

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card	
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade	
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)			
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	
3	AL	Barry	1	SNCR	2006					Burns Natural Gas - CAMD 2016								N/A
3	AL	Barry	2	SNCR	2006					Burns Natural Gas - CAMD 2016								N/A
3	AL	Barry	3	SNCR	2006					Retire August 2015 - Alabama Power								N/A
3	AL	Barry	4	SNCR	2006	526.98	0.2625	4,014,794	25.14%	0.2262	2008	16.06%	454.07	-72.91	-0.75	2	B	
3	AL	Barry	5	SCR	2008	535.96	0.0658	16,298,133	56.89%	0.0603	2010	9.07%	491.39	-44.57	-0.35	2	A+	
56	AL	Charles R Lowman	2	SCR	2007	330.49	0.2334	2,831,834	29.58%	0.1640	2011	42.32%	232.21	-98.28	-1.72	2	C-	
56	AL	Charles R Lowman	3	SCR	2008	672.56	0.1888	7,126,321	72.81%	0.0585	2011	222.65%	208.44	-464.11	-3.29	3	E	
47	AL	Colbert	5	SCR	1995					Idled 2013; will be retired by December 31, 2015 - TVA. Retired 4/30/2016 - EPA SMS								N/A
26	AL	E C Gaston	5	SCR	2006	612.56	0.0661	18,546,330	47.57%	0.0673	2016	-1.85%	612.56	0.00	0.00	1	A+	
8	AL	Gorgas	10	SCR	2002	1,411.10	0.1502	18,792,707	66.62%	0.0680	2006	120.85%	638.95	-772.15	-5.79	3	E	
6002	AL	James H Miller Jr	1	SCR	2005	767.65	0.0606	25,328,072	96.31%	0.0656	2011	-7.60%	767.65	0.00	0.00	1	A+	
6002	AL	James H Miller Jr	2	SCR	2005	988.11	0.0652	30,308,574	96.58%	0.0538	2011	21.20%	815.30	-172.81	-1.14	2	A+	
6002	AL	James H Miller Jr	3	SCR	2003	655.08	0.0737	17,779,236	67.48%	0.0542	2016	35.96%	481.81	-173.27	-1.59	2	A	
6002	AL	James H Miller Jr	4	SCR	2003	710.28	0.0642	22,125,809	77.75%	0.0630	2008	1.91%	696.96	-13.32	-0.11	2	A+	
50	AL	Widows Creek	7	SCR	2003					Retire September 21, 2015 2015 - TVA								N/A
50	AL	Widows Creek	8	SCR	2004					Idled 2014 and has been retired - TVA								N/A
56564	AR	John W. Turk Jr. Power Plant	SN-01	SCR	2012	351.41	0.0409	17,168,725	84.66%	0.0393	2016	4.16%	337.37	-14.04	-0.10	2	A+	
56456	AR	Plum Point Energy Station	1	SCR	2010	716.52	0.0745	19,242,299	75.53%	0.0641	2012	16.18%	616.72	-99.80	-0.78	2	A	
594	DE	Indian River	1	SNCR	2008					Retire 5/1/2011 - PJM								N/A
594	DE	Indian River	3	SNCR	1999					Retire 12/31/2013 - PJM								N/A
594	DE	Indian River	4	SCR	2011	88.51	0.0841	2,105,722	14.24%	0.0657	2012	27.95%	69.17	-19.33	-0.47	2	A	
645	FL	Big Bend	BB01	SCR	2010	130.11	0.0464	5,613,666	29.08%	0.0823	2011	-43.68%	130.11	0.00	0.00	1	A+	
645	FL	Big Bend	BB02	SCR	2009	163.80	0.0698	4,696,736	26.98%	0.0809	2010	-13.78%	163.80	0.00	0.00	1	A+	
645	FL	Big Bend	BB03	SCR	2008	361.59	0.0834	8,670,210	49.29%	0.0908	2015	-8.14%	361.59	0.00	0.00	1	A	
645	FL	Big Bend	BB04	SCR	2007	405.93	0.0716	11,336,554	54.12%	0.0748	2010	-4.26%	405.93	0.00	0.00	1	A	
10672	FL	Cedar Bay Generating Co.	CBA	SNCR	2008					Retire 12/31/2016 - EPA SMS								N/A
10672	FL	Cedar Bay Generating Co.	CBB	SNCR	2008					Retire 12/31/2016 - EPA SMS								N/A
10672	FL	Cedar Bay Generating Co.	CBC	SNCR	2008					Retire 12/31/2016 - EPA SMS								N/A
10333	FL	Central Power & Lime	1	SCR	2013					Fuel Switch to Biomass 2012 - IHI Power								N/A
641	FL	Crist Electric Generating Plant	4	SNCR	2006					Did Not Report 2017 OS								N/A
641	FL	Crist Electric Generating Plant	5	SNCR	2006					Did Not Report 2017 OS								N/A
641	FL	Crist Electric Generating Plant	6	SCR	2012					Did Not Report 2017 OS								N/A
641	FL	Crist Electric Generating Plant	7	SCR	2005					Did Not Report 2017 OS								N/A
628	FL	Crystal River	4	SCR	2010	513.58	0.0500	20,556,834	74.50%	0.0504	2014	-0.86%	513.58	0.00	0.00	1	A+	
628	FL	Crystal River	5	SCR	2009	613.18	0.0548	22,372,268	77.72%	0.0446	2010	22.91%	498.90	-114.28	-0.77	2	A+	
564	FL	Curtis H. Stanton Energy Center	2	SCR	1996	854.33	0.1449	11,788,273	69.02%	0.1022	2016	41.82%	602.38	-251.94	-1.85	2	B	
663	FL	Deerhaven	B2	SCR	2009	684.49	0.3606	3,796,873	45.06%	0.0571	2012	531.44%	108.40	-576.08	-4.40	3	F	
50976	FL	Indiantown Cogeneration Facility	1	SCR	2008	106.23	0.2138	993,873	N/A	0.1486	2009	43.85%	73.84	-32.38	-1.10	2	C-	
643	FL	Lansing Smith Generating Plant	1	SNCR	2009					Retire 3/31/2016 - EPA SMS								N/A
643	FL	Lansing Smith Generating Plant	2	SNCR	2009					Retire 3/31/2016 - EPA SMS								N/A
667	FL	Northside	1A	SNCR	2002	222.52	0.0565	7,876,924	72.76%	0.0252	2013	124.20%	99.25	-123.27	-0.96	3	A	
667	FL	Northside	2A	SNCR	2002	57.45	0.0585	1,962,874	18.97%	0.0420	2012	39.37%	41.22	-16.23	-0.44	2	A	
136	FL	Seminole (136)	1	SCR	2009	468.90	0.0658	14,261,545	57.92%	0.0434	2010	51.51%	309.48	-159.42	-1.36	2	A+	
136	FL	Seminole (136)	2	SCR	2009	514.01	0.0597	17,233,749	69.47%	0.0404	2011	47.65%	348.12	-165.89	-1.20	2	A+	
207	FL	St. Johns River Power	1	SCR	2009	2,835.36	0.3841	14,765,108	59.47%	0.1265	2010	203.61%	933.89	-1,901.46	-12.54	3	F	
207	FL	St. Johns River Power	2	SCR	2009	2,914.45	0.3776	15,437,770	59.67%	0.1274	2010	196.37%	983.39	-1,931.06	-12.82	3	F	
703	GA	Bowen	1BLR	SCR	2001	518.43	0.0625	16,600,062	60.84%	0.0547	2008	14.19%	454.01	-64.41	-0.50	2	A+	
703	GA	Bowen	2BLR	SCR	2001	239.00	0.0578	8,267,726	31.82%	0.0543	2006	6.48%	224.47	-14.54	-0.22	2	A+	
703	GA	Bowen	3BLR	SCR	2003	673.35	0.0586	22,967,188	64.98%	0.0553	2006	6.03%	635.04	-38.31	-0.29	2	A+	
703	GA	Bowen	4BLR	SCR	2003	728.14	0.0597	24,391,267	71.26%	0.0525	2013	13.72%	640.27	-87.87	-0.64	2	A+	
708	GA	Hammond	4	SCR	2002	193.19	0.0629	6,142,926	27.96%	0.0553	2007	13.74%	169.85	-23.34	-0.31	2	A+	
6257	GA	Scherer	1	SCR	2013	496.11	0.0636	15,592,155	48.97%	0.0613	2014	3.81%	477.90	-18.21	-0.14	2	A+	
6257	GA	Scherer	2	SCR	2013	661.99	0.0630	20,999,677	66.62%	0.0606	2014	4.04%	636.29	-25.70	-0.17	2	A+	

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)	Calculated	Calculated
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated
6257	GA	Scherer	3	SCR	2010	663.49	0.0635	20,890,475	59.26%	0.0593	2012	7.12%	619.40	-44.09	-0.33	2	A+
