

Facility	State	ORIS	Boiler	CAMD ID	Unit Type	2017 NOx (tons)	2017 Heat Input (mmBtu)	2017 NOx Rate (lb/mmBtu)	2016 Heat Input (mmBtu)	2016 Gross Generation (mWth)	2016 Capacity Factor	2016 NOx (tons)	2023 NOx (tons)	Reason for Adjustment
Greenidge Generation LLC	NY	2527	6	1759	Tangentially-fired	128.0	1,432,134	0.179	31,503	2,070	1%	3		Optimize SCR to 0.10 lb/mmBtu
Massena Energy Facility	NY	54592	001	3783	Combined cycle	3.9	15,930	0.490	5,561,371	581,267	24%	505	278	Optimize SCR to 0.10 lb/mmBtu
Somerset Operating Company (Kintigh)	NY	6082	1	2761	Dry bottom wall-fired boiler	85.9	1,007,915	0.171	5,561,371	581,267	24%	505	278	Optimize SCR to 0.10 lb/mmBtu
AMP-Ohio Gas Turbines Gailon	OH	55263	CT1	4363	Combustion turbine	1.5	19,581	0.150	30,199	2,212	2%	2	2	Optimize SCR to 0.10 lb/mmBtu
AMP-Ohio Gas Turbines Napoleon	OH	55264	CT1	4365	Combustion turbine	3.7	45,690	0.149	33,289	2,101	2%	2	2	Optimize SCR to 0.10 lb/mmBtu
Gen J M Gavin	OH	8102	1	3461	Cell burner boiler	1,806.2	34,470,988	0.105	34,012,071	3,416,578	78%	1,912	1,701	Optimize SCR to 0.10 lb/mmBtu
Kyger Creek	OH	2876	1	1971	Wet bottom wall-fired boiler	173.7	5,745,706	0.060	5,858,620	578,434	61%	531	293	Optimize SCR to 0.10 lb/mmBtu
Kyger Creek	OH	2876	2	1972	Wet bottom wall-fired boiler	156.0	5,239,657	0.063	5,352,170	528,705	55%	508	268	Optimize SCR to 0.10 lb/mmBtu
Kyger Creek	OH	2876	3	1973	Wet bottom wall-fired boiler	171.4	5,403,639	0.063	5,770,456	575,183	60%	562	289	Optimize SCR to 0.10 lb/mmBtu
Kyger Creek	OH	2876	4	1974	Wet bottom wall-fired boiler	174.9	5,458,624	0.064	5,322,115	532,642	55%	476	266	Optimize SCR to 0.10 lb/mmBtu
Kyger Creek	OH	2876	5	1975	Wet bottom wall-fired boiler	166.8	5,193,417	0.064	5,663,706	563,474	59%	530	283	Optimize SCR to 0.10 lb/mmBtu
Miami Fort Power Station	OH	2832	7	1895	Cell burner boiler	753.3	13,190,753	0.114	15,487,535	1,623,266	76%	796	774	Optimize SCR to 0.10 lb/mmBtu
Miami Fort Power Station	OH	2832	8	1896	Dry bottom wall-fired boiler	951.9	12,020,331	0.158	13,026,033	1,552,677	71%	1,116	651	Optimize SCR to 0.10 lb/mmBtu
W H Sammis	OH	2866	6	1961	Dry bottom wall-fired boiler	623.4	12,207,537	0.102	13,727,099	1,547,935	51%	716	686	Optimize SCR to 0.10 lb/mmBtu
W H Zimmer Generating Station	OH	6019	1	2683	Dry bottom wall-fired boiler	2,971.9	30,827,253	0.193	32,508,515	3,762,307	66%	3,240	1,625	Optimize SCR to 0.10 lb/mmBtu
Bruce Mansfield	PA	6094	1	2770	Dry bottom wall-fired boiler	439.8	13,541,413	0.065	14,331,148	1,583,080	44%	968	717	Optimize SCR to 0.10 lb/mmBtu
Bruce Mansfield	PA	6094	2	2771	Dry bottom wall-fired boiler	491.4	12,677,401	0.078	20,457,910	2,349,576	62%	1,626	1,023	Optimize SCR to 0.10 lb/mmBtu
Bruce Mansfield	PA	6094	3	2772	Dry bottom wall-fired boiler	450.7	10,916,224	0.083	21,689,747	2,425,036	68%	2,009	1,084	Optimize SCR to 0.10 lb/mmBtu
Cheswick	PA	8226	1	3475	Tangentially-fired	532.7	6,834,411	0.156	10,586,120	1,045,079	46%	2,086	529	Optimize SCR to 0.10 lb/mmBtu
Conemaugh	PA	3118	1	2065	Tangentially-fired	805.4	22,358,935	0.072	20,538,666	2,104,248	61%	1,822	1,027	Optimize SCR to 0.10 lb/mmBtu
Homer City	PA	3122	1	2072	Dry bottom wall-fired boiler	963.8	10,981,748	0.176	11,612,798	1,171,548	47%	1,438	581	Optimize SCR to 0.10 lb/mmBtu
Homer City	PA	3122	2	2073	Dry bottom wall-fired boiler	443.8	4,954,466	0.179	7,870,946	824,348	32%	1,410	394	Optimize SCR to 0.10 lb/mmBtu
Homer City	PA	3122	3	2074	Dry bottom wall-fired boiler	332.8	5,795,026	0.115	13,004,787	1,320,226	49%	1,854	650	Optimize SCR to 0.10 lb/mmBtu
Keystone	PA	3136	1	2089	Tangentially-fired	1,057.2	24,847,854	0.085	24,209,336	2,471,246	74%	1,859	1,210	Optimize SCR to 0.10 lb/mmBtu
Keystone	PA	3136	2	2090	Tangentially-fired	947.1	27,247,115	0.070	21,909,119	2,290,089	67%	1,749	1,095	Optimize SCR to 0.10 lb/mmBtu
Montour, LLC	PA	3149	1	2124	Tangentially-fired	462.8	6,412,016	0.144	11,961,099	1,324,219	44%	2,316	598	Optimize SCR to 0.10 lb/mmBtu
Montour, LLC	PA	3149	2	2125	Tangentially-fired	497.9	6,528,253	0.153	11,259,648	1,293,343	42%	2,129	563	Optimize SCR to 0.10 lb/mmBtu
W A Parish	TX	3470	CTSC: 90816	Combustion turbine	No unit match in CAMD				128,751	9,449	3%	6	6	Optimize SCR to 0.10 lb/mmBtu
