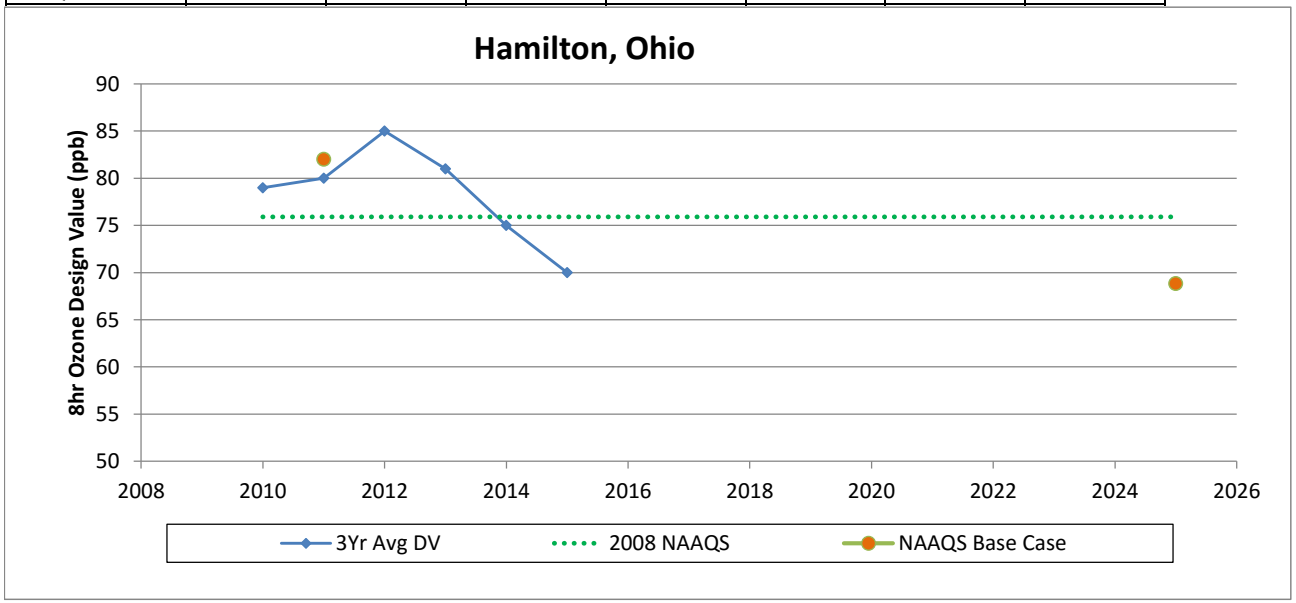
ME	0.00
MD	1.47
MA	0.01
MI	1.34
MN	0.18
MS	0.11
MO	0.58
MT	0.07
NE	0.21
NV	0.02
NH	0.00
NJ	11.37
NM	0.09
NY	15.95
NC	0.38
ND	0.14
OH	2.49

OK	0.52
OR	0.01
PA	9.39
RI	0.00
SC	0.08
SD	0.08
TN	0.35
TX	0.82
UT	0.10
VT	0.00
VA	1.62
WA	0.02
WV	0.98
WI	0.27
WY	0.26

Monitor **390610006** **Hamilton, Ohio**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	79	80	85	81	75	70	
NAAQS Base Case		82					68.8



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.79
AZ	0.06
AR	0.62
CA	0.09
CO	0.18
CT	0.00
DE	0.00
DC	0.00
FL	0.11
GA	0.58
ID	0.04
IL	1.28
IN	7.15
IA	0.29
KS	0.34
KY	11.17
LA	0.26

ME	0.00
MD	0.01
MA	0.00
MI	0.99
MN	0.23
MS	0.30
MO	0.77
MT	0.10
NE	0.19
NV	0.03
NH	0.00
NJ	0.00
NM	0.14
NY	0.11
NC	0.13
ND	0.12
OH	16.72

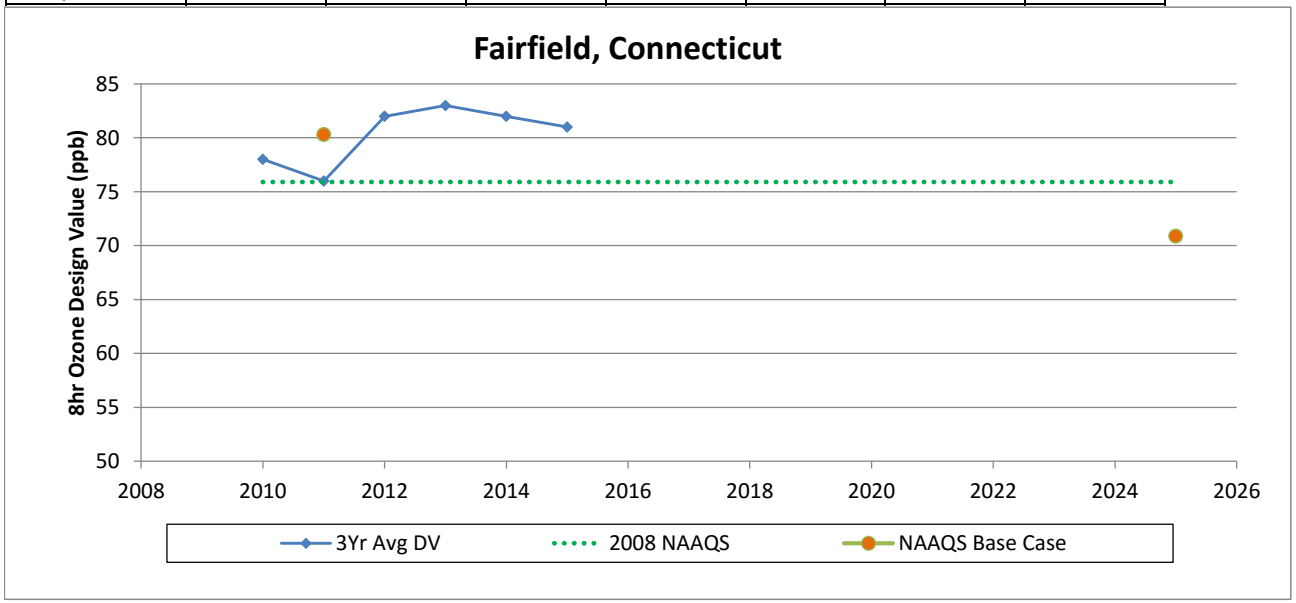
OK	0.76
OR	0.03
PA	0.37
RI	0.00
SC	0.14
SD	0.06
TN	1.67
TX	1.74
UT	0.08
VT	0.00
VA	0.11
WA	0.04
WV	0.97
WI	0.56
WY	0.22