6257	GA	Scherer	4	SCR	2012	718.09	0.0633	22,679,638	63.91%	0.0627	2013	1.00%	711.01	-7.08	-0.05	2	A+
6052	GA	Wansley (6052)	1	SCR	2003	417.98	0.0624	13,405,286	39.57%	0.0475	2010	31.29%	318.38	-99.61	-0.96	2	A+
6052	GA	Wansley (6052)	2	SCR	2003	304.66	0.0657	9,278,807	28.67%	0.0507	2006	29.52%	235.22	-69.45	-0.90	2	A+
1091	IA	George Neal North	3	SNCR	2015					N/A - Future Controls							N/A
7343	IA	George Neal South	4	SNCR	2014	1,312.18	0.1842	14,245,843	64.99%	0.1873	2015	-1.64%	1,312.18	0.00	0.00	1	A-
1047	IA	Lansing	4	SCR	2010	106.50	0.0420	5,069,953	46.57%	0.0413	2016	1.72%	104.70	-1.80	-0.02	2	A+
1077	IA	Sutherland	3	SNCR	2009					Fuel Switch to Nat Gas 2012 - Alliant. Retired 6/1/2017 - EPA SMS							N/A
1082	IA	Walter Scott Jr. Energy Center	4	SCR	2007	714.31	0.0571	25,002,869	96.15%	0.0537	2010	6.40%	671.33	-42.98	-0.28	2	A+
889	IL	Baldwin Energy Complex	1	SCR	2003	710.34	0.0832	17,067,998	80.19%	0.0535	2009	55.58%	456.57	-253.77	-1.84	2	A
889	IL	Baldwin Energy Complex	2	SCR	2004	747.54	0.0827	18,080,345	81.75%	0.0509	2010	62.46%	460.14	-287.40	-2.14	2	A
861	IL	Coffeen	01	SCR	2003	263.92	0.0627	8,419,213	62.43%	0.0495	2011	26.66%	208.38	-55.54	-0.44	2	A+
861	IL	Coffeen	02	SCR	2002	719.30	0.0878	16,376,170	74.18%	0.0524	2008	67.65%	429.06	-290.24	-2.09	2	A
867	IL	Crawford	7	SNCR	2012					Retire 3/8/2012 - PJM							N/A
867	IL	Crawford	8	SNCR	2012					Retire 3/8/2012 - PJM							N/A
963	IL	Dallman	31	SCR	2003	63.10	0.0975	1,293,979	35.15%	0.0938	2007	3.97%	60.69	-2.41	-0.03	2	A
963	IL	Dallman	32	SCR	2003	51.38	0.0980	1,048,686	28.56%	0.0846	2008	15.83%	44.36	-7.02	-0.10	2	A
963	IL	Dallman	33	SCR	2003	118.25	0.0666	3,552,062	41.75%	0.0603	2014	10.42%	107.09	-11.16	-0.11	2	A+
963	IL	Dallman	4	SCR	2010	193.41	0.0622	6,223,469	62.97%	0.0447	2011	39.05%	139.09	-54.32	-0.40	2	A+
6016	IL	Duck Creek	1	SCR	2003	538.93	0.1266	8,515,651	58.58%	0.0736	2009	71.97%	313.38	-225.55	-1.81	2	B
856	IL	E D Edwards	3	SCR	2003	323.38	0.0894	7,237,203	63.18%	0.0445	2009	100.82%	161.03	-162.35	-1.30	3	A
891	IL	Havana	9	SCR	2003	542.19	0.0813	13,331,460	69.92%	0.0290	2008	180.48%	193.31	-348.88	-2.52	3	A
384	IL	Joliet 29	71	SNCR	2012					Fuel Switch to Nat Gas Mid 2016 - CAMD							N/A
384	IL	Joliet 29	72	SNCR	2012					Fuel Switch to Nat Gas Mid 2016 - CAMD							N/A
384	IL	Joliet 29	81	SNCR	2012					Fuel Switch to Nat Gas Mid 2016 - CAMD							N/A
384	IL	Joliet 29	82	SNCR	2012					Fuel Switch to Nat Gas Mid 2016 - CAMD							N/A
874	IL	Joliet 9	5	SNCR	2012					Fuel Switch to Nat Gas Mid 2016 - CAMD							N/A
876	IL	Kincaid Station	1	SCR	2002	219.87	0.0637	6,905,734	28.82%	0.0577	2013	10.36%	199.23	-20.64	-0.28	2	A+
876	IL	Kincaid Station	2	SCR	2002	290.10	0.0683	8,491,277	35.12%	0.0600	2009	13.88%	254.74	-35.36	-0.42	2	A+
976	IL	Marion	123	SNCR	2003	161.88	0.0793	4,085,026	82.32%	0.0656	2006	20.81%	133.99	-27.89	-0.20	2	A
976	IL	Marion	4	SCR	2003	192.13	0.0639	6,010,900	80.44%	0.0785	2015	-18.56%	192.13	0.00	0.00	1	A+
879	IL	Powerton	51	SNCR	2012	343.63	0.0910	7,548,652	19.58%	0.0985	2013	-7.57%	343.63	0.00	0.00	1	A+
879	IL	Powerton	52	SNCR	2012	338.83	0.0907	7,474,372	19.41%	0.0987	2015	-8.14%	338.83	0.00	0.00	1	A+
879	IL	Powerton	61	SNCR	2012	376.14	0.1026	7,331,071	18.93%	0.0973	2013	5.46%	356.66	-19.49	-0.22	2	A
879	IL	Powerton	62	SNCR	2012	344.89	0.1003	6,878,636	17.94%	0.0885	2015	13.31%	304.38	-40.51	-0.47	2	A
55856	IL	Prairie State Generating Company	01	SCR	2012	867.92	0.0642	27,040,279	86.73%	0.0689	2016	-6.83%	867.92	0.00	0.00	1	A+
55856	IL	Prairie State Generating Company	02	SCR	2012	850.93	0.0660	25,785,575	88.80%	0.0590	2013	11.87%	760.67	-90.26	-0.67	2	A+
884	IL	Will County	3	SNCR	2012					Did Not Operate 2017 OS							N/A
884	IL	Will County	4	SNCR	2012					Did Not Operate 2017 OS							N/A
6137	IN	A B Brown Generating Station	1	SCR	2005	268.58	0.0841	6,384,877	61.71%	0.0756	2006	11.28%	241.35	-27.23	-0.20	2	A
6137	IN	A B Brown Generating Station	2	SCR	2004	312.83	0.1153	5,424,699	53.82%	0.1009	2006	14.31%	273.68	-39.15	-0.35	2	B
6705	IN	Alcoa Allowance Management Inc	4	SCR	2004	327.61	0.0803	8,161,099	62.98%	0.0948	2007	-15.31%	327.61	0.00	0.00	1	A
995	IN	Bailly Generating Station	7	SCR	2016					N/A - Future Controls							N/A
995	IN	Bailly Generating Station	8	SCR	2004	290.02	0.1123	5,163,072	30.98%	0.1167	2016	-3.73%	290.02	0.00	0.00	1	A-
1001	IN	Cayuga	1	SCR	2016					N/A - Future Controls							N/A
1001	IN	Cayuga	2	SCR	2016					N/A - Future Controls							N/A
983	IN	Clifty Creek	1	SCR	2003	178.52	0.0738	4,837,170	64.52%	0.0735	2005	0.42%	177.77	-0.75	-0.01	2	A
983	IN	Clifty Creek	2	SCR	2003	172.66	0.0732	4,715,705	62.83%	0.0750	2005	-2.36%	172.66	0.00	0.00	1	A
983	IN	Clifty Creek	3	SCR	2003	149.13	0.0724	4,116,727	54.95%	0.0742	2005	-2.36%	149.13	0.00	0.00	1	A
983	IN	Clifty Creek	4	SCR	2003	239.53	0.1023	4,684,860	62.86%	0.2359	2006	-56.65%	239.53	0.00	0.00	1	A-
983	IN	Clifty Creek	5	SCR	2003	226.78	0.0952	4,762,480	63.65%	0.2406	2006	-60.42%	226.78	0.00	0.00	1	A
1004	IN	Edwardsport	CTG1	SCR	2013	155.78	0.0503	6,196,079	81.55%	0.0443	2014	13.50%	137.24	-18.53	-0.13	2	A+
1004	IN	Edwardsport	CTG2	SCR	2013	144.59	0.0493	5,866,901	81.37%	0.0500	2016	-1.42%	144.59	0.00	0.00	1	A+

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card	
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From Best Historical Performance	Bin For Best Historical Performance	Letter Grade	
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)	Calculated	Calculated	
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	
1012	IN	F B Culley Generating Station	2	SCR	2003	98.43	0.1571	1,253,361	27.31%	0.1482	2015	5.98%	92.87	-5.56	-0.08	2	C-	
1012	IN	F B Culley Generating Station	3	SCR	2003	522.73	0.1105	9,457,854	83.55%	0.0885	2015	24.90%	418.51	-104.22	-0.68	2	B	
1043	IN	Frank E Ratts	15G1	SNCR	2015	Retire 3/3/2015 - EPA SMS												N/A