Harrison Power Station	WV	3944	1	2553	Dry bottom wall-fired boiler	1,038.3	19,870,526	0.105	22,602,245	2,366,899	81%	1,235	1,130	Optimize SCR to 0.10 lb/mmBtu
Harrison Power Station	WV	3944	2	2554	Dry bottom wall-fired boiler	911.7	21,035,930	0.087	16,669,936	1,787,310	61%	2,004	833	Optimize SCR to 0.10 lb/mmBtu
Harrison Power Station	WV	3944	3	2555	Dry bottom wall-fired boiler	593.1	16,440,316	0.072	21,974,924	2,285,081	78%	2,033	1,099	Optimize SCR to 0.10 lb/mmBtu
John E Amos	WV	3935	3	2540	Cell burner boiler	1,581.8	28,058,104	0.113	23,502,465	2,438,995	54%	1,268	1,175	Optimize SCR to 0.10 lb/mmBtu
Pleasants Power Station	WV	6004	1	2673	Dry bottom wall-fired boiler	369.4	8,843,864	0.084	15,535,826	1,769,486	53%	1,442	777	Optimize SCR to 0.10 lb/mmBtu
Pleasants Power Station	WV	6004	2	2674	Dry bottom wall-fired boiler	1,201.8	18,246,221	0.132	14,784,129	1,657,827	46%	1,203	739	Optimize SCR to 0.10 lb/mmBtu
Combined Locks Energy Center, LLC	WI	55558	B06	4988	Combined cycle	4.1	735,764	0.011						Optimize SCR to 0.10 lb/mmBtu

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Charles R Lowman	AL	56	2	54	Dry bottom wall-fired boiler	330.5	2,831,834	0.233	3,625,097	341,864	32%	592	181	Optimize SCR to 0.10 lb/mmBtu
Charles R Lowman	AL	56	3	55	Dry bottom wall-fired boiler	672.6	7,127,321	0.189	6,577,958	552,955	60%	1,096	329	Optimize SCR to 0.10 lb/mmBtu
Gorgas	AL	8	10	13	Tangentially-fired	1,411.1	18,792,707	0.150	19,572,975	1,990,583	31%	1,543	979	Optimize SCR to 0.10 lb/mmBtu
Dallman	IL	963	31	645	Cyclone boiler	63.1	1,293,979	0.098	1,970,345	182,924	61%	105	99	Optimize SCR to 0.10 lb/mmBtu
Dallman	IL	963	32	646	Cyclone boiler	51.4	1,048,686	0.098	1,368,998	127,370	42%	72	68	Optimize SCR to 0.10 lb/mmBtu
A B Brown Generating Station	IN	6137	2	2797	Dry bottom wall-fired boiler	268.6	6,384,877	0.084	7,293,656	711,512	14%	151	90	Optimize SCR to 0.10 lb/mmBtu
A B Brown Generating Station	IN	6137	2	2798	Dry bottom wall-fired boiler	312.8	5,424,699	0.115	7,293,656	711,512	44%	452	365	Optimize SCR to 0.10 lb/mmBtu
Alcoa Allowance Management Inc	IN	6705	4	2905	Cell burner boiler	327.6	8,167,099	0.080	9,835,484	897,069	60%	1,452	492	Optimize SCR to 0.10 lb/mmBtu
Cayuga	IN	1001	1	706	Tangentially-fired	624.9	14,794,651	0.084	10,363,170	976,786	47%	1,690	518	Optimize SCR to 0.10 lb/mmBtu
Cayuga	IN	1001	2	707	Tangentially-fired	498.2	11,057,752	0.090	15,407,920	1,631,173	72%	2,320	770	Optimize SCR to 0.10 lb/mmBtu
Clifty Creek	IN	983	1	658	Wet bottom wall-fired boiler	178.5	4,837,170	0.074	5,000,634	492,403	49%	653	250	Optimize SCR to 0.10 lb/mmBtu
Clifty Creek	IN	983	2	659	Wet bottom wall-fired boiler	172.7	4,715,705	0.073	5,009,274	492,801	49%	669	250	Optimize SCR to 0.10 lb/mmBtu
Clifty Creek	IN	983	3	660	Wet bottom wall-fired boiler	149.1	4,116,727	0.072	5,398,978	532,096	53%	678	270	Optimize SCR to 0.10 lb/mmBtu
Clifty Creek	IN	983	4	661	Wet bottom wall-fired boiler	239.5	4,684,880	0.102	4,947,507	499,943	48%	1,005	247	Optimize SCR to 0.10 lb/mmBtu
Clifty Creek	IN	983	5	662	Wet bottom wall-fired boiler	226.8	4,762,480	0.095	3,907,767	394,560	38%	770	195	Optimize SCR to 0.10 lb/mmBtu
F B Culley Generating Station	IN	1012	2	727	Dry bottom wall-fired boiler	98.4	1,252,361	0.157	1,538,899	124,969	15%	256	77	Optimize SCR to 0.10 lb/mmBtu
F B Culley Generating Station	IN	1012	3	728	Dry bottom wall-fired boiler	522.7	9,457,854	0.079	11,733,169	1,331,132	30%	262	209	Optimize SCR to 0.10 lb/mmBtu
Gibson	IN	6113	1	2782	Dry bottom wall-fired boiler	349.5	13,177,121	0.053	13,855,518	1,478,671	55%	1,031	587	Optimize SCR to 0.10 lb/mmBtu
Gibson	IN	6113	2	2783	Dry bottom wall-fired boiler	534.5	12,927,938	0.083	16,170,258	1,671,182	60%	1,399	693	Optimize SCR to 0.10 lb/mmBtu
Gibson	IN	6113	3	2784	Dry bottom wall-fired boiler	674.0	17,003,248	0.079	13,024,583	1,366,687	50%	1,056	809	Optimize SCR to 0.10 lb/mmBtu
Gibson	IN	6113	4	2785	Dry bottom wall-fired boiler	1,097.1	15,009,371	0.146	12,494,537	1,380,171	51%	1,056	625	Optimize SCR to 0.10 lb/mmBtu