PROJECTED MAINTENANCE SITES IN THE EASTERN U.S. BASED ON THE CSAPR METHODOLOGY

Monitor **90010017** **Fairfield, Connecticut**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	78	76	82	83	82	81	
NAAQS Base Case		80.3					70.9



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.10
AZ	0.04
AR	0.11
CA	0.05
CO	0.10
CT	9.04
DE	0.22
DC	0.04
FL	0.03
GA	0.11
ID	0.03
IL	0.50
IN	0.62
IA	0.21
KS	0.18
KY	0.35
LA	0.07

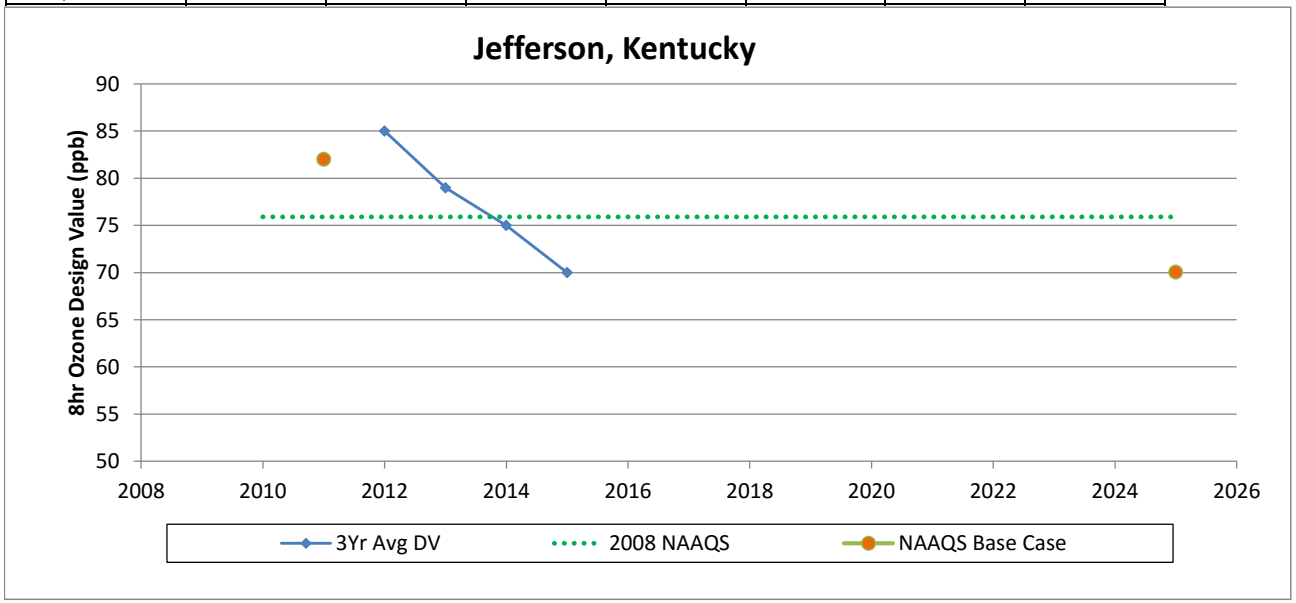
ME	0.01
MD	1.34
MA	0.06
MI	0.98
MN	0.25
MS	0.07
MO	0.34
MT	0.06
NE	0.13
NV	0.01
NH	0.01
NJ	7.98
NM	0.05
NY	17.21
NC	0.33
ND	0.13
OH	1.57

OK	0.30
OR	0.01
PA	7.14
RI	0.01
SC	0.07
SD	0.06
TN	0.17
TX	0.47
UT	0.06
VT	0.01
VA	1.51
WA	0.02
WV	0.67
WI	0.35
WY	0.16

Monitor **211110067** **Jefferson, Kentucky**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV			85	79	75	70	
NAAQS Base Case		82					70.1



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.04
AZ	0.03
AR	0.06
CA	0.07
CO	0.13
CT	0.00
DE	0.00
DC	0.00
FL	0.03
GA	0.04
ID	0.05
IL	1.15
IN	11.33
IA	0.23
KS	0.21
KY	22.87
LA	0.10

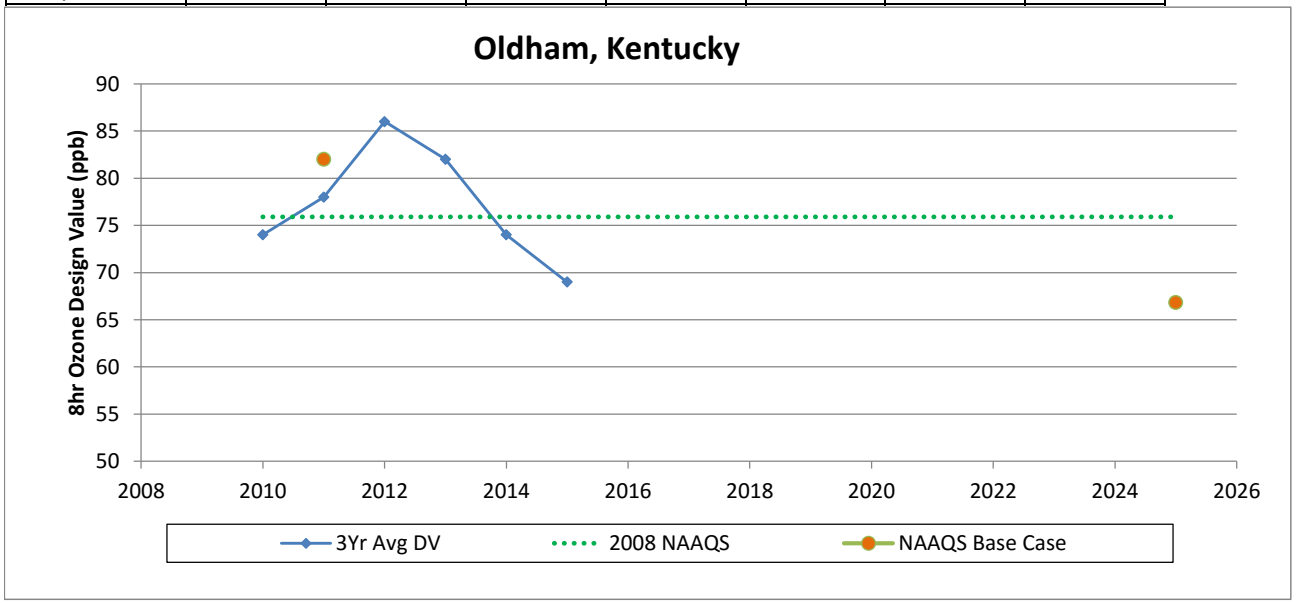
ME	0.00
MD	0.00
MA	0.00
MI	1.20
MN	0.35
MS	0.04
MO	0.27
MT	0.17
NE	0.16
NV	0.02
NH	0.00
NJ	0.00
NM	0.08
NY	0.00
NC	0.01
ND	0.24
OH	4.05