1043	IN	Frank E Ratts	25G1	SNCR	2015	Retire 3/3/2015 - EPA SMS												N/A
6113	IN	Gibson	1	SCR	2002	582.33	0.0791	14,727,447	72.15%	0.0343	2007	130.56%	252.58	-329.76	-2.45	3	A	
6113	IN	Gibson	2	SCR	2002	349.47	0.0530	13,177,121	52.95%	0.0672	2006	-21.07%	349.47	0.00	0.00	1	A+	
6113	IN	Gibson	3	SCR	2002	534.49	0.0827	12,927,938	56.32%	0.0659	2005	25.47%	425.98	-108.51	-0.97	2	A	
6113	IN	Gibson	4	SCR	2003	673.99	0.0793	17,003,248	75.07%	0.0632	2008	25.44%	537.30	-136.68	-0.97	2	A	
6113	IN	Gibson	5	SCR	2004	1,097.12	0.1462	15,009,371	69.02%	0.0597	2007	144.88%	448.03	-649.09	-4.53	3	C	
990	IN	Harding Street Station (EW Stout)	50	SNCR	2004	Fuel Switch to Nat Gas mid 2015 - CAMD												N/A
990	IN	Harding Street Station (EW Stout)	60	SNCR	2004	Fuel Switch to Nat Gas mid 2015 - CAMD												N/A
990	IN	Harding Street Station (EW Stout)	70	SCR	2005	Fuel Switch to Nat Gas mid 2016 (4/1/2016 per SMS) - CAMD												N/A
6213	IN	Merom	15G1	SCR	2004	352.09	0.0605	11,638,322	56.73%	0.0606	2016	-0.16%	352.09	0.00	0.00	1	A+	
6213	IN	Merom	25G1	SCR	2004	386.62	0.0601	12,871,175	69.48%	0.0587	2015	2.34%	377.77	-8.85	-0.06	2	A+	
997	IN	Michigan City Generating Station	12	SCR	2003	115.36	0.0990	2,330,802	11.93%	0.0840	2016	17.85%	97.89	-17.47	-0.56	2	A	
994	IN	Petersburg	2	SCR	2004	470.53	0.0840	11,206,674	58.01%	0.0510	2005	64.65%	285.77	-184.76	-1.39	2	A	
994	IN	Petersburg	3	SCR	2004	526.59	0.0769	13,691,470	52.05%	0.0466	2005	65.07%	319.01	-207.58	-1.66	2	A	
6085	IN	R M Schahfer Generating Station	14	SCR	2004	179.71	0.0887	4,050,084	18.69%	0.0979	2013	-9.35%	179.71	0.00	0.00	1	A	
6166	IN	Rockport	MB1	SCR	2017	SCR 7/26/2017 - EPA CAMD. Best OS will be 2018. Begin assessing 2019 OS												N/A
6166	IN	Rockport	MB2	SCR	2020	N/A - Future Controls												N/A
988	IN	Tanners Creek	U1	SNCR	2009	Retire 6/1/2015 - PJM												N/A
988	IN	Tanners Creek	U2	SNCR	2009	Retire 6/1/2015 - PJM												N/A
988	IN	Tanners Creek	U3	SNCR	2009	Retire 6/1/2015 - PJM												N/A
6068	KS	Jeffrey Energy Center	1	SCR	2014	293.85	0.0309	19,041,188	72.30%	0.0381	2016	-18.99%	293.85	0.00	0.00	1	A+	
6068	KS	Jeffrey Energy Center	2	SNCR	2014	1,205.47	0.1208	19,957,916	75.98%	0.0988	2015	22.27%	985.92	-219.55	-1.67	2	A	
6068	KS	Jeffrey Energy Center	3	SNCR	2012	1,283.65	0.1260	20,380,507	76.30%	0.1152	2015	9.35%	1,173.92	-109.74	-0.83	2	A	
1241	KS	La Cygne	1	SCR	2007	774.34	0.0811	19,099,068	70.92%	0.0785	2016	3.30%	749.64	-24.70	-0.20	2	A	
1241	KS	La Cygne	2	SCR	2014	98.85	0.0710	2,786,295	11.81%	0.0908	2015	-21.86%	98.85	0.00	0.00	1	A	
6064	KS	Nearman Creek	N1	SCR	2017	SCR 9/1/2016 - EPA CAMD. Best OS will be 2017. Begin assessing 2018 OS												N/A
1353	KY	Big Sandy	BSU2	SCR	2003	Retire 6/1/2015 - PJM												N/A
6823	KY	DB Wilson	W1	SCR	2001	386.08	0.0633	12,203,622	52.30%	0.0477	2006	32.65%	291.06	-95.02	-0.80	2	A+	
1355	KY	E W Brown	3	SCR	2012	219.79	0.0734	5,985,872	35.02%	0.1516	2016	-51.55%	219.79	0.00	0.00	1	A	
6018	KY	East Bend	2	SCR	2002	981.56	0.1070	18,351,963	72.89%	0.0518	2006	106.51%	475.32	-506.24	-3.85	3	C	
1374	KY	Elmer Smith	1	SCR	2003	126.25	0.0950	2,659,162	43.26%	0.1229	2006	-22.74%	126.25	0.00	0.00	1	A	
1374	KY	Elmer Smith	2	SNCR	2004	824.52	0.2965	5,561,816	53.10%	0.2179	2005	36.07%	605.96	-218.56	-1.72	2	B	
1356	KY	Ghent	1	SCR	2004	408.28	0.0586	13,930,086	69.07%	0.0448	2005	30.84%	312.03	-96.24	-0.68	2	A+	
1356	KY	Ghent	3	SCR	2004	917.75	0.1600	11,468,784	65.66%	0.0272	2005	488.39%	155.98	-761.77	-5.22	3	E	
1356	KY	Ghent	4	SCR	2004	353.29	0.0499	14,157,722	75.37%	0.0272	2005	83.48%	192.55	-160.74	-1.08	2	A+	
6041	KY	H L Spurlock	1	SCR	2003	215.47	0.0910	4,736,954	38.23%	0.0829	2008	9.74%	196.35	-19.12	-0.23	2	A	
6041	KY	H L Spurlock	2	SCR	2002	587.30	0.0891	13,183,762	60.00%	0.0729	2006	22.21%	480.55	-106.75	-0.90	2	A	
6041	KY	H L Spurlock	3	SNCR	2004	190.00	0.0615	6,174,342	58.91%	0.0577	2015	6.66%	178.13	-11.87	-0.10	2	A	
6041	KY	H L Spurlock	4	SNCR	2009	209.34	0.0603	6,940,204	69.45%	0.0570	2016	5.89%	197.69	-11.65	-0.09	2	A	
1382	KY	HMP&L Station 2	H1	SCR	2002	174.71	0.1626	2,148,588	26.23%	0.0606	2007	168.36%	65.10	-109.60	-1.71	3	E	
1382	KY	HMP&L Station 2	H2	SCR	2002	375.78	0.1713	4,386,578	54.54%	0.0666	2009	157.26%	146.07	-229.71	-1.70	3	E	
1384	KY	John S. Cooper	2	SCR	2012	98.54	0.0941	2,093,482	25.75%	0.1126	2016	-16.39%	98.54	0.00	0.00	1	A	
1364	KY	Mill Creek	3	SCR	2003	298.41	0.0544	10,969,005	66.14%	0.0450	2005	20.91%	246.80	-51.61	-0.34	2	A+	
1364	KY	Mill Creek	4	SCR	2003	403.92	0.0600	13,466,797	70.50%	0.0374	2007	60.39%	251.83	-152.09	-1.00	2	A+	
1378	KY	Paradise	1	SCR	2001	Retired 6/30/2017 - EPA SMS												N/A
1378	KY	Paradise	2	SCR	2000	Retired 6/30/2017 - EPA SMS												N/A
1378	KY	Paradise	3	SCR	2004	2,425.25	0.2230	21,750,305	46.92%	0.1001	2005	122.79%	1,088.60	-1,336.64	-13.51	3	F	
1379	KY	Shawnee	1	SCR	2017	N/A - Future Controls												N/A
1379	KY	Shawnee	4	SCR	2017	N/A - Future Controls												N/A
6071	KY	Trimble County	1	SCR	2002	485.38	0.0674	14,402,130	74.48%	0.0309	2005	118.14%	222.51	-262.87	-1.86	3	A+	

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card	
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade	
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)	Calculated	Calculated	
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	
6071	KY	Trimble County	2	SCR	2010	484.30	0.0449	21,581,129	79.77%	0.0480	2016	-6.50%	484.30	0.00	0.00	1	A+	
6055	LA	Big Cajun 2	2B1	SNCR	2014	846.93	0.1380	12,273,887	46.58%	0.1371	2015	0.66%	841.37	-5.56	-0.05	2	A	
6055	LA	Big Cajun 2	2B2	SNCR	2014					Fuel switch to Nat Gas 2016								N/A
6055	LA	Big Cajun 2	2B3	SNCR	2014	954.87	0.1257	15,188,052	65.41%	0.1131	2016	11.14%	859.17	-95.70	-0.70	2	A	
51	LA	Dolet Hills Power Station	1	SNCR	2013	1,297.19	0.1923	13,494,481	51.36%	0.1917	2014	0.29%	1,293.45	-3.75	-0.03	2	B	