Gibson	IN	6113	5	2786	Dry bottom wall-fired boiler	470.5	11,206,674	0.084	12,633,662	1,219,213	83%	935	632	Optimize SCR to 0.10 lb/mmBtu
IPL - Petersburg Generating Station	IN	994	2	693	Tangentially-fired	526.6	13,691,470	0.077	16,057,203	1,476,986	79%	1,527	803	Optimize SCR to 0.10 lb/mmBtu
IPL - Petersburg Generating Station	IN	994	3	694	Tangentially-fired	219.8	5,985,872	0.107	19,601,319	1,872,619	68%	1,163	406	Optimize SCR to 0.10 lb/mmBtu
E W Brown	KY	1355	3	878	Tangentially-fired	917.7	11,468,784	0.160	12,110,380	1,390,969	57%	1,004	606	Optimize SCR to 0.10 lb/mmBtu
East Bend	KY	6018	2	2682	Dry bottom wall-fired boiler	353.3	14,157,722	0.050	14,109,599	1,515,538	70%	798	705	Optimize SCR to 0.10 lb/mmBtu
Ghent	KY	1356	3	886	Dry bottom wall-fired boiler	174.7	2,148,588	0.163	2,696,002	283,894	37%	284	135	Optimize SCR to 0.10 lb/mmBtu
Ghent	KY	1356	4	887	Dry bottom wall-fired boiler	375.8	4,386,578	0.171	4,984,770	473,181	68%	366	249	Optimize SCR to 0.10 lb/mmBtu
HMP&L Station 2	KY	1382	H1	929	Dry bottom wall-fired boiler	98.5	2,093,482	0.094	2,396,111	244,608	27%	129	120	Optimize SCR to 0.10 lb/mmBtu
HMP&L Station 2	KY	1382	H2	930	Dry bottom wall-fired boiler	2,425.2	21,750,305	0.223	20,552,854	2,001,152	38%	1,933	1,028	Optimize SCR to 0.10 lb/mmBtu
John S. Cooper	KY	1384	2	933	Dry bottom wall-fired boiler	128.0	2,330,944	0.110	4,936,193	511,067	37%	332	247	Optimize SCR to 0.10 lb/mmBtu
Paradise	KY	1378	3	915	Cyclone boiler	353.4	7,133,970	0.099	6,766,129	595,088	72%	514	338	Optimize SCR to 0.10 lb/mmBtu
Chalk Point	MD	1571	1	1050	Dry bottom wall-fired boiler	874.6	16,225,093	0.108	8,257,589	898,937	33%	3,000	413	Optimize SCR to 0.10 lb/mmBtu
Asbury	MO	2076	1	1311	Cyclone boiler	787.9	15,093,626	0.104	16,685,524	1,902,393	65%	3,832	834	Optimize SCR to 0.10 lb/mmBtu
New Madrid Power Plant	MO	2167	1	1357	Cyclone boiler	349.3	5,971,757	0.117	4,037,461	343,226	49%	911	202	Optimize SCR to 0.10 lb/mmBtu
New Madrid Power Plant	MO	2167	2	1358	Cyclone boiler	464.9	8,617,723	0.108	8,506,595	813,371	65%	2,022	425	Optimize SCR to 0.10 lb/mmBtu
Thomas Hill Energy Center	MO	2168	MB1	1359	Cyclone boiler	1,002.7	20,110,101	0.100	18,845,916	2,020,355	63%	2,225	942	Optimize SCR to 0.10 lb/mmBtu
Thomas Hill Energy Center	MO	2168	MB2	1360	Cyclone boiler	111.1	1,978,408	0.112	2,356,489		41%	143	118	Optimize SCR to 0.10 lb/mmBtu
Thomas Hill Energy Center	MO	2168	MB3	1361	Dry bottom wall-fired boiler	133.4	2,367,026	0.112	2,780,239		48%	150	139	Optimize SCR to 0.10 lb/mmBtu
Carneys Point	NJ	10566	1001	3554	Dry bottom wall-fired boiler	182.9	3,260,603	0.112	3,259,764		38%	175	163	Optimize SCR to 0.10 lb/mmBtu
Carneys Point	NJ	10566	1002	3555	Dry bottom wall-fired boiler	0.6	2,613	0.443	2,962	168	0%	1	0	Optimize SCR to 0.10 lb/mmBtu
Logan Generating Plant	NJ	10043	1001	3524	Dry bottom wall-fired boiler	-	-	-	-	-	-	-	-	Optimize SCR to 0.10 lb/mmBtu
West Station	NJ	6776	002001	2909	Combustion turbine	-	-	-	-	-	-	-	-	Optimize SCR to 0.10 lb/mmBtu
AG - Energy	NY	10803	1	3598	Combined cycle	-	-	-	-	-	-	-	-	Optimize SCR to 0.10 lb/mmBtu
AG - Energy	NY	10803	2	3599	Combined cycle	-	-	-	-	-	-	-	-	Optimize SCR to 0.10 lb/mmBtu

Process to compare CAMx and CMAQ models using consistent projection emission inventory:

Began with EPA 2023 projection modeling utilizing 'en' projection inventory and CAMx, released in Oct 2017 (column L)

Used CAMx to model MARAMA gamma2 projection inventory (column K) to show relative consistency with column L

Used CMAQ to model MARAMA gamma2 projection inventory (column J)

Summarized the difference between CMAQ and CAMx models using MARAMA gamma2 projection inventory (column M)

State	AQS Code	POC	Latitude	Longitude	Site	DVC 2011	DVF 2017 3x3 cells MARAMA beta2 emis OTC CMAQ5.0 2 setup	DVF 2020 3x3 cells MARAMA gamma2 emis OTC CMAQ5.2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQ5.2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQ 6.40 setup	DVF 2023 3x3 cells from EPA 2011en/2023en emis	DVF 2023 Difference - CMAQ v CAMx
CT	09-001-0017	1	41.003613	-73.584999	Greenwich Point Park-Greenwich	80.3	77	76.2	72.3	69.5	69.8	+2.8