OK	0.35
OR	0.02
PA	0.46
RI	0.00
SC	0.01
SD	0.12
TN	0.11
TX	0.66
UT	0.05
VT	0.00
VA	0.01
WA	0.07
WV	0.61
WI	0.55
WY	0.27

Monitor **211850004** **Oldham, Kentucky**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	74	78	86	82	74	69	
NAAQS Base Case		82					66.8



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.06
AZ	0.03
AR	0.85
CA	0.05
CO	0.14
CT	0.00
DE	0.00
DC	0.00
FL	0.03
GA	0.04
ID	0.04
IL	0.89
IN	14.95
IA	0.14
KS	0.17
KY	20.93
LA	0.33

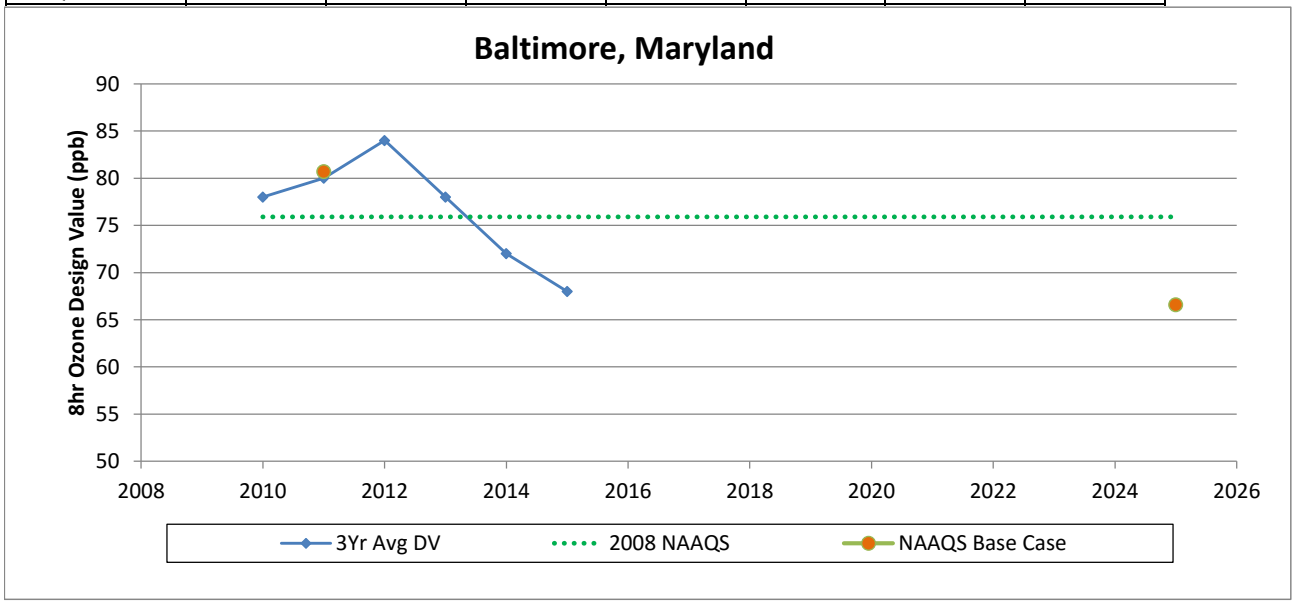
ME	0.00
MD	0.00
MA	0.00
MI	0.91
MN	0.25
MS	0.10
MO	0.82
MT	0.15
NE	0.13
NV	0.01
NH	0.00
NJ	0.00
NM	0.06
NY	0.00
NC	0.02
ND	0.20
OH	3.13

OK	0.22
OR	0.02
PA	0.35
RI	0.00
SC	0.02
SD	0.09
TN	0.11
TX	0.39
UT	0.05
VT	0.00
VA	0.00
WA	0.06
WV	0.40
WI	0.41
WY	0.24

Monitor **240053001** **Baltimore, Maryland**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	78	80	84	78	72	68	
NAAQS Base Case		80.7					66.6



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.34
AZ	0.07
AR	0.20
CA	0.08
CO	0.14
CT	0.01
DE	0.12
DC	0.64
FL	0.10
GA	0.27
ID	0.02
IL	0.64
IN	1.53
IA	0.19
KS	0.22
KY	1.77
LA	0.20