6190	LA	Rodemacher Power Station (6190)	2	SNCR	2013	674.24	0.1266	10,653,449	47.87%	0.1358	2015	-6.79%	674.24	0.00	0.00	1	A+	
6190	LA	Rodemacher Power Station (6190)	3-1	SNCR	2009	162.12	0.0352	9,205,309	93.27%	0.0289	2011	21.88%	133.02	-29.11	-0.22	2	A	
6190	LA	Rodemacher Power Station (6190)	3-2	SNCR	2009	134.92	0.0263	10,275,132	106.55%	0.0419	2014	-37.33%	134.92	0.00	0.00	1	A+	
1619	MA	Brayton Point	1	SCR	2006					Retire 6/1/2017 - EPA SMS								N/A
1619	MA	Brayton Point	3	SCR	2006					Retire 6/1/2017 - EPA SMS								N/A
1606	MA	Mount Tom	1	SCR	2006					Retire 5/27/2014 - EPA SMS								N/A
1626	MA	Salem Harbor	1	SNCR	1995					Retire 6/2012 - Mass EEA								N/A
1626	MA	Salem Harbor	2	SNCR	1995					Retire 6/2012 - Mass EEA								N/A
1626	MA	Salem Harbor	3	SNCR	1995					Retire 5/2014 - Mass EEA								N/A
10678	MD	AES Warrior Run	001	SNCR	2000	194.44	0.0709	5,487,530	53.91%	0.0510	2008	38.95%	139.93	-54.50	-0.37	2	A	
602	MD	Brandon Shores	1	SCR	2000	316.91	0.0581	10,901,009	41.20%	0.0589	2007	-1.29%	316.91	0.00	0.00	1	A+	
602	MD	Brandon Shores	2	SCR	2000	460.83	0.0674	13,674,092	55.46%	0.0727	2016	-7.29%	460.83	0.00	0.00	1	A+	
1552	MD	C P Crane	1	SNCR	2009	99.09	0.2571	770,931	10.18%	0.2546	2016	0.98%	98.12	-0.96	-0.04	2	B	
1552	MD	C P Crane	2	SNCR	2009	118.82	0.2938	808,864	10.21%	0.2351	2015	24.97%	95.08	-23.74	-0.66	2	B	
1554	MD	Herbert A Wagner	2	SNCR	2009	19.02	0.2387	159,398	2.32%	0.2222	2015	7.41%	17.71	-1.31	-0.07	2	B	
1554	MD	Herbert A Wagner	3	SCR	2002	46.04	0.0632	1,457,665	10.96%	0.0552	2015	14.44%	40.23	-5.81	-0.17	2	A+	
1571	MD	Mirant Chalk Point	1	SCR	2008	127.97	0.1098	2,330,944	15.66%	0.1040	2014	5.57%	121.21	-6.76	-0.18	2	B	
1571	MD	Mirant Chalk Point (SACR)	2	SACR	2006	155.11	0.2045	1,517,152	10.61%	0.1927	2009	6.11%	146.18	-8.93	-0.35	2	B	
1572	MD	Mirant Dickerson	1	SNCR	2009	42.60	0.2353	362,140	4.97%	0.2197	2015	7.09%	39.78	-2.82	-0.15	2	B	
1572	MD	Mirant Dickerson	2	SNCR	2009	56.04	0.2321	482,878	6.58%	0.2212	2015	4.93%	53.41	-2.63	-0.11	2	B	
1572	MD	Mirant Dickerson	3	SNCR	2009	43.99	0.2267	388,141	5.29%	0.2178	2015	4.07%	42.27	-1.72	-0.09	2	B	
1573	MD	Mirant Morgantown	1	SCR	2007	117.60	0.0379	6,206,175	29.57%	0.0251	2013	50.98%	77.89	-39.71	-0.50	2	A+	
1573	MD	Mirant Morgantown	2	SCR	2008	145.06	0.0365	7,956,004	37.51%	0.0309	2011	18.01%	122.92	-22.13	-0.25	2	A+	
1702	MI	Dan E Karn	1	SCR	2004	189.81	0.0449	8,454,993	160.92%	0.0488	2015	-8.00%	189.81	0.00	0.00	1	A+	
1702	MI	Dan E Karn	2	SCR	2003	150.88	0.0420	7,192,011	139.17%	0.0443	2015	-5.29%	150.88	0.00	0.00	1	A+	
1710	MI	J H Campbell	2	SCR	2013	187.91	0.0582	6,462,696	43.08%	0.0303	2016	91.92%	97.91	-90.00	-0.79	2	A+	
1710	MI	J H Campbell	3	SCR	2007	750.76	0.0596	25,202,746	79.50%	0.0414	2015	43.91%	521.70	-229.07	-1.53	2	A+	
1733	MI	Monroe	1	SCR	2003	609.04	0.0643	18,952,399	61.89%	0.0380	2014	69.13%	360.10	-248.95	-1.75	2	A+	
1733	MI	Monroe	2	SCR	2015					N/A - Future Controls								N/A
1733	MI	Monroe	3	SCR	2007	659.03	0.0621	21,210,444	79.42%	0.0534	2016	16.45%	565.91	-93.12	-0.61	2	A+	
1733	MI	Monroe	4	SCR	2003	648.36	0.0620	20,899,394	73.65%	0.0408	2013	52.07%	426.35	-222.01	-1.56	2	A+	
1915	MN	Allen S King	1	SCR	2007	606.11	0.0944	12,838,229	60.11%	0.0860	2010	9.79%	552.04	-54.06	-0.44	2	A	
1893	MN	Boswell Energy Center	1	SNCR	2009	199.13	0.1812	2,197,804	66.23%	0.1708	2014	6.09%	187.69	-11.44	-0.08	2	B	
1893	MN	Boswell Energy Center	2	SNCR	2009	158.63	0.1730	1,833,491	61.22%	0.1714	2014	0.95%	157.13	-1.50	-0.01	2	B	
1893	MN	Boswell Energy Center	3	SCR	2009	298.18	0.0569	10,478,658	75.13%	0.0500	2010	13.82%	261.97	-36.22	-0.25	2	A+	
1893	MN	Boswell Energy Center	4	SNCR	2009	1,030.22	0.1061	19,423,362	90.38%	0.1057	2015	0.36%	1,026.52	-3.69	-0.02	2	A	
10075	MN	Taconite Harbor Energy Center	1	SNCR	2008					Did Not Operate 2017 OS								N/A
10075	MN	Taconite Harbor Energy Center	2	SNCR	2007					Did Not Operate 2017 OS								N/A
2076	MO	Asbury	1	SCR	2008	353.43	0.0991	7,133,970	80.90%	0.0918	2009	7.93%	327.45	-25.98	-0.19	2	A	
2079	MO	Hawthorn	5A	SCR	2001	394.03	0.0664	11,875,729	63.57%	0.0718	2012	-7.58%	394.03	0.00	0.00	1	A+	
6065	MO	Iatan	1	SCR	2009	748.98	0.0688	21,757,209	87.73%	0.0613	2015	12.32%	666.86	-82.12	-0.55	2	A+	
6065	MO	Iatan	2	SCR	2010	658.53	0.0488	26,983,716	100.59%	0.0462	2011	5.65%	623.32	-35.21	-0.23	2	A+	
6195	MO	John Twitty Energy Center	1	SCR	2009	193.02	0.0948	4,071,674	57.77%	0.0626	2016	51.45%	127.45	-65.57	-0.56	2	A	
6195	MO	John Twitty Energy Center	2	SCR	2011	229.97	0.0715	6,429,078	65.95%	0.0596	2014	20.04%	191.59	-38.38	-0.27	2	A	
2167	MO	New Madrid Power Plant	1	SCR	2002	874.61	0.1078	16,229,093	84.43%	0.0895	2008	20.43%	726.25	-148.35	-0.99	2	B	
2167	MO	New Madrid Power Plant	2	SCR	2000	787.91	0.1044	15,093,626	80.06%	0.0941	2009	10.95%	710.16	-77.75	-0.53	2	B	
2094	MO	Sibley	1	SNCR	2008	0.11	0.1419	1,578	0.00%	0.3413	2013	-58.41%	0.11	0.00	0.00	1	A+	
2094	MO	Sibley	2	SNCR	2008	0.43	0.3317	2,569	0.00%	0.4161	2013	-20.28%	0.43	0.00	0.00	1	B-	

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card	
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade	
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)	Calculated	Calculated	
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	
2094	MO	Sibley	3	SCR	2009	893.46	0.1826	9,783,562	63.92%	0.0787	2010	132.08%	384.98	-508.47	-3.61	3	E	
6768	MO	Sikeston	1	SNCR	2009					Did Not Report 2017 OS								N/A
2168	MO	Thomas Hill Energy Center	MB1	SCR	2009	349.26	0.1170	5,971,757	80.67%	0.0958	2010	22.10%	286.05	-63.21	-0.45	2	B	
2168	MO	Thomas Hill Energy Center	MB2	SCR	2009	464.90	0.1079	8,617,723	79.04%	0.1150	2015	-6.18%	464.90	0.00	0.00	1	A-	
2168	MO	Thomas Hill Energy Center	MB3	SCR	2009	1,002.68	0.0997	20,110,101	85.84%	0.0961	2010	3.77%	966.29	-36.39	-0.27	2	A	