CT	09-001-1123	1	41.399166	-73.443100	Western Conn State Univ-Danbury	81.3	74	71.1	68.0	66.3	66.4	+1.7
CT	09-001-3007	1	41.152500	-73.103104	Lighthouse-Stratford	84.3	77	76.8	73.7	70.6	71.2	+3.1
CT	09-001-9003	1	41.118332	-73.336700	Sherwood Island State Park-Westport	83.7	83	83.4	81.1	78.4	72.7	+9.2
CT	09-003-1003	1	41.784721	-72.631699	McAuliffe Park-East Hartford	73.7	66	61.9	58.6	58.4	60.7	+0.2
CT	09-005-0005	1	41.821342	-73.297302	Mohawk Mt-Cornwall	70.3	62	59.8	57.0	55.9	57.2	+1.1
CT	09-007-0027	1	41.552223	-72.629957	Central Valley Hospital-Middletown	79.3	70	66.9	63.5	63.1	64.7	+0.4
CT	09-009-0027	1	41.301399	-72.902901	Crisculo Park-New Haven	74.3	67	67.8	65.1	61.5	62.3	+3.6
CT	09-009-9002	1	41.260834	-72.500003	Hammonasset State Park-Madison	85.7	77	73.9	69.7	69.9	71.2	-0.2
CT	09-011-0124	1	41.353619	-72.078796	Fort Griswold Park-Groton	80.3	73	70.3	66.2	65.2	66.4	+1.0
CT	09-013-1001	1	41.976391	-72.388100	Shenipsit State Forest-Stafford	75.3	67	63.2	59.9	59.9	61.4	0.0
DE	10-001-0002	1	38.984749	-75.555199	PROPERTY OF KILLENS POND STATE PARK, BEH	74.3	66	63.8	60.8	57.6	58.3	+3.2
DE	10-003-1007	1	39.551109	-75.730797		76.3	67	64.1	61.0	58.3	59.2	+2.7
DE	10-003-1010	1	39.817223	-75.563904	OPEN FIELD	78.0	67	66.9	63.9	60.9	61.2	+3.0
DE	10-003-1013	1	39.773888	-75.496399	BELLEVUE STATE PARK, FIELD IN SE PORTION	77.7	67	65.9	62.8	60.3	60.8	+2.5
DE	10-003-2004	1	39.739445	-75.580398	CORNER OF MLK BLVD AND JUSTISON ST, NO T	75.0	65	63.6	60.7	58.2		+2.5
DE	10-005-1002	1	38.644478	-75.612701	Seaford Shipley State Service Center	77.3	67	64.9	61.6	59.6	59.7	+2.0
DE	10-005-2003	1	38.779198	-75.162697	SPM SITE, NEAR UD ACID RAIN/MERCURY COLL	77.7	69	66.4	62.7	61.1	62.4	+1.6
DC	11-001-0041	1	38.897221	-76.952797	RIVER TERRACE	76.0	65	62.4	58.6	58.2	58.7	+0.4
DC	11-001-0043	1	38.921848	-77.013199	MC MILLAN PAMS	80.7	69	66.2	62.2	61.8	62.3	+0.4
ME	23-001-0014	2	43.974621	-70.124603	DURHAM FIRE STATION	61.0	54	51.9	49.3	48.9	49.4	+0.4
ME	23-003-1100	1	46.696430	-68.032997	MICMAC HEALTH DEPARTMENT	51.3	-8	-8.0	-8.0	-8.0		
ME	23-005-2003	1	43.561043	-70.207298	CEIL - Cape Elizabeth Two Lights (State	69.3	62	60.3	57.2	56.1	56.2	+1.1
ME	23-009-0102	1	44.351696	-68.226997	TOP OF CADILLAC MTN (FENCED ENCLOSURE)	71.7	65	62.8	60.4	59.8	61.3	+0.6
ME	23-009-0103	1	44.377048	-68.260902	MCFARLAND HILL Air Pollutant Research Si	66.3	60	57.3	54.8	54.2	55.0	+0.6
ME	23-011-2005	1	44.230621	-69.785004	Gardiner, Pray Street School (GPSS)	62.7	55	52.2	49.5	50.5	50.5	-0.4
ME	23-013-0004	2	43.917953	-69.260597	Marshall Point Lighthouse	67.7	60	57.6	55.0	54.3	54.7	+0.7
ME	23-017-3001	1	44.250923	-70.860603		54.3	49	-8.0	-8.0	44.0	43.7	
ME	23-019-4008	1	44.735977	-68.670799	WLBZ TV Transmitter Building - Summit of	57.7	-8	-8.0	-8.0	-8.0	46.6	
ME	23-023-0006	1	44.005001	-69.827797	BOWDOINHAM, MERRYMEETING BAY, BROWN'S PT	61.0	54	51.6	49.2	48.4	48.7	+0.8
ME	23-029-0019	1	44.531906	-67.595901	Harbor Masters Office; Jonesport Public	58.3	53	52.2	50.5	49.7		+0.8
ME	23-029-0032	1	44.963634	-67.060699		53.0	49	-8.0	-8.0	-8.0		
ME	23-031-0038	1	43.656765	-70.629097	WBFD - West Buxton (Hollis) Fire Departm	60.3	54	51.0	48.5	47.8	48.2	+0.7
ME	23-031-0040	1	43.588890	-70.877296	SBP - Shapleigh Ball Park	64.3	57	54.2	51.5	51.2	51.5	+0.3
ME	23-031-0042	1	43.343166	-70.471001	KPW - Kennebunkport Parson'd Way	73.7	65	62.2	58.7	59.2	60.1	-0.5
MD	24-003-0014	1	38.902500	-76.633099	Davidsonville	83.0	71	68.8	64.7	63.5	63.4	+1.2
MD	24-005-1007	1	39.462025	-76.631302	Padonia	79.0	69	68.2	65.0	64.2	63.9	+0.8
MD	24-005-3001	1	39.310833	-76.474403	Essex	80.7	74	68.9	65.0	64.6	64.9	+0.4
MD	24-009-0011	1	38.536720	-76.617203	Calvert	79.7	73	68.9	66.2	63.1	64.2	+3.1
MD	24-013-0001	1	39.444168	-77.041702	South Carroll	76.3	67	64.1	61.3	59.0	58.8	+2.3
MD	24-015-0003	1	39.701111	-75.860001	Fair Hill Natural Resource Management Ar	83.0	73	69.9	66.3	64.0	64.5	+2.3
MD	24-017-0010	1	38.504166	-76.811897	Southern Maryland	79.0	69	65.8	62.8	61.2	61.6	+1.6
MD	24-019-9991	1	38.445000	-76.111397	Blackwater NWR	75.0	67	64.7	62.0	60.0	60.7	+2.0
MD	24-021-0037	1	39.422760	-77.375198	Frederick Airport	76.3	67	64.2	61.6	59.4	59.6	+2.2