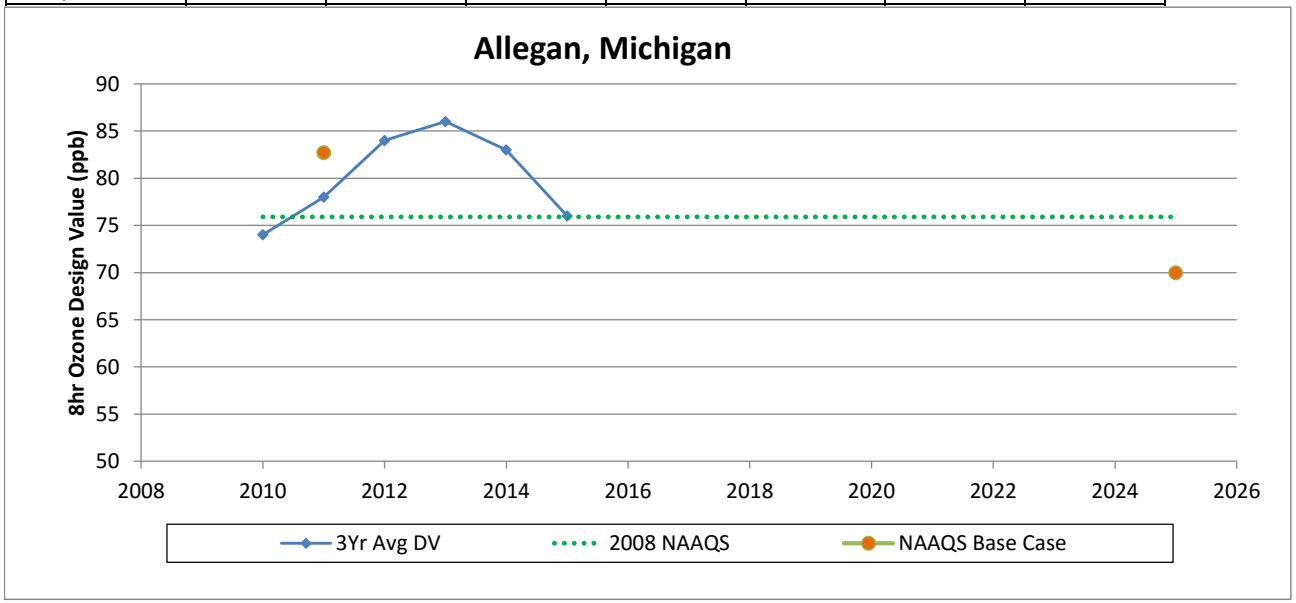
ME	0.00
MD	23.15
MA	0.01
MI	0.69
MN	0.11
MS	0.13
MO	0.47
MT	0.05
NE	0.13
NV	0.02
NH	0.00
NJ	0.37
NM	0.12
NY	0.35
NC	0.93
ND	0.07
OH	2.98

OK	0.35
OR	0.01
PA	4.80
RI	0.00
SC	0.14
SD	0.05
TN	0.67
TX	0.77
UT	0.07
VT	0.00
VA	4.70
WA	0.02
WV	2.65
WI	0.19
WY	0.17

Monitor **260050003** **Allegan, Michigan**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	74	78	84	86	83	76	
NAAQS Base Case		82.7					70.0



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.33
AZ	0.08
AR	2.15
CA	0.06
CO	0.23
CT	0.00
DE	0.00
DC	0.00
FL	0.13
GA	0.20
ID	0.01
IL	23.17
IN	8.02
IA	0.85
KS	1.03
KY	0.53
LA	0.57

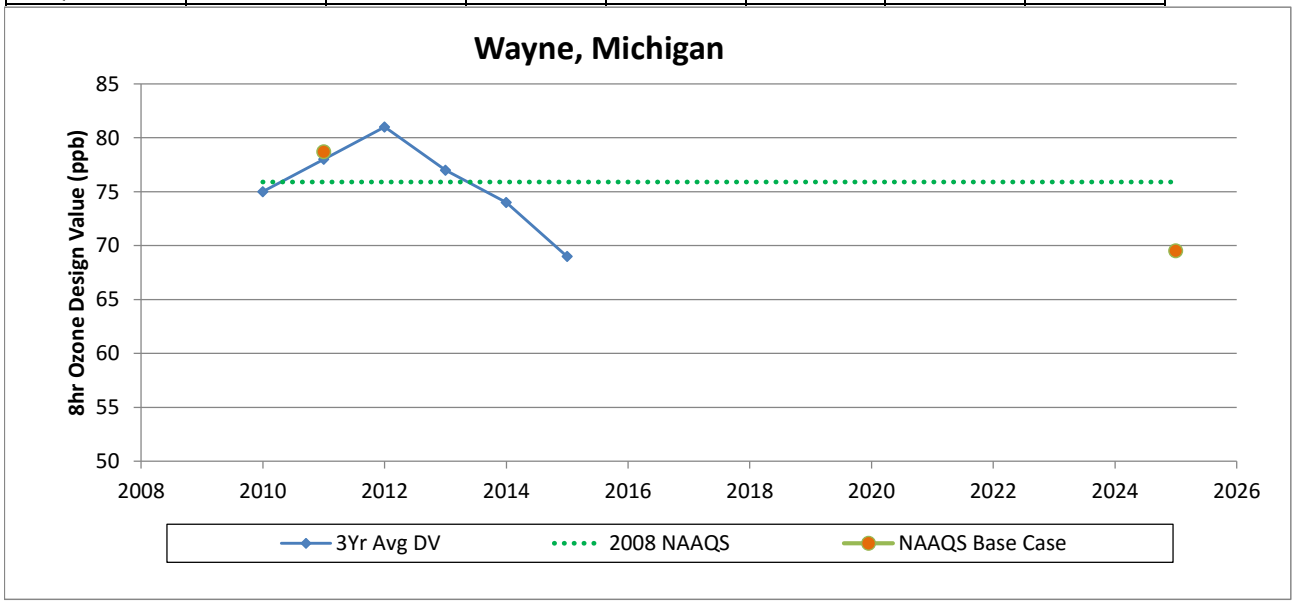
ME	0.00
MD	0.01
MA	0.00
MI	2.74
MN	0.06
MS	0.42
MO	3.69
MT	0.01
NE	0.17
NV	0.01
NH	0.00
NJ	0.00
NM	0.21
NY	0.00
NC	0.05
ND	0.01
OH	0.10

OK	1.78
OR	0.00
PA	0.02
RI	0.00
SC	0.05
SD	0.02
TN	0.68
TX	2.95
UT	0.06
VT	0.00
VA	0.03
WA	0.00
WV	0.03
WI	2.59
WY	0.12

Monitor **261630019** **Wayne, Michigan**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	75	78	81	77	74	69	
NAAQS Base Case		78.7					69.5



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.02
AZ	0.03
AR	0.09
CA	0.10
CO	0.10
CT	0.00
DE	0.00
DC	0.00
FL	0.03
GA	0.03
ID	0.05
IL	0.90
IN	2.64
IA	0.30
KS	0.23
KY	0.67
LA	0.11