2706	NC	Asheville	1	SCR	2007	108.65	0.0829	2,622,486	35.92%	0.0455	2009	82.11%	59.66	-48.99	-0.45	2	A	
2706	NC	Asheville	2	SCR	2006	119.93	0.0815	2,942,956	38.19%	0.0612	2008	33.17%	90.05	-29.87	-0.24	2	A	
8042	NC	Belews Creek	1	SCR	2003	2,190.23	0.1874	23,375,951	66.59%	0.0280	2007	569.26%	327.26	-1,862.97	-16.29	3	E	
8042	NC	Belews Creek	2	SCR	2003	1,575.62	0.1163	27,091,766	76.99%	0.0382	2009	204.50%	517.45	-1,058.17	-7.57	3	C	
2720	NC	Buck	8	SNCR	2006					Retire 4/2013 - Duke								N/A
2720	NC	Buck	9	SNCR	2006					Retire 4/2013 - Duke								N/A
2708	NC	Cape Fear	5	SNCR	2006					Retire 10/2012 - Duke								N/A
2708	NC	Cape Fear	6	SNCR	2006					Retire 10/2012 - Duke								N/A
2721	NC	Cliffside	5	SCR	2002	147.35	0.1139	2,587,818	14.40%	0.0560	2011	103.35%	72.46	-74.89	-2.39	3	C	
2721	NC	Cliffside	6	SCR	2012	624.79	0.0542	23,062,073	92.46%	0.0457	2013	18.56%	526.97	-97.82	-0.67	2	A+	
2718	NC	G G Allen	1	SNCR	2003	56.52	0.2587	436,883	7.12%	0.1643	2005	57.48%	35.89	-20.63	-1.14	2	B	
2718	NC	G G Allen	2	SNCR	2007	47.25	0.2525	374,311	6.11%	0.1655	2008	52.55%	30.97	-16.28	-1.01	2	B	
2718	NC	G G Allen	3	SNCR	2005	229.19	0.3286	1,394,966	15.27%	0.1712	2007	91.94%	119.41	-109.78	-2.90	2	C-	
2718	NC	G G Allen	4	SNCR	2006	242.52	0.3219	1,506,998	16.49%	0.1778	2008	81.02%	133.97	-108.55	-2.82	2	C-	
2718	NC	G G Allen	5	SNCR	2008	393.71	0.2928	2,689,692	26.49%	0.1912	2012	53.11%	257.13	-136.57	-2.22	2	B	
2713	NC	L V Sutton	3	SNCR	2005					Retire 11/2013 - Duke								N/A
10382	NC	Lumberton Power	UNIT1	SNCR	2015					Fuel Switch to Wood 5/25/2015 - EPA SMS								N/A
10382	NC	Lumberton Power	UNIT2	SNCR	2015					Fuel Switch to Wood 5/25/2015 - EPA SMS								N/A
2727	NC	Marshall	1	SNCR	2006	735.27	0.2515	5,846,673	47.31%	0.1960	2010	28.32%	572.97	-162.29	-1.86	2	B	
2727	NC	Marshall	2	SNCR	2007	655.90	0.2652	4,946,903	40.23%	0.1956	2010	35.57%	483.81	-172.10	-2.17	2	B	
2727	NC	Marshall	3	SCR	2008	715.25	0.1085	13,184,784	59.29%	0.0679	2009	59.79%	447.62	-267.62	-2.40	2	B	
2727	NC	Marshall	4	SNCR	2007	2,250.46	0.2500	18,000,216	83.08%	0.2008	2008	24.53%	1,807.22	-443.23	-3.06	2	B	
6250	NC	Mayo	1A	SCR	2006	363.64	0.1645	4,420,095	N/A	0.0610	2007	169.73%	134.81	-228.82	-2.43	3	E	
6250	NC	Mayo	1B	SCR	2006	348.04	0.1638	4,249,704	N/A	0.0614	2007	166.77%	130.47	-217.57	-2.31	3	E	
2732	NC	Riverbend	10	SNCR	2006					Retire 10/2012 - Duke								N/A
2732	NC	Riverbend	7	SNCR	2007					Retire 10/2012 - Duke								N/A
2732	NC	Riverbend	8	SNCR	2007					Retire 10/2012 - Duke								N/A
2732	NC	Riverbend	9	SNCR	2006					Retire 10/2012 - Duke								N/A
2712	NC	Roxboro	1	SCR	2002	488.78	0.1645	5,943,668	39.83%	0.0840	2005	95.80%	249.63	-239.15	-2.33	2	C-	
2712	NC	Roxboro	2	SCR	2005	621.79	0.1320	9,418,148	43.15%	0.0575	2011	129.64%	270.77	-351.02	-3.60	3	C	
2712	NC	Roxboro	3A	SCR	2002	532.09	0.1699	6,262,624	N/A	0.0742	2005	129.01%	232.34	-299.75	-2.27	3	E	
2712	NC	Roxboro	3B	SCR	2002	526.15	0.1726	6,097,746	N/A	0.0756	2005	128.27%	230.49	-295.66	-2.26	3	E	
2712	NC	Roxboro	4A	SCR	2001	417.28	0.1741	4,794,853	N/A	0.0793	2009	119.49%	190.12	-227.17	-2.80	3	E	
2712	NC	Roxboro	4B	SCR	2001	392.78	0.1812	4,335,534	N/A	0.0793	2009	128.49%	171.90	-220.87	-2.93	3	E	
54755	NC	Westmoreland Partners Roanoke Valley II	2	SNCR	2003					Did Not Operate 2017 OS								N/A
60	NE	Gerald Whelan Energy Center	2	SCR	2011	156.44	0.0716	4,370,633	55.38%	0.0619	2012	15.65%	135.27	-21.17	-0.19	2	A	
6096	NE	Nebraska City Station	2	SCR	2009	608.32	0.0647	18,789,675	83.27%	0.0570	2016	13.60%	535.51	-72.81	-0.52	2	A+	
2364	NH	Merrimack	1	SCR	2003	46.01	0.3141	292,937	5.36%	0.1613	2005	94.76%	23.63	-22.39	-1.87	2	C-	
2364	NH	Merrimack	2	SCR	1995	77.58	0.3100	500,467	3.56%	0.1590	2006	94.99%	39.79	-37.79	-3.71	2	C-	
2367	NH	Schiller	4	SNCR	1999	12.52	0.2191	114,313	4.13%	0.1811	2007	20.96%	10.35	-2.17	-0.07	2	B	
2367	NH	Schiller	6	SNCR	1999	2.98	0.1951	30,558	1.29%	0.1896	2007	2.90%	2.90	-0.08	-0.02	2	B	
2378	NJ	B L England	1	SNCR	1995					Retire 5/1/2014 - PJM								N/A
2378	NJ	B L England	2	SNCR	1998					Did Not Operate 2017 OS								N/A
10566	NJ	Carneys Point	1001	SCR	1999	111.07	0.1123	1,978,408	N/A	0.1211	2016	-7.28%	111.07	0.00	0.00	1	A-	
10566	NJ	Carneys Point	1002	SCR	1999	133.37	0.1126	2,368,026	N/A	0.1069	2016	5.37%	126.57	-6.80	-0.05	2	B	
2403	NJ	Hudson Generating Station	2	SCR	2010					Retire 6/1/2017 - PJM								N/A
10043	NJ	Logan Generating Plant	1001	SCR	1999	182.91	0.1122	3,260,603	N/A	0.1009	2015	11.20%	164.50	-18.42	-0.12	2	B	
2408	NJ	Mercer Generating Station	1	SCR	2004					Retire 6/1/2017 - PJM								N/A

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)		Calculated
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated
2408	NJ	Mercer Generating Station	2	SCR	2004					Retire 6/1/2017 - PJM							N/A
2535	NY	AES Cayuga, LLC	1	SCR	2001	85.73	0.1968	871,281	14.69%	0.0922	2016	113.44%	40.17	-45.56	-0.63	3	E
2535	NY	AES Cayuga, LLC	2	SCR	2014					N/A - Future Controls							N/A
2527	NY	AES Greenidge	6	SCR	2007					Fuel Switch to Nat Gas 1/20/2017 - EPA SMS							N/A
6082	NY	AES Somerset (Kintigh)	1	SCR	1999	85.94	0.1705	1,007,915	4.23%	0.1361	2005	25.30%	68.59	-17.36	-1.43	2	C-
2526	NY	AES Westover (Goudey)	13	SCR	2008					Retire 2011 - AES							N/A
2554	NY	Dunkirk	2	SNCR	2014					Did Not Operate 2017 OS							N/A
2549	NY	Huntley Power	67	SNCR	2009					Did Not Operate 2017 OS							N/A
2549	NY	Huntley Power	68	SNCR	2009					Did Not Operate 2017 OS							N/A
50202	NY	Niagara Generation, LLC	1	SNCR	2000					Burns Wood - CAMD 2016							N/A
2836	OH	Avon Lake Power Plant	12	SNCR	2004	451.41	0.3206	2,816,202	13.03%	0.2842	2013	12.80%	400.18	-51.22	-1.64	2	C-
2828	OH	Cardinal	1	SCR	2003	475.00	0.0696	13,649,425	65.13%	0.0281	2009	147.69%	191.77	-283.23	-2.46	3	A+
2828	OH	Cardinal	2	SCR	2003	494.99	0.0598	16,566,467	78.20%	0.0426	2009	40.28%	352.87	-142.12	-1.03	2	A+