MD	24-023-0002	1	39.705952	-79.012001	Piney Run	72.0	60	58.4	57.6	56.7	55.1	+0.9
MD	24-025-1001	1	39.410000	-76.296700	Edgewood	90.0	81	77.6	74.1	71.8	71.4	+2.3
MD	24-025-9001	1	39.563332	-76.203903	Aldino	79.3	70	67.1	63.7	62.0	61.8	+1.7

State	AQS Code	POC	Latitude	Longitude	Site	DVC 2011	DVF 2017 3x3 cells MARAMA beta2 emis OTC CMAQS.0 2 setup	DVF 2020 3x3 cells MARAMA gamma2 emis OTC CMAQS.2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS.2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS.2.1 setup	DVF 2023 3x3 cells from EPA 2011en/2023en emis	DVF 2023 Difference - CMAQ v CAMx
MD	24-029-0002	1	39.305199	-75.797203	Millington	78.7	68	66.8	63.7	60.9	61.2	+2.8
MD	24-031-3001	1	39.114445	-77.106903	Rockville	75.7	65	63.2	59.6	59.3	60.0	+0.3
MD	24-033-0030	1	39.055279	-76.878304	HU-Beltsville	79.0	68	65.0	61.0	60.7	60.5	+0.3
MD	24-033-8003	1	38.811939	-76.744202	PG Equestrian Center	82.3	70	67.6	63.7	63.1	63.2	+0.6
MD	24-033-9991	1	39.028400	-76.817101	Beltsville	80.0	69	66.3	62.4	61.4	61.0	+1.0
MD	24-043-0009	1	39.565582	-77.721603	Hagerstown	72.7	63	60.8	58.3	56.7	56.0	+1.6
MD	24-510-0054	1	39.328892	-76.552498	Furley	73.7	68	62.9	59.4	60.2	59.9	-0.8
MA	25-001-0002	1	41.975803	-70.023598	TRURO NATIONAL SEASHORE	73.0	66	62.7	59.1	58.5	59.6	+0.6
MA	25-003-4002	1	42.636681	-73.167397	MT GREYLOCK SUMMIT	69.0	62	60.1	58.0	56.3	56.1	+1.7
MA	25-005-1002	1	41.330427	-70.789204	LEROY WOOD SCHOOL	74.0	66	63.3	59.9	60.3	61.6	-0.4
MA	25-007-0001	1	41.330427	-70.789204	LEROY WOOD SCHOOL	77.0	71	67.5	64.5	63.8	64.1	+0.7
MA	25-009-2006	1	42.474644	-70.970802	LYNN WATER TREATMENT PLANT	71.0	65	54.9	49.7	56.8	57.5	-7.1
MA	25-009-4005	1	42.814411	-70.817802	NEWBURYPORT HARBOR ST PARKING LOT	70.0	63	59.7	56.5	56.7	57.2	-0.2
MA	25-009-5005	1	42.770836	-71.102503	CONSENTINO SCHOOL	69.3	61	58.9	56.1	56.1	56.2	0.0
MA	25-015-0103	1	42.400578	-72.533102	AMHERST	73.7	65	61.3	58.1	58.2	59.3	-0.1
MA	25-015-4002	1	42.298492	-72.334099	QUABBIN RES	64.7	57	53.7	50.9	51.4	51.9	-0.5
MA	25-017-0009	1	42.626678	-71.362099	USEPA REGION 1 LAB	71.3	62	59.7	56.6	56.0	57.0	+0.6
MA	25-017-1102	1	42.413574	-71.482803	Inactive military resv 680 hudson rd sud	67.0	59	56.8	54.0	54.0	54.0	+0.3
MA	25-021-3003	1	42.211773	-71.113998	BLUE HILL OBSERVATORY	72.3	63	60.3	53.6	52.9	53.4	+0.7
MA	25-025-0041	1	42.317371	-70.968399	BOSTON LONG ISLAND	68.3	59	57.2	53.2	55.9	59.6	-2.9
MA	25-025-0042	1	42.329498	-71.082603	DUDLEY SQUARE ROXBURY	60.7	53	48.6	44.3	49.4	56.4	-2.1
MA	25-027-0015	1	42.274319	-71.875504	WORCESTER AIRPORT	68.3	60	57.6	54.8	54.1	54.6	+0.7
MA	25-027-0024	1	42.099697	-71.619400	UXBRIDGE	69.0	60	57.9	55.0	54.2	54.9	+0.8
NH	33-001-2004	1	43.566113	-71.496399	FIELD OFFICE ON THE GROUNDS OF THE FORME	62.3	55	52.9	50.0	50.3	50.4	-0.3
NH	33-005-0007	1	42.930473	-72.272400	WATER STREET	62.3	55	52.6	50.2	49.4	49.7	+0.8
NH	33-007-4001	1	44.270168	-71.303802	CAMP DODGE, GREENS GRANT	69.3	64	62.7	60.7	56.7	57.1	+4.0
NH	33-009-0010	1	43.629612	-72.309601	LEBANON AIRPORT ROAD	59.7	55	54.0	52.3	49.0	49.3	+3.3
NH	33-011-1011	1	42.718662	-71.522400	GILSON ROAD	66.3	58	56.0	53.2	52.9	48.1	+1.6
NH	33-011-5001	1	42.861752	-71.878403	MILLER STATE PARK	69.0	61	58.5	55.8	54.9	55.5	+0.9
NH	33-013-1007	1	43.218498	-71.514503	HAZEN DRIVE	64.7	57	54.2	51.5	51.2	51.6	+0.3
NH	33-015-0014	1	43.075333	-70.748001	PORTSMOUTH - PEIRCE ISLAND	66.0	59	55.9	52.5	53.2	53.6	-0.7
NH	33-015-0016	1	43.045277	-70.713799	SEACOAST SCIENCE CENTER	66.3	59	56.1	52.7	53.4	53.8	-0.7
NH	33-015-0018	1	42.862537	-71.380203	MOOSEHILL SCHOOL	68.0	60	57.2	54.4	54.3	55.1	+0.1
NJ	34-001-0006	1	39.464870	-74.448700	Brigantine	74.3	66	61.9	58.0	58.5	58.5	-0.5
NJ	34-003-0006	1	40.870438	-73.991997	Leonla	77.0	68	66.5	63.3	62.0	64.1	+1.3
NJ	34-007-1001	1	39.684250	-74.861504	Ancora State Hospital	82.7	72	70.3	66.9	66.3	66.3	+0.6
NJ	34-011-0007	1	39.422272	-75.025200	Millville	72.0	64	61.6	58.8	57.0	57.0	+1.8
NJ	34-013-0003	1	40.720989	-74.192902	Newark - Firehouse	78.0	69	67.3	64.0	62.5	64.3	+1.5
NJ	34-015-0002	1	39.800399	-75.212097	Clarksboro	84.3	74	72.4	69.1	67.5	68.2	+1.6