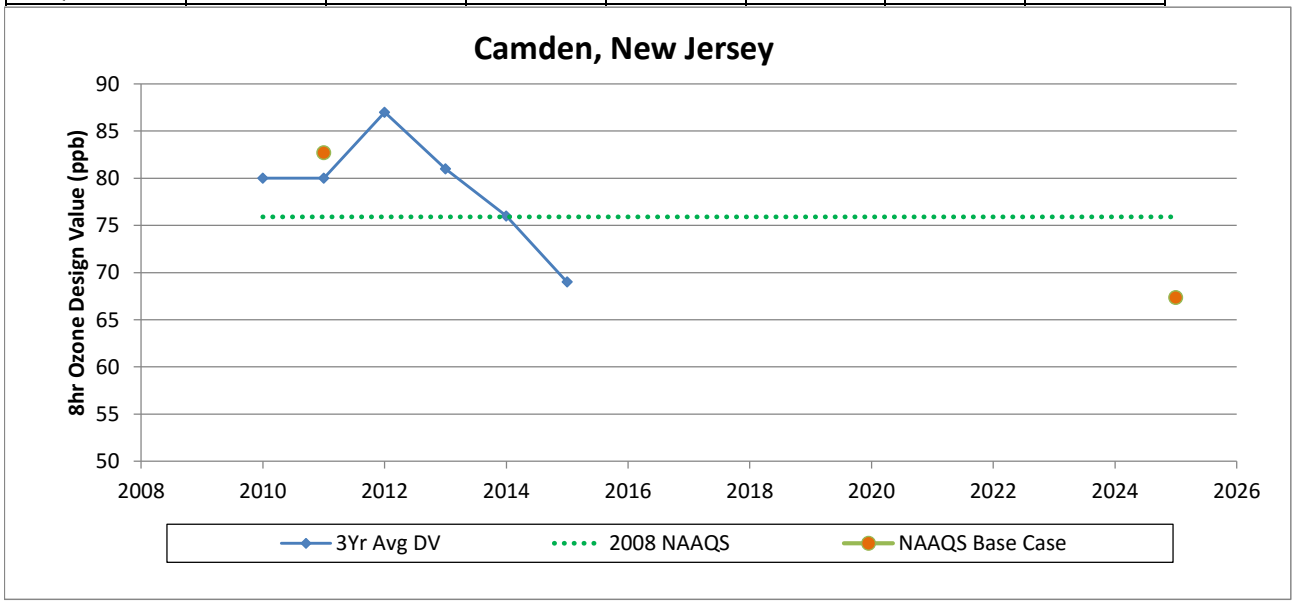
ME	0.00
MD	0.03
MA	0.00
MI	20.77
MN	0.47
MS	0.04
MO	0.28
MT	0.13
NE	0.09
NV	0.03
NH	0.00
NJ	0.01
NM	0.04
NY	0.10
NC	0.32
ND	0.28
OH	7.92

OK	0.22
OR	0.06
PA	0.27
RI	0.00
SC	0.04
SD	0.04
TN	0.12
TX	0.52
UT	0.07
VT	0.00
VA	0.24
WA	0.09
WV	0.27
WI	1.00
WY	0.20

Monitor **340071001** **Camden, New Jersey**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	80	80	87	81	76	69	
NAAQS Base Case		82.7					67.4



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.32
AZ	0.11
AR	0.37
CA	0.11
CO	0.20
CT	0.17
DE	1.36
DC	0.00
FL	0.07
GA	0.15
ID	0.04
IL	1.33
IN	1.71
IA	0.37
KS	0.42
KY	0.93
LA	0.58

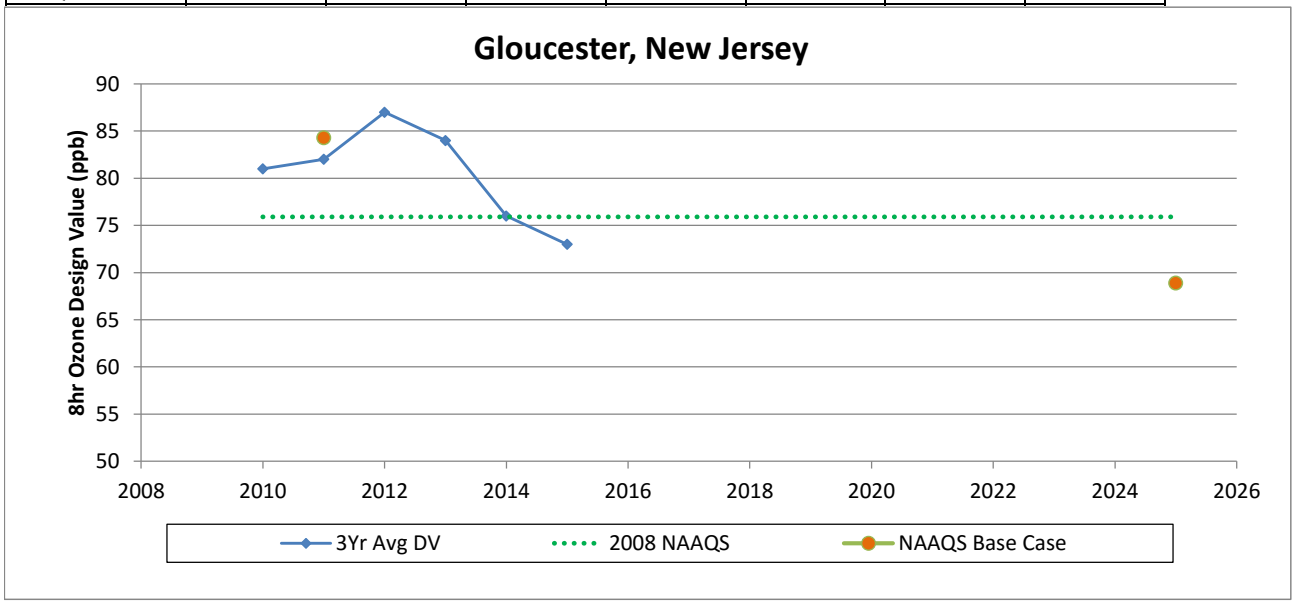
ME	0.02
MD	0.57
MA	0.17
MI	1.43
MN	0.15
MS	0.26
MO	0.76
MT	0.07
NE	0.23
NV	0.02
NH	0.04
NJ	10.93
NM	0.22
NY	2.70
NC	0.07
ND	0.10
OH	4.16

OK	0.69
OR	0.02
PA	15.93
RI	0.03
SC	0.04
SD	0.09
TN	0.25
TX	1.52
UT	0.10
VT	0.04
VA	0.32
WA	0.03
WV	1.07
WI	0.44
WY	0.24

Monitor **340150002** **Gloucester, New Jersey**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	81	82	87	84	76	73	
NAAQS Base Case		84.3					68.9