2828	OH	Cardinal	3	SCR	2003	529.25	0.0688	15,381,182	63.93%	0.0226	2007	204.50%	173.81	-355.44	-2.83	3	A+
2840	OH	Conesville	4	SCR	2009	446.73	0.0819	10,907,157	33.84%	0.0546	2010	50.03%	297.77	-148.96	-1.65	2	A
2837	OH	Eastlake	3	SNCR	2007					Retire 4/10/2015 - PJM							N/A
2837	OH	Eastlake	5	SNCR	2007					Retire 9/1/2012 - PJM							N/A
8102	OH	Gen J M Gavin	1	SCR	2001	1,806.17	0.1048	34,470,988	74.96%	0.0686	2007	52.76%	1,182.35	-623.82	-4.51	2	B
8102	OH	Gen J M Gavin	2	SCR	2001	1,452.39	0.1053	27,576,994	72.14%	0.0553	2005	90.48%	762.50	-689.89	-5.23	2	B
2850	OH	J M Stuart	1	SCR	2003					Did Not Operate 2017 OS							N/A
2850	OH	J M Stuart	2	SCR	2003	578.10	0.0926	12,479,987	56.45%	0.0950	2016	-2.48%	578.10	0.00	0.00	1	A
2850	OH	J M Stuart	3	SCR	2003	493.52	0.0989	9,979,736	46.97%	0.0976	2016	1.34%	487.01	-6.50	-0.07	2	A
2850	OH	J M Stuart	4	SCR	2003	588.07	0.0981	11,985,428	55.50%	0.0984	2016	-0.27%	588.07	0.00	0.00	1	A
6031	OH	Killen Station	2	SCR	2003	2,560.91	0.2644	19,374,168	77.70%	0.0885	2005	198.72%	857.31	-1,703.61	-12.55	3	F
2876	OH	Kyger Creek	1	SCR	2003	173.71	0.0604	5,749,706	72.77%	0.0788	2005	-23.32%	173.71	0.00	0.00	1	A+
2876	OH	Kyger Creek	2	SCR	2003	156.05	0.0596	5,239,657	66.17%	0.0792	2005	-24.79%	156.05	0.00	0.00	1	A+
2876	OH	Kyger Creek	3	SCR	2003	171.43	0.0634	5,403,639	69.40%	0.0787	2005	-19.38%	171.43	0.00	0.00	1	A+
2876	OH	Kyger Creek	4	SCR	2003	174.87	0.0641	5,458,624	70.04%	0.0786	2005	-18.49%	174.87	0.00	0.00	1	A+
2876	OH	Kyger Creek	5	SCR	2003	166.78	0.0642	5,193,417	66.54%	0.0785	2005	-18.18%	166.78	0.00	0.00	1	A+
2832	OH	Miami Fort Generating Station	6	SNCR	1998					Retire 6/1/2015 - PJM							N/A
2832	OH	Miami Fort Generating Station	7	SCR	2003	753.31	0.1142	13,190,753	68.03%	0.0536	2007	113.09%	353.51	-399.80	-3.26	3	C
2832	OH	Miami Fort Generating Station	8	SCR	2002	951.95	0.1584	12,020,331	69.31%	0.0540	2007	193.31%	324.55	-627.40	-5.01	3	E
2872	OH	Muskingum River	5	SCR	2005					Retire 6/1/2015 - PJM							N/A
2861	OH	Niles	1	SNCR	2005					Retire 10/1/2012 - PJM							N/A
2861	OH	Niles	2	SNCR	2005					Retire 6/1/2012 - PJM							N/A
2864	OH	R E Burger	7	SNCR	2008					Retire 9/1/2011 - PJM							N/A
2864	OH	R E Burger	8	SNCR	2008					Retire 9/1/2011 - PJM							N/A
2866	OH	W H Sammis	5	SNCR	2006	414.14	0.1373	6,034,677	48.07%	0.1058	2012	29.73%	319.23	-94.90	-0.77	2	A
2866	OH	W H Sammis	6	SCR	2010	623.45	0.1021	12,207,537	49.16%	0.0959	2011	6.51%	585.35	-38.10	-0.38	2	B
2866	OH	W H Sammis	7	SCR	2010	689.92	0.1064	12,968,366	52.88%	0.1019	2014	4.42%	660.74	-29.18	-0.27	2	B
6019	OH	W H Zimmer Generating Station	1	SCR	2004	2,971.90	0.1928	30,827,253	67.57%	0.0562	2006	243.08%	866.25	-2,105.65	-16.02	3	E
10676	PA	AES Beaver Valley LLC	032	SNCR	2003					Retire 9/1/2015 - PJM							N/A
10676	PA	AES Beaver Valley LLC	033	SNCR	2003					Retire 9/1/2015 - PJM							N/A
10676	PA	AES Beaver Valley LLC	034	SNCR	2003					Retire 9/1/2015 - PJM							N/A
10676	PA	AES Beaver Valley LLC	035	SNCR	2003					Retire 9/1/2015 - PJM							N/A
6094	PA	Bruce Mansfield	1	SCR	2003	439.83	0.0650	13,541,413	44.60%	0.0820	2008	-20.78%	439.83	0.00	0.00	1	A+
6094	PA	Bruce Mansfield	2	SCR	2003	491.43	0.0775	12,677,401	40.74%	0.0801	2007	-3.21%	491.43	0.00	0.00	1	A
6094	PA	Bruce Mansfield	3	SCR	2004	450.69	0.0826	10,918,224	34.67%	0.0744	2005	10.96%	406.16	-44.53	-0.50	2	A
10641	PA	Cambria Cogen	1	SNCR	1999	130.32	0.1530	1,703,180	N/A	0.0945	2005	61.94%	80.48	-49.84	-0.35	2	B
10641	PA	Cambria Cogen	2	SNCR	1999					Did Not Report 2017 OS							N/A
8226	PA	Cheswick	1	SCR	2003	532.75	0.1559	6,834,411	27.65%	0.0901	2006	73.03%	307.89	-224.86	-3.26	2	C-
3118	PA	Conemaugh	1	SCR	2014	805.40	0.0720	22,358,935	66.94%	0.1966	2016	-63.36%	805.40	0.00	0.00	1	A
3118	PA	Conemaugh	2	SCR	2014	931.31	0.0744	25,041,068	76.91%	0.1099	2016	-32.32%	931.31	0.00	0.00	1	A

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)		
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated
3159	PA	Cromby	1	SNCR	1999												N/A
3161	PA	Eddystone Generating Station	1	SNCR	1999												N/A
3161	PA	Eddystone Generating Station	2	SNCR	1999												N/A
3098	PA	Elrama	1	SNCR	2001												N/A
3098	PA	Elrama	2	SNCR	2001												N/A
3098	PA	Elrama	3	SNCR	2001												N/A
3098	PA	Elrama	4	SNCR	2001												N/A
3179	PA	Hatsfield Ferry Power Station	3	SNCR	2004												N/A
3122	PA	Homer City	1	SCR	2001	963.76	0.1755	10,981,718	46.49%	0.0667	2006	163.15%	366.24	-597.52	-5.85	3	E
3122	PA	Homer City	2	SCR	2000	443.77	0.1791	4,954,466	20.00%	0.0826	2006	116.87%	204.62	-239.15	-4.80	3	E
3122	PA	Homer City	3	SCR	2001	332.76	0.1148	5,799,026	23.81%	0.0872	2005	31.61%	252.84	-79.92	-1.38	2	B
3136	PA	Keystone	1	SCR	2003	1,057.23	0.0851	24,847,854	75.78%	0.0431	2006	97.44%	535.47	-521.75	-4.01	2	A
3136	PA	Keystone	2	SCR	2003	947.10	0.0695	27,247,115	84.96%	0.0433	2008	60.55%	589.90	-357.20	-2.42	2	A+
3149	PA	Montour	1	SCR	2001	462.78	0.1443	6,412,016	22.83%	0.0581	2006	148.45%	186.27	-276.51	-4.90	3	C
3149	PA	Montour	2	SCR	2000	497.91	0.1525	6,528,253	24.10%	0.0578	2006	163.91%	188.67	-309.24	-5.26	3	E
3138	PA	New Castle	3	SNCR	2005												N/A
3138	PA	New Castle	4	SNCR	2005												N/A
3138	PA	New Castle	5	SNCR	2005												N/A
50776	PA	Panther Creek Energy Facility	1	SNCR	unknown	14.02	0.1055	265,736	N/A	0.1051	2005	0.41%	13.96	-0.06	0.00	2	A
50776	PA	Panther Creek Energy Facility	2	SNCR	unknown	14.54	0.1186	245,350	N/A	0.1056	2015	12.27%	12.95	-1.59	-0.07	2	A
54144	PA	Piney Creek Power Plant	031	SNCR	2003												N/A
50974	PA	Scrubgrass Generating Plant	1	SNCR	1998												N/A
50974	PA	Scrubgrass Generating Plant	2	SNCR	1998	95.69	0.1473	1,298,942	N/A	0.0793	2005	85.79%	51.50	-44.18	-0.34	2	A
3130	PA	Seward	1	SNCR	2004	239.32	0.0945	5,065,486	N/A	0.0747	2014	26.49%	189.20	-50.12	-0.47	2	A
3130	PA	Seward	2	SNCR	2004	300.85	0.0935	6,436,879	N/A	0.0745	2012	25.47%	239.77	-61.08	-0.49	2	A