NJ	34-017-0006	1	40.670250	-74.126099	Bayonne	77.0	69	69.6	67.0	63.0	65.4	+4.0
NJ	34-019-0001	1	40.515263	-74.806702	Flemington	78.0	68	65.8	62.3	60.5	62.0	+1.8
NJ	34-021-0005	1	40.283092	-74.742599	Rider University	78.3	68	66.1	62.7	62.5	63.2	+0.2
NJ	34-021-9991	1	40.312500	-74.872902	Wash. Crossing	76.0	66	63.8	60.4	60.4	59.6	+0.8
NJ	34-023-0011	1	40.462181	-74.429398	Rutgers University	81.3	71	68.6	65.0	63.6	65.0	+1.4
NJ	34-025-0005	1	40.277645	-74.005096	Monmouth University	80.0	71	69.4	66.0	64.2	65.4	+1.8
NJ	34-027-3001	1	40.787628	-74.676300	Chester	76.3	67	64.7	61.5	59.2	62.4	+2.3

State	AQS Code	POC	Latitude	Longitude	Site	DVC 2011	DVF 2017 3x3 cells MARAMA beta2 emis OTC CMAQS 0.2 setup	DVF 2020 3x3 cells MARAMA gamma2 emis OTC CMAQS 2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS 2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS 6.40 setup	DVF 2023 3x3 cells from EPA 2011en/2023en emis	DVF 2023 Difference - CMAQ v CAMx
NY	34-029-0006	1	40.064831	-74.444099	Colliers Mills	82.0	72	69.4	65.8	64.3	65.8	+1.5
NY	34-031-0001	1	41.058617	-74.255501	Ramapo	73.3	65	63.6	60.7	60.5	61.3	+0.2
NY	34-041-0007	1	40.924580	-75.067802	Columbia WMA	66.0	57	55.5	52.6	51.0	54.0	+1.6
NY	36-001-0012	1	42.680752	-73.757301	LOUDONVILLE	68.0	61	58.5	56.1	55.7	55.4	+0.4
NY	36-005-0133	1	40.867901	-73.878098	PRIZER LAB SITE	74.0	71	68.0	64.5	67.9	68.0	-3.4
NY	36-013-0006	1	42.499630	-79.318802	DUNKIRK	73.3	66	64.4	61.1	59.1	59.6	+2.0
NY	36-013-0011	1	42.290710	-79.589600	WESTFIELD	74.0	66	65.0	61.7	59.8	60.2	+1.9
NY	36-015-0003	1	42.110958	-76.802200	ELMIRA	66.5	61	59.4	57.5	55.1	54.9	+2.4
NY	36-027-0007	1	41.785549	-73.741402	MILLBROOK	72.0	64	60.7	58.0	57.4	58.6	+0.6
NY	36-029-0002	1	42.993279	-78.771500	AMHERST	71.3	65	64.3	61.7	58.5	58.3	+3.2
NY	36-031-0002	3	44.366081	-73.903099	WHITEFACE SUMMIT	70.3	64	61.9	59.6	57.5	57.5	+2.1
NY	36-031-0003	1	44.393082	-73.858902	WHITEFACE BASE	67.3	61	59.2	57.1	55.0	55.1	+2.1
NY	36-033-7003	1	44.980576	-74.695000	YOOI	45.0	-8	-8.0	-8.0	37.3		
NY	36-041-0005	1	43.449570	-74.516296	PISECO LAKE	66.0	59	57.7	55.6	53.7	53.7	+1.9
NY	36-043-0005	1	43.685780	-74.985397	NICKS LAKE	62.0	-8	54.7	52.8	50.8	50.5	+2.0
NY	36-045-0002	1	44.087471	-75.973198	PERCH RIVER	71.7	65	60.5	57.0	59.2	59.0	-2.2
NY	36-053-0006	1	42.730461	-75.784401	CAMP GEORGETOWN	67.0	61	67.7	57.2	54.9	55.0	+2.3
NY	36-061-0135	1	40.819759	-73.948303	CCNY	73.3	70	67.7	64.7	66.4	65.3	-1.7
NY	36-063-1006	1	43.223862	-78.478897	MIDDLEPORT	72.3	67	66.3	64.1	60.5	60.5	+3.6
NY	36-065-0004	2	43.302681	-75.719803	CAMDEN	61.5	56	54.3	52.4	50.4	50.5	+2.0
NY	36-067-1015	1	43.052349	-76.059196	EAST SYRACUSE	69.3	63	61.4	59.4	57.7	57.8	+1.7
NY	36-071-5001	1	41.523750	-74.215302	VALLEY CENTRAL HIGH SCHOOL	67.0	60	57.5	55.1	53.8	55.3	+1.3
NY	36-075-0003	1	43.284279	-76.463203	FULTON	68.0	61	58.5	55.4	55.5	55.7	-0.1
NY	36-079-0005	1	41.455891	-73.709801	MT NINHAM	70.0	63	60.5	57.7	56.8	58.4	+0.9
NY	36-081-0124	1	40.736141	-73.821503	QUEENS COLLEGE 2	78.0	74	72.0	68.8	69.4	70.1	-0.6
NY	36-083-0004	1	42.781891	-73.463600	GRAFTON STATE PARK	67.0	60	57.9	55.5	54.7	54.4	+0.8
NY	36-085-0067	1	40.596642	-74.125298	SUSAN WAGNER HS	81.3	78	79.5	76.9	71.1	71.9	+5.8
NY	36-087-0005	1	41.182079	-74.028198	Rockland County	75.0	67	65.5	62.4	61.5	62.0	+0.9
NY	36-091-0004	1	43.012089	-73.648903	STILLWATER	65.3	59	57.8	55.3	54.6	54.3	+0.7
NY	36-101-0003	1	42.091419	-77.209801	PINNACLE STATE PARK	83.3	77	75.2	71.4	72.0	72.5	+0.6
NY	36-103-0002	1	40.745289	-73.419197	BABYLON	78.0	71	68.5	65.5	65.6	66.3	-0.1
NY	36-103-0004	1	40.960781	-72.712402	RIVERHEAD	78.7	73	72.9	70.4	67.7	68.5	+2.7
NY	36-103-0009	1	40.827991	-73.057503	HOLTSVILLE	69.0	63	60.6	58.3	56.2	57.4	+2.1
NY	36-117-3001	1	42.144032	-74.494301	BELLEAYRE MOUNTAIN	75.3	59	56.9	54.4	53.6	53.4	+0.8
NY	36-119-2004	1	43.230862	-77.171402	WILLIAMSON	75.3	73	72.7	69.5	68.1	68.1	+1.4
NY	42-003-0008	1	41.051922	-73.763702	WHITE PLAINS	76.3	70	67.2	65.0	63.9	65.5	+1.1
PA	42-003-0010	1	40.465420	-79.960800	Lawrenceville	73.7	68	64.9	62.8	61.7	63.3	+1.1
PA	42-003-0017	1	40.445576	-80.016197	LAT/LON IS APPROXIMATE LOCATION OF SCIEN	75.7	69	66.3	64.2	61.4	63.0	+2.8