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.34
AZ	0.10
AR	0.15
CA	0.11
CO	0.16
CT	0.10
DE	2.23
DC	0.30
FL	0.14
GA	0.33
ID	0.03
IL	0.87
IN	1.02
IA	0.27
KS	0.17
KY	1.23
LA	0.26

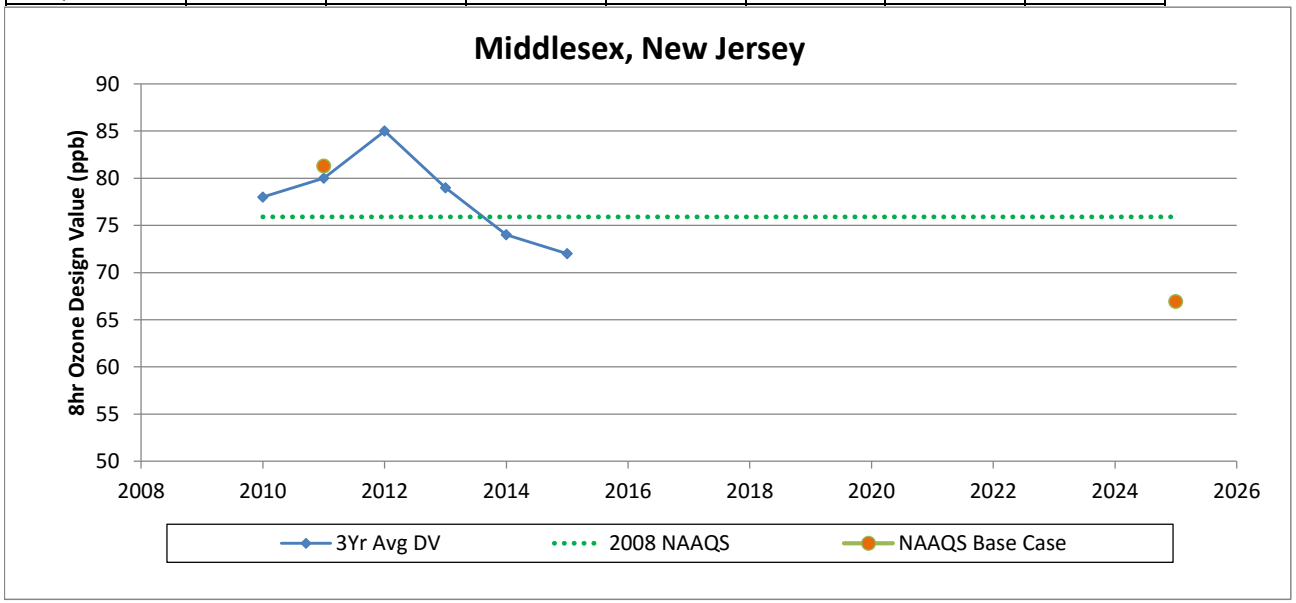
ME	0.00
MD	7.11
MA	0.09
MI	1.01
MN	0.15
MS	0.13
MO	0.48
MT	0.06
NE	0.11
NV	0.02
NH	0.01
NJ	4.41
NM	0.19
NY	1.22
NC	0.33
ND	0.07
OH	3.85

OK	0.35
OR	0.01
PA	15.73
RI	0.02
SC	0.07
SD	0.04
TN	0.38
TX	1.07
UT	0.08
VT	0.02
VA	3.33
WA	0.02
WV	2.35
WI	0.44
WY	0.19

Monitor **340230011** **Middlesex, New Jersey**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	78	80	85	79	74	72	
NAAQS Base Case		81.3					66.9



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.28
AZ	0.08
AR	0.12
CA	0.08
CO	0.14
CT	0.33
DE	0.73
DC	0.07
FL	0.09
GA	0.31
ID	0.03
IL	0.58
IN	0.85
IA	0.18
KS	0.17
KY	1.08
LA	0.14

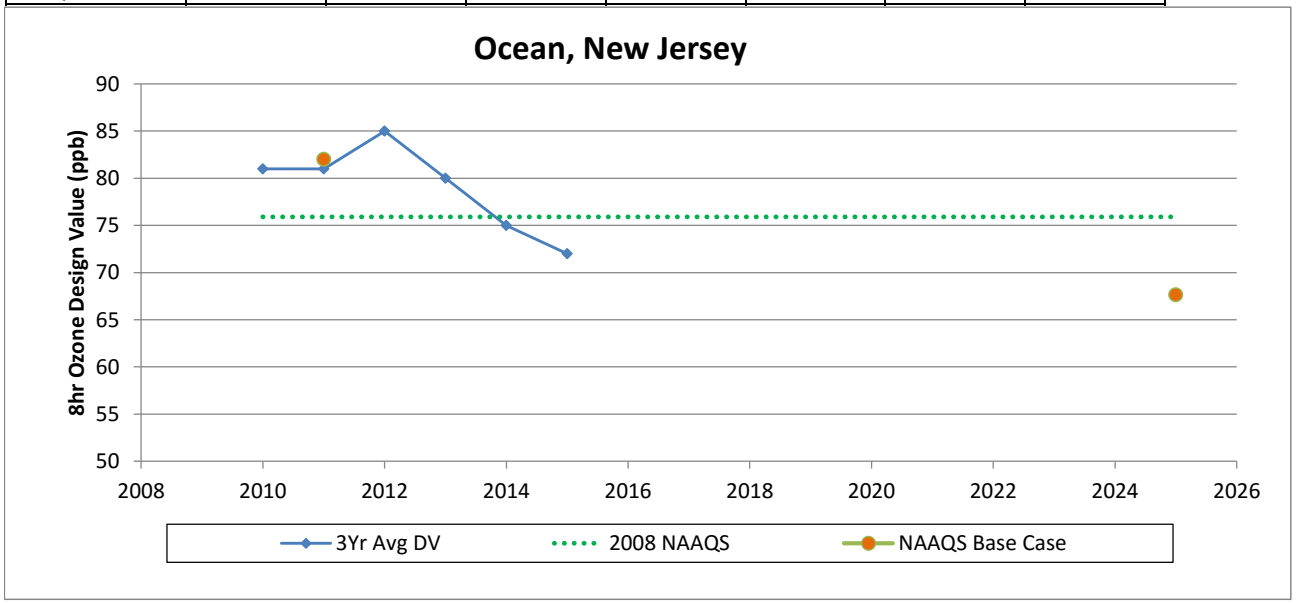
ME	0.08
MD	2.35
MA	0.33
MI	0.62
MN	0.12
MS	0.10
MO	0.38
MT	0.04
NE	0.10
NV	0.02
NH	0.07
NJ	10.78
NM	0.12
NY	3.71
NC	0.50
ND	0.05
OH	2.42