3131	PA	Shawville	1	SNCR	1999												N/A
3131	PA	Shawville	2	SNCR	1999												N/A
3131	PA	Shawville	3	SNCR	1999												N/A
3131	PA	Shawville	4	SNCR	1999												N/A
7210	SC	Cope Station	COP1	SCR	2008	567.41	0.1238	9,163,634	74.59%	0.0799	2009	54.99%	366.09	-201.32	-1.53	2	B
130	SC	Cross	1	SCR	2003	457.78	0.0726	12,606,233	58.72%	0.0664	2014	9.38%	418.53	-39.25	-0.31	2	A
130	SC	Cross	2	SCR	2003	0.00	0.0127	473	0.00%	0.0702	2012	-81.92%	0.00	0.00	0.00	1	A+
130	SC	Cross	3	SCR	2006	591.45	0.0669	17,694,265	82.39%	0.0590	2012	13.31%	521.98	-69.47	-0.47	2	A+
130	SC	Cross	4	SCR	2008	393.90	0.0681	11,571,054	45.97%	0.0591	2012	15.20%	341.92	-51.97	-0.54	2	A+
3297	SC	Wateree	WAT1	SCR	2003	463.28	0.1103	8,399,096	75.33%	0.0601	2007	83.56%	252.39	-210.89	-1.44	2	B
3297	SC	Wateree	WAT2	SCR	2004	433.57	0.1084	7,999,892	71.91%	0.0541	2006	100.36%	216.40	-217.18	-1.49	3	C
3298	SC	Williams	WIL1	SCR	2004	1,043.87	0.1570	13,300,417	68.53%	0.0601	2005	161.18%	399.68	-644.19	-5.31	3	E
6249	SC	Winyah	1	SCR	2004	132.66	0.0764	3,473,848	30.05%	0.0623	2005	22.59%	108.21	-24.45	-0.31	2	A
6249	SC	Winyah	2	SCR	2004	48.00	0.0896	1,070,941	9.07%	0.0679	2005	32.03%	36.36	-11.64	-0.46	2	A
6249	SC	Winyah	3	SCR	2005	47.53	0.0905	1,049,947	8.90%	0.0812	2015	11.49%	42.63	-4.90	-0.19	2	A
6249	SC	Winyah	4	SCR	2005	97.49	0.0894	2,180,195	18.87%	0.0869	2012	2.92%	94.73	-2.76	-0.05	2	A
3393	TN	Allen	1	SCR	2003	213.85	0.0850	5,032,367	43.61%	0.0568	2006	49.63%	142.92	-70.93	-0.66	2	A
3393	TN	Allen	2	SCR	2002	270.13	0.0784	6,892,881	57.11%	0.0711	2006	10.24%	245.04	-25.09	-0.18	2	A
3393	TN	Allen	3	SCR	2002	198.43	0.0883	4,492,925	35.49%	0.0664	2005	33.03%	149.17	-49.26	-0.53	2	A
3396	TN	Bull Run	1	SCR	2004	725.21	0.0843	17,204,305	52.92%	0.0618	2009	36.42%	531.61	-193.60	-1.85	2	A
3399	TN	Cumberland	1	SCR	2003	891.73	0.0583	30,581,703	70.51%	0.0588	2009	-0.82%	891.73	0.00	0.00	1	A+
3399	TN	Cumberland	2	SCR	2004	814.70	0.0613	26,587,757	56.47%	0.0606	2016	1.13%	805.61	-9.09	-0.08	2	A+
3403	TN	Gallatin	1	SCR	2017												N/A
3403	TN	Gallatin	2	SCR	2017												N/A
3403	TN	Gallatin	3	SCR	2017												N/A
3403	TN	Gallatin	4	SCR	2017												N/A
3405	TN	John Sevier	1	SNCR	2007												N/A
3405	TN	John Sevier	2	SNCR	2009												N/A

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From Best Historical Performance	Bin For Best Historical Performance	Letter Grade
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)	Calculated	Calculated
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated
3405	TN	John Sevier	3	SNCR	2008												N/A
3405	TN	John Sevier	4	SNCR	2008												N/A
3406	TN	Johnsonville	1	SNCR	2005	193.77	0.1562	2,481,860	44.08%	0.1429	2016	9.29%	177.31	-16.47	-0.15	2	B
3406	TN	Johnsonville	2	SNCR	unknown	160.98	0.1507	2,135,810	38.62%	0.1389	2016	8.51%	148.35	-12.62	-0.10	2	B
3406	TN	Johnsonville	3	SNCR	unknown	229.73	0.1513	3,036,177	55.25%	0.1391	2016	8.78%	211.19	-18.54	-0.13	2	B
3406	TN	Johnsonville	4	SNCR	2007	223.85	0.1516	2,953,603	54.01%	0.1389	2016	9.12%	205.14	-18.71	-0.13	2	B
3407	TN	Kingston	1	SCR	2004	86.17	0.0591	2,918,236	42.38%	0.0498	2009	18.58%	72.66	-13.50	-0.11	2	A+
3407	TN	Kingston	2	SCR	2004	100.48	0.0613	3,280,193	47.43%	0.0501	2007	22.29%	82.17	-18.31	-0.12	2	A+
3407	TN	Kingston	3	SCR	2003	84.09	0.0586	2,868,435	41.50%	0.0504	2007	16.33%	72.28	-11.81	-0.10	2	A+
3407	TN	Kingston	4	SCR	2003	98.60	0.0623	3,165,914	45.66%	0.0501	2007	24.32%	79.31	-19.29	-0.13	2	A+
3407	TN	Kingston	5	SCR	2005	109.14	0.0583	3,741,179	47.77%	0.0486	2007	20.05%	90.91	-18.23	-0.16	2	A+
3407	TN	Kingston	6	SCR	2005	114.34	0.0585	3,906,182	49.80%	0.0448	2006	30.67%	87.50	-26.84	-0.22	2	A+
3407	TN	Kingston	7	SCR	2004	92.99	0.0572	3,252,763	41.70%	0.0447	2006	27.91%	72.70	-20.29	-0.20	2	A+
3407	TN	Kingston	8	SCR	2004	100.18	0.0573	3,498,314	44.77%	0.0448	2006	27.84%	78.36	-21.82	-0.20	2	A+
3407	TN	Kingston	9	SCR	2005	85.44	0.0584	2,926,744	37.36%	0.0449	2006	30.03%	65.71	-19.73	-0.20	2	A+
10670	TX	AES Deepwater, Inc.	1001	SCR	2007												N/A
3497	TX	Big Brown	1	SNCR	2008	1,226.25	0.1313	18,679,788	86.27%	0.1261	2015	4.12%	1,177.76	-48.49	-0.34	2	A
3497	TX	Big Brown	2	SNCR	2008	1,311.28	0.1419	18,476,518	85.32%	0.1305	2013	8.77%	1,205.59	-105.69	-0.73	2	A
7097	TX	J K Spruce	**2	SCR	2010	469.57	0.0483	19,439,206	75.43%	0.0392	2011	23.24%	381.01	-88.56	-0.61	2	A+
6147	TX	Monticello	1	SNCR	2009	1,229.02	0.1496	16,433,346	69.23%	0.1269	2011	17.87%	1,042.70	-186.32	-1.24	2	A
6147	TX	Monticello	2	SNCR	2008	1,327.48	0.1572	16,888,793	72.02%	0.1187	2014	32.44%	1,002.35	-325.13	-2.13	2	B
6147	TX	Monticello	3	SNCR	2008	1,548.97	0.1434	21,596,028	71.76%	0.1360	2016	5.51%	1,468.02	-80.95	-0.57	2	A
6180	TX	Oak Grove 1	1	SCR	1996	1,125.30	0.0723	31,132,503	110.89%	0.0650	2011	11.22%	1,011.81	-113.49	-0.74	2	A
6180	TX	Oak Grove 2	2	SCR	1996	1,067.75	0.0738	28,944,649	106.01%	0.0665	2011	10.95%	962.41	-105.34	-0.70	2	A
6648	TX	Sandow	4	SCR	2010	723.99	0.0679	21,313,892	100.31%	0.0607	2011	11.92%	646.88	-77.11	-0.52	2	A+
52071	TX	Sandow 5	5A	SCR	2009	369.33	0.0702	10,515,809	110.17%	0.0618	2011	13.66%	324.94	-44.39	-0.31	2	A
52071	TX	Sandow 5	5B	SCR	2009	339.17	0.0688	9,866,544	102.14%	0.0626	2011	9.83%	308.82	-30.35	-0.22	2	A+
56611	TX	Sandy Creek	S01	SCR	2012	743.10	0.0506	29,350,222	96.01%	0.0397	2015	27.55%	582.60	-160.49	-1.13	2	A+
7030	TX	Twin Oaks Power, LP	U1	SNCR	2007	261.17	0.0778	6,711,792	97.59%	0.0886	2016	-12.18%	261.17	0.00	0.00	1	A+
7030	TX	Twin Oaks Power, LP	U2	SNCR	2007	251.53	0.0866	5,807,580	91.20%	0.0844	2016	2.64%	245.07	-6.46	-0.04	2	A
3470	TX	W A Parish	WAP5	SCR	2003	520.04	0.0546	19,064,500	83.39%	0.0383	2007	42.44%	365.09	-154.95	-1.05	2	A+
3470	TX	W A Parish	WAP6	SCR	2003	875.55	0.0828	21,147,643	82.70%	0.0394	2007	110.16%	416.61	-458.94	-3.09	3	A