PA	42-003-0066	1	40.375645	-80.169899	South Fayette	80.7	73	70.6	68.2	66.4	67.1	+1.8
PA	42-003-1008	1	40.617489	-79.727661	Harrison	74.3	67	63.0	60.7	60.4	60.6	+0.3
PA	42-005-0001	1	40.814182	-79.564697	LAT/LON IS CENTER OF TRAILER	70.7	65	62.9	60.8	58.1	59.5	+2.7
PA	42-007-0002	1	40.562519	-80.503899	DRIVEWAY TO BAKEY RESIDENCE	74.7	69	66.6	64.7	62.3	63.0	+2.4
PA	42-007-0005	1	40.684723	-80.359703		72.3	66	64.0	61.9	60.7	61.0	+1.2
PA	42-007-0014	1	40.747795	-80.316399		71.7	62	60.0	57.2	56.1	56.2	+1.1
PA	42-011-0006	1	40.514080	-75.789703	Kutztown	76.3	65	62.6	59.6	58.8	58.9	+0.8
PA	42-011-0011	1	40.383350	-75.968597	Reading Airport	72.7	65	63.4	61.1	59.5	60.3	+1.6

State	AQS Code	POC	Latitude	Longitude	Site	DVC 2011	DVF 2017 3x3 cells MARAMA beta2 emis OTC CMAQS.0 2 setup	DVF 2020 3x3 cells MARAMA gamma2 emis OTC CMAQS.2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS.2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS.2.1 setup	DVF 2023 3x3 cells from EPA 2011en/2023en emis	DVF 2023 Difference - CMAQ v CAMx
PA	42-017-0012	1	40.107224	-74.882202	A420170012LAT/LONG POINT IS OF SAMPLING	80.3	70	68.1	64.6	63.8	64.6	+0.8
PA	42-021-0011	1	40.309723	-78.915001		70.3	63	60.3	58.4	57.5	58.0	+0.9
PA	42-027-0100	1	40.811390	-77.876999	LAT/LON=POINT SW CORNER OF TRAILER	71.0	64	62.2	60.1	58.8	59.1	+1.3
PA	42-027-9991	1	40.720798	-77.931900	Penn State	72.0	64	62.8	60.8	59.1	59.8	+1.7
PA	42-029-0100	1	39.834461	-75.768204	CHESTER COUNTY TRANSPORT SITE INTO PHILA	76.3	66	62.7	59.7	58.7	58.7	+1.0
PA	42-033-4000	1	41.117500	-78.526199	MOSHANNON STATE FOREST	72.3	65	63.7	61.4	60.2	60.3	+1.2
PA	42-043-0401	1	40.246900	-76.847000	A420430401LAT/LON POINT IS AT CORNER OF	69.0	60	58.5	56.3	54.4	54.7	+1.9
PA	42-043-1100	1	40.272221	-76.681396	A420431100LAT/LON POINT IS AT CORNER OF	74.7	64	61.7	59.0	57.9	58.3	+1.1
PA	42-045-0002	1	39.835556	-75.372498	A420450002LAT/LON POINT IS OF CORNER OF	75.7	66	64.7	61.7	59.5	60.3	+2.2
PA	42-049-0003	1	42.141750	-80.038597		74.0	66	65.0	61.0	58.9	59.1	+2.1
PA	42-055-0001	1	39.961109	-77.475601	HIGH ELEVATION OZONE SITE	67.0	59	56.8	54.8	53.2	53.2	+1.6
PA	42-059-0002	1	39.809330	-80.265701	75 KM SSW OF PITTSBURGH RURAL SITE ON A	69.0	61	59.2	57.6	55.7	56.5	+1.9
PA	42-063-0004	1	40.563332	-78.919998		75.7	67	65.6	63.1	61.9	62.7	+1.2
PA	42-069-0101	1	41.479115	-75.578201	A420690101LAT/LON POINT IS AT CORNER OF	71.0	62	60.0	57.4	55.9	55.8	+1.5
PA	42-069-2006	1	41.442780	-75.623100	A420692006LAT/LON POINT IS AT CORNER OF	68.7	60	58.0	55.6	54.1	54.0	+1.5
PA	42-071-0007	1	40.046665	-76.283302	A420710007LAT/LON POINT AT CORNER OF TRA	77.0	65	63.1	60.8	59.5	60.1	+1.3
PA	42-071-0012	1	40.043835	-76.112396	Lancaster DW	78.0	66	63.8	61.1	59.9	60.2	+1.2
PA	42-073-0015	1	40.995850	-80.346397		71.0	64	61.4	58.4	57.2	58.0	+1.2
PA	42-075-0100	1	40.337330	-76.383400	Lebanon	76.0	65	62.5	59.7	58.7	58.6	+1.0
PA	42-077-0004	1	40.611942	-75.432503	A420770004LAT/LONG POINT IS OF SAMPLING	76.0	66	63.7	60.4	59.5	59.5	+0.9
PA	42-079-1100	1	41.209167	-76.003304	A420791100LAT/LON POINT IS AT CORNER OF	65.0	56	53.0	50.8	49.8	49.9	+1.0
PA	42-079-1101	1	41.265556	-75.846397	A420791101LAT/LON POINT IS AT CORNER OF	64.3	56	53.7	51.4	49.9	49.9	+1.5
PA	42-081-0100	1	41.250801	-76.923798	MONTGOMERYVILLE	67.0	58	56.7	54.3	53.7	53.9	+0.6
PA	42-085-0100	1	41.215015	-80.484802		76.3	68	65.1	60.5	58.9	60.0	+1.6
PA	42-089-0002	1	41.083061	-75.373303	SWIFTWATER	66.7	58	56.2	53.5	51.5	52.9	+2.0
PA	42-091-0013	1	40.112221	-75.309196	A420910013LAT/LON POINT IS OF CORNER OF	76.3	66	65.3	62.2	59.7	61.0	+2.5
PA	42-095-0025	1	40.628056	-75.341110	LAT/LON POINT IS CENTER OF TRAILER	74.3	66	62.3	59.1	58.0	58.5	+1.1
PA	42-095-8000	1	40.692223	-75.237198	COMBINED EASTON SITE (420950100) AND EAS	69.7	61	58.4	55.3	54.5	54.8	+0.8
PA	42-099-0301	1	40.456944	-77.165604	A420990301LAT/LON POINT IS AT CORNER OF	68.3	60	58.2	56.1	54.6	54.8	+1.5
PA	42-101-0004	1	40.008888	-75.097801	Air Management Services Laboratory (AMS)	66.0	58	56.6	53.9	53.2	53.9	+0.7
PA	42-101-0024	1	40.076401	-75.011497	North East Airport (NEA)	83.3	73	70.8	67.2	67.1	67.3	+0.1