OK	0.32
OR	0.01
PA	15.16
RI	0.07
SC	0.12
SD	0.03
TN	0.48
TX	0.73
UT	0.08
VT	0.05
VA	2.10
WA	0.01
WV	1.91
WI	0.30
WY	0.17

Monitor **340290006** **Ocean, New Jersey**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	81	81	85	80	75	72	
NAAQS Base Case		82					67.7



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.21
AZ	0.06
AR	0.23
CA	0.08
CO	0.15
CT	0.36
DE	0.76
DC	0.06
FL	0.05
GA	0.17
ID	0.04
IL	0.80
IN	1.06
IA	0.34
KS	0.26
KY	0.88
LA	0.19

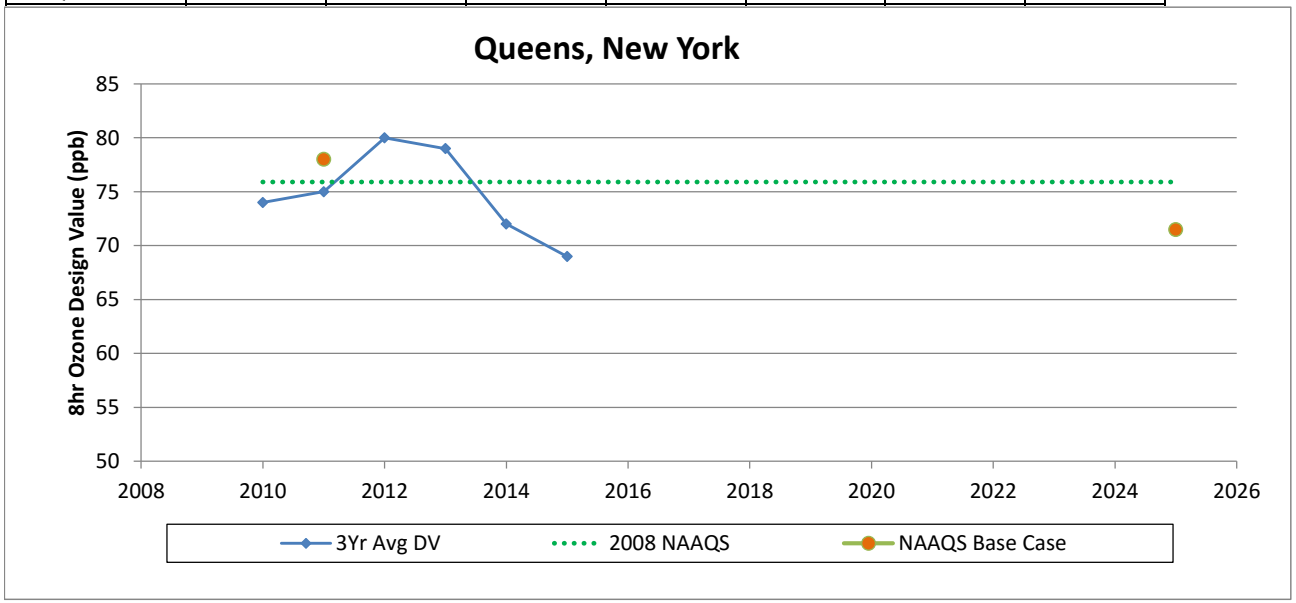
ME	0.07
MD	2.01
MA	0.37
MI	1.31
MN	0.17
MS	0.12
MO	0.52
MT	0.07
NE	0.17
NV	0.02
NH	0.07
NJ	11.44
NM	0.10
NY	5.10
NC	0.33
ND	0.11
OH	2.54

OK	0.44
OR	0.02
PA	13.30
RI	0.08
SC	0.09
SD	0.07
TN	0.40
TX	0.95
UT	0.08
VT	0.05
VA	1.07
WA	0.03
WV	1.08
WI	0.47
WY	0.22

Monitor **360810124** **Queens, New York**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	74	75	80	79	72	69	
NAAQS Base Case		78					71.5



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.13
AZ	0.07
AR	0.12
CA	0.09
CO	0.13
CT	0.41
DE	0.60
DC	0.07
FL	0.08
GA	0.20
ID	0.05
IL	0.84
IN	0.80
IA	0.34
KS	0.24
KY	0.49
LA	0.14

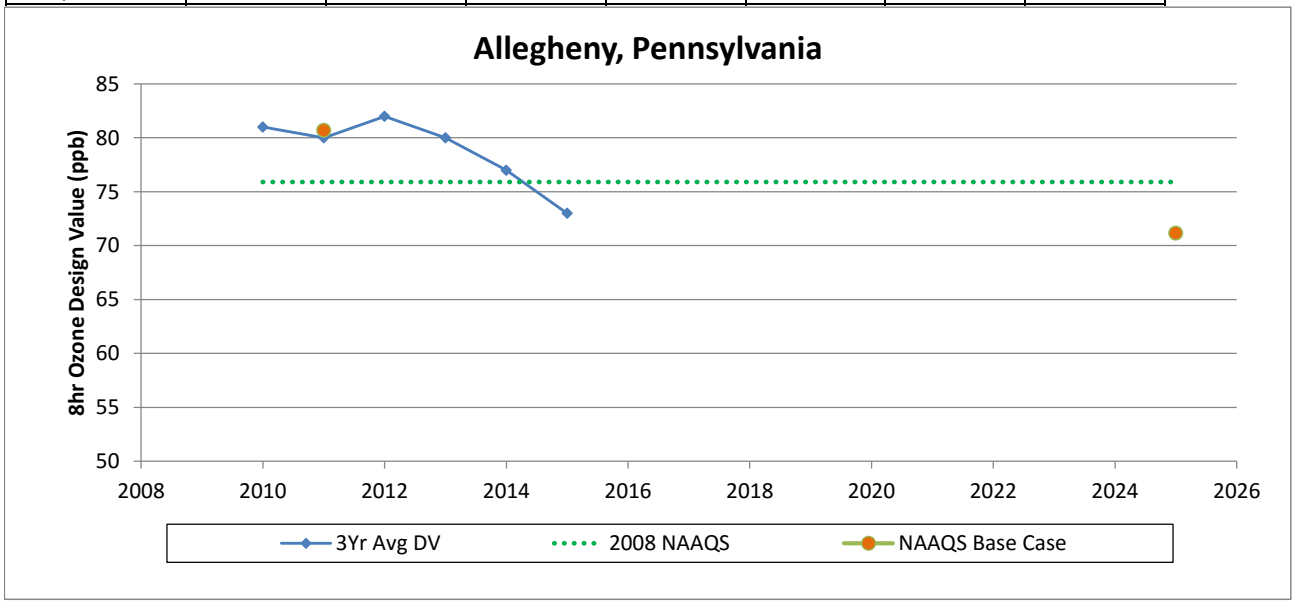
ME	0.00
MD	2.15
MA	0.06
MI	1.79
MN	0.21
MS	0.06
MO	0.49
MT	0.09
NE	0.18
NV	0.02
NH	0.01
NJ	11.48
NM	0.09
NY	10.61
NC	0.39
ND	0.17
OH	2.36