PA	42-101-1002	1	40.035984	-75.002403	BAXTER (BAX)	80.0	70	68.0	64.5	64.7	64.7	0.0
PA	42-111-9991	1	39.987801	-79.251503	Laurel Hill	65.0	55	54.3	53.0	51.8	50.8	+1.2
PA	42-117-4000	1	41.644722	-76.939201	PENN STATE OZONE MONITORING SITE	69.7	64	61.6	59.2	57.9	57.3	+1.3
PA	42-125-0005	1	40.146667	-79.902199		70.0	63	60.1	58.4	57.5	57.6	+0.9
PA	42-125-0006	1	40.428078	-79.692802		70.7	63	60.5	58.7	57.7	57.6	+1.0
PA	42-125-5001	1	40.445278	-80.420799		70.3	64	61.3	59.4	57.5	57.9	+1.9
PA	42-129-0006	1	40.428078	-79.692802		71.7	65	62.2	60.0	59.5	60.1	+0.5
PA	42-129-0008	1	40.304695	-79.505699	LAT/LON POINT IS TRAILER	71.0	63	61.1	58.9	58.1	58.0	+0.8
PA	42-133-0008	1	39.965279	-76.699402	A421330008LAT/LON POINT AT CORNER OF TRA	72.3	62	59.3	57.0	55.7	56.9	+1.3
PA	42-133-0011	1	39.860970	-76.462097	York DW	74.3	63	61.3	58.8	57.5	58.0	+1.3
RI	44-003-0002	1	41.615238	-71.720001	AJ	73.7	66	63.7	60.5	59.6	60.4	+0.9
RI	44-007-1010	1	41.841572	-71.360802	FRANCIS SCHOOL East Providence	74.0	66	63.0	59.4	59.3	60.1	+0.1
RI	44-009-0007	1	41.495110	-71.423698	US-EPA Laboratory	76.3	69	66.2	62.8	62.6	63.6	+0.2
VT	50-003-0004	1	42.887589	-73.249802	Morse Airport - State of Vermont Proper	63.7	57	54.8	52.5	51.7	51.3	+0.8
VT	50-007-0007	1	44.528389	-72.868797	PROCTOR MAPLE RESEARCH CTR	61.0	55	53.7	51.8	49.9	49.6	+1.9
VA	51-013-0020	1	38.857700	-77.059196	Aurora Hills Visitors Center	81.7	71	68.7	64.7	64.8	64.9	-0.1

State	AQS Code	POC	Latitude	Longitude	Site	DVC 2011	DVF 2017 3x3 cells MARAMA beta2 emis OTC CMAQS-0.2 setup	DVF 2020 3x3 cells MARAMA gamma2 emis OTC CMAQS-2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS-2.1 setup	DVF 2023 3x3 cells MARAMA gamma2 emis OTC CMAQS-2.1 setup	DVF 2023 3x3 cells from EPA 2011en/2023en emis	DVF 2023 Difference - CMAQ V CAMx
VA	51-059-0030	1	38.773350	-77.104698	Lee District Park	82.3	72	69.9	66.1	64.9	65.1	+1.2
VA	51-107-1005	1	39.024731	-77.489304	Broad Run High School, Ashburn	73.0	64	61.4	58.4	57.4	57.8	+1.0
VA	51-153-0009	1	38.852871	-77.634598	James S. Long Park	70.0	62	59.8	57.5	55.6	56.2	+1.9
VA	51-510-0009	1	38.810402	-77.044403	Alexandria Health Dept.	80.0	69	67.0	63.3	62.7	63.4	+0.6
VA	51-003-0001	1	38.076569	-78.503998	Albemarle High School	66.7	59	56.4	54.1	52.5	52.9	+1.6
VA	51-033-0001	1	38.200871	-77.377403	USGS Geomagnetic Center, Corbin	71.7	62	59.9	56.7	55.4	56.0	+1.3
VA	51-036-0002	1	37.344379	-77.259300	Shirley Plantation	75.7	66	61.2	59.7	58.2	59.4	+1.5
VA	51-041-0004	1	37.357479	-77.593597	VDOT Chesterfield Residency Shop	72.0	64	60.6	58.7	56.4	56.8	+2.3
VA	51-061-0002	1	38.473671	-77.767700	Chester Phelps Wildlife Management Area,	62.7	55	54.0	51.7	48.8	49.5	+2.9
VA	51-069-0010	1	39.281021	-78.081596	Rest	66.7	58	55.5	53.4	51.8	51.4	+1.6
VA	51-071-9991	1	37.329700	-80.557800	Horton Station	63.0	56	55.6	54.5	51.8	47.1	+2.7
VA	51-085-0003	1	37.606129	-77.218803	Turner Property, Old Church	73.7	65	60.0	57.7	56.5	56.9	+1.2
VA	51-087-0014	1	37.556519	-77.400299	MathScience Innovation Center	75.0	67	61.3	59.5	59.0	58.8	+0.5
VA	51-113-0003	1	38.521984	-78.435799	Shenandoah National Park, Big Meadows	70.7	64	62.0	60.2	57.3	57.0	+2.9
VA	51-139-0004	1	38.663731	-78.504402	Luray Caverns Airport	66.3	60	58.2	56.3	53.6	53.2	+2.7
VA	51-147-9991	1	37.165501	-78.306900	Prince Edward	62.0	56	52.8	51.4	49.3	50.3	+2.1
VA	51-161-1004	1	37.283421	-79.884499	East Vinton Elementary School	67.3	60	58.8	56.8	54.3	53.4	+2.5
VA	51-163-0003	1	37.626678	-79.512604	Natural Bridge Ranger Station	62.3	56	55.6	54.2	51.4	50.2	+2.8
VA	51-165-0003	1	38.477531	-78.819504	ROCKINGHAM CO. VDOT	66.0	60	57.8	56.0	53.4	53.7	+2.6
VA	51-179-0001	1	38.481232	-77.370399	Widewater Elementary School	73.0	62	59.1	55.0	54.8	55.4	+0.2
VA	51-197-0002	1	36.891171	-81.254204	Rural Retreat Sewage Treatment Plant	64.3	58	56.5	54.6	52.5	51.9	+2.1
VA	51-650-0008	1	37.103733	-76.387001	NASA Langley Research Center	74.0	66	65.3	62.2	58.2	58.2	+4.0
VA	51-800-0004	1	36.901180	-76.438103	Tidewater Community College	71.3	66	63.8	60.9	58.6	58.7	+2.3
VA	51-800-0005	1	36.665249	-76.730797	VA Tech Agricultural Research Station, H	69.7	61	58.6	56.4	55.2	54.7	+1.2