OK	0.43
OR	0.02
PA	8.83
RI	0.01
SC	0.11
SD	0.08
TN	0.16
TX	0.76
UT	0.09
VT	0.00
VA	2.10
WA	0.03
WV	0.92
WI	0.49
WY	0.24

Monitor **420031005** **Allegheny, Pennsylvania**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	81	80	82	80	77	73	
NAAQS Base Case		80.7					71.2



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.16
AZ	0.05
AR	0.22
CA	0.11
CO	0.13
CT	0.00
DE	0.00
DC	0.00
FL	0.06
GA	0.17
ID	0.07
IL	1.35
IN	1.86
IA	0.17
KS	0.32
KY	1.64
LA	0.17

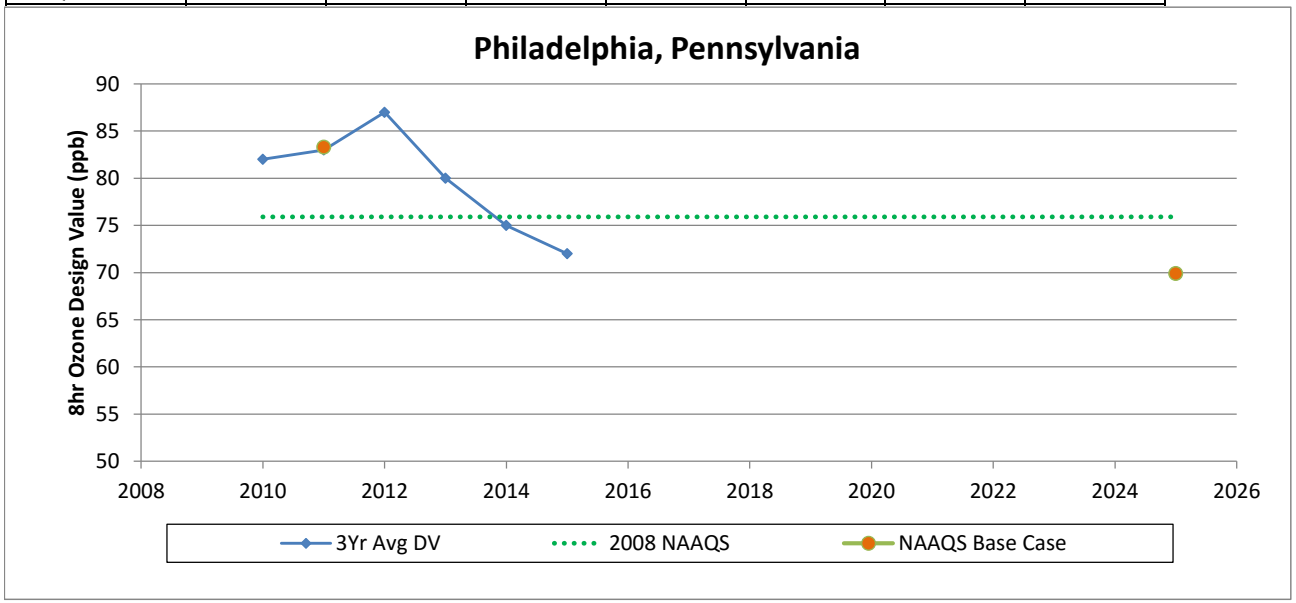
ME	0.00
MD	0.05
MA	0.00
MI	1.51
MN	0.15
MS	0.13
MO	0.55
MT	0.13
NE	0.21
NV	0.03
NH	0.00
NJ	0.00
NM	0.09
NY	0.24
NC	0.07
ND	0.11
OH	7.89

OK	0.48
OR	0.04
PA	23.66
RI	0.00
SC	0.05
SD	0.10
TN	0.62
TX	0.84
UT	0.07
VT	0.00
VA	0.16
WA	0.05
WV	2.47
WI	0.33
WY	0.21

Monitor **421010024** **Philadelphia, Pennsylvania**

Ozone MDA8 Design Value (ppb)

	2010	2011	2012	2013	2014	2015	2025
3Yr Avg DV	82	83	87	80	75	72	
NAAQS Base Case		83.3					69.9



CSAPR Identified Contributions (2017 APCA Modeling)

AL	0.51
AZ	0.09
AR	0.23
CA	0.09
CO	0.16
CT	0.03
DE	1.33
DC	0.16
FL	0.14
GA	0.54
ID	0.02
IL	0.65
IN	1.71
IA	0.17
KS	0.21
KY	2.14
LA	0.18

ME	0.00
MD	5.10
MA	0.03
MI	0.33
MN	0.07
MS	0.17
MO	0.52
MT	0.04
NE	0.11
NV	0.02
NH	0.00
NJ	1.66
NM	0.16
NY	0.20
NC	0.72
ND	0.04
OH	3.55

OK	0.38
OR	0.01
PA	21.46
RI	0.00
SC	0.20
SD	0.03
TN	0.90
TX	0.94
UT	0.07
VT	0.00
VA	2.63
WA	0.00
WV	3.11
WI	0.14
WY	0.16