3470	TX	W A Parish	WAP7	SCR	2004	311.93	0.0414	15,062,844	80.38%	0.0360	2007	15.05%	271.13	-40.80	-0.29	2	A+
3470	TX	W A Parish	WAP8	SCR	2003												N/A
10773	VA	Altavista Power Station	1	SNCR	2001												N/A
10773	VA	Altavista Power Station	2	SNCR	2001												N/A
54304	VA	Birchwood Power Facility	001	SCR	2003	89.11	0.0949	1,877,382	24.24%	0.0879	2008	8.00%	82.51	-6.60	-0.10	2	A
3803	VA	Chesapeake Energy Center	1	SNCR	2003												N/A
3803	VA	Chesapeake Energy Center	2	SNCR	2004												N/A
3803	VA	Chesapeake Energy Center	3	SCR	2003												N/A
3803	VA	Chesapeake Energy Center	4	SCR	2003												N/A
3797	VA	Chesterfield Power Station	4	SCR	2003	43.14	0.0545	1,583,140	22.59%	0.0487	2014	11.92%	38.55	-4.59	-0.09	2	A+
3797	VA	Chesterfield Power Station	5	SCR	2002	129.24	0.0464	5,574,950	41.72%	0.0309	2008	50.05%	86.13	-43.11	-0.51	2	A+
3797	VA	Chesterfield Power Station	6	SCR	2004	267.36	0.0510	10,493,959	40.73%	0.0326	2006	56.30%	171.05	-96.31	-1.16	2	A+
3775	VA	Clinch River	1	SNCR	2009												N/A
3775	VA	Clinch River	2	SNCR	2009												N/A
3775	VA	Clinch River	3	SNCR	2009												N/A
7213	VA	Clover Power Station	1	SNCR	2003	1,222.22	0.2694	9,074,580	55.77%	0.2327	2005	15.76%	1,055.83	-166.40	-1.46	2	B
7213	VA	Clover Power Station	2	SNCR	2003	1,319.66	0.2754	9,583,872	62.01%	0.2428	2007	13.42%	1,163.48	-156.17	-1.25	2	B
10771	VA	Hopewell Power Station	1	SNCR	2001												N/A
10771	VA	Hopewell Power Station	2	SNCR	2001												N/A
10774	VA	Southampton Power Station	1	SNCR	2013												N/A
10774	VA	Southampton Power Station	2	SNCR	2013												N/A



2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR							2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade	
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)	Calculated	Calculated	
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	
54081	VA	Spruance Genco, LLC	BLR01A	SNCR	unknown	60.93	0.2904	419,631	N/A	0.2608	2005	11.35%	54.72	-6.21	-0.09	2	B	
54081	VA	Spruance Genco, LLC	BLR01B	SNCR	unknown	57.99	0.2901	399,830	N/A	0.2600	2005	11.56%	51.98	-6.01	-0.09	2	B	
54081	VA	Spruance Genco, LLC	BLR02A	SNCR	unknown	50.83	0.2952	344,435	N/A	0.2548	2005	15.84%	43.88	-6.95	-0.12	2	B	
54081	VA	Spruance Genco, LLC	BLR02B	SNCR	unknown	45.50	0.2942	309,311	N/A	0.2547	2005	15.51%	39.39	-6.11	-0.12	2	B	
54081	VA	Spruance Genco, LLC	BLR03A	SNCR	unknown	82.22	0.2770	593,535	N/A	0.2614	2005	5.98%	77.58	-4.64	-0.05	2	B	
54081	VA	Spruance Genco, LLC	BLR03B	SNCR	unknown	85.66	0.2768	618,932	N/A	0.2616	2005	5.80%	80.96	-4.70	-0.05	2	B	
54081	VA	Spruance Genco, LLC	BLR04A	SNCR	unknown	82.20	0.2991	549,704	N/A	0.2648	2005	12.94%	72.78	-9.42	-0.12	2	B	
54081	VA	Spruance Genco, LLC	BLR04B	SNCR	unknown	57.14	0.2962	385,826	N/A	0.2647	2005	11.90%	51.06	-6.08	-0.11	2	B	
56808	VA	Virginia City Hybrid Energy Center	1	SNCR	2012	224.82	0.0640	7,025,111	N/A	0.0622	2015	2.90%	218.48	-6.34	-0.06	2	A	
56808	VA	Virginia City Hybrid Energy Center	2	SNCR	2012	230.61	0.0609	7,576,812	N/A	0.0559	2016	8.88%	211.79	-18.82	-0.16	2	A	
3809	VA	Yorktown Power Station	1	SNCR	2004	43.80	0.4466	196,150	2.97%	0.2242	2008	99.20%	21.99	-21.81	-2.46	2	C-	
3809	VA	Yorktown Power Station	2	SNCR	2004	69.88	0.4476	312,261	4.52%	0.2204	2008	103.06%	34.41	-35.47	-2.66	3	F	
4140	WI	Alma	B4	SNCR	2009					Retire Fall 2014 - Dairyland Power Co-op								N/A
4140	WI	Alma	B5	SNCR	2009					Retire Fall 2014 - Dairyland Power Co-op								N/A
3982	WI	Bay Front	1	SNCR	2008					Burns Wood - CAMD 2016								N/A
3982	WI	Bay Front	2	SNCR	2009					Burns Wood - CAMD 2016								N/A
8023	WI	Columbia	2	SCR	2019					N/A - Future Controls								N/A
4050	WI	Edgewater (4050)	3	SNCR	2009					Retire 12/31/2015 - EPA SMS								N/A
4050	WI	Edgewater (4050)	4	SNCR	2009	530.69	0.1370	7,749,097	64.68%	0.1262	2015	8.53%	488.97	-41.72	-0.29	2	A	
4050	WI	Edgewater (4050)	5	SNCR	2012	162.22	0.0334	9,710,800	59.98%	0.0361	2014	-7.45%	162.22	0.00	0.00	1	A+	
56068	WI	Elm Road Generating Station	1	SCR	2009	482.41	0.0603	15,998,679	66.72%	0.0490	2010	23.07%	391.97	-90.45	-0.76	2	A+	
56068	WI	Elm Road Generating Station	2	SCR	2010	469.70	0.0611	15,378,630	66.76%	0.0497	2011	22.91%	382.16	-87.54	-0.76	2	A+	
4143	WI	Genoa	1	SNCR	2015	370.81	0.1158	6,401,650	49.81%	0.1124	2016	3.07%	359.77	-11.04	-0.09	2	A	
4271	WI	J P Madgett	B1	SCR	2016					SCR 4/22/2016 - EPA CAMD. Best OS will be 2017. Begin assessing 2018 OS								N/A
4125	WI	Manitowoc	9	SNCR	2002	20.94	0.0386	1,083,593	N/A	0.0368	2015	5.00%	19.94	-1.00	-0.01	2	A	
4054	WI	Nelson Dewey	1	SNCR	2009					Retire 12/31/2015 - EPA SMS								N/A
4054	WI	Nelson Dewey	2	SNCR	2009					Retire 12/31/2015 - EPA SMS								N/A
6170	WI	Pleasant Prairie	1	SCR	2006	448.62	0.0706	12,717,652	50.71%	0.0498	2007	41.67%	316.67	-131.95	-1.31	2	A	
6170	WI	Pleasant Prairie	2	SCR	2006	385.65	0.0672	11,479,563	46.73%	0.0569	2016	18.08%	326.59	-59.06	-0.64	2	A+	
4041	WI	South Oak Creek	5	SCR	2012	194.59	0.0657	5,924,045	57.19%	0.0686	2016	-4.23%	194.59	0.00	0.00	1	A+	
4041	WI	South Oak Creek	6	SCR	2012	227.36	0.0664	6,847,571	65.18%	0.0681	2013	-2.49%	227.36	0.00	0.00	1	A+	
4041	WI	South Oak Creek	7	SCR	2013	275.11	0.0596	9,229,507	82.32%	0.0582	2016	2.43%	268.58	-6.54	-0.04	2	A+	
4041	WI	South Oak Creek	8	SCR	2013	117.52	0.0603	3,897,416	33.05%	0.0606	2016	-0.49%	117.52	0.00	0.00	1	A+	
4078	WI	Weston	4	SCR	2008	366.91	0.0529	13,871,565	75.19%	0.0477	2016	10.90%	330.84	-36.08	-0.25	2	A+	
10151	WV	Grant Town Power Plant	1A	SNCR	2003	299.00	0.3148	1,899,388	N/A	0.0721	2005	336.67%	68.47	-230.53	-1.55	3	E	
10151	WV	Grant Town Power Plant	1B	SNCR	2003	306.78	0.3150	1,947,544	N/A	0.0722	2005	336.34%	70.31	-236.47	-1.58	3	E	
3944	WV	Harrison Power Station	1	SCR	2001	1,038.25	0.1045	19,870,526	88.12%	0.0634	2005	64.83%	629.90	-408.35	-2.92	2	B	
3944	WV	Harrison Power Station	2	SCR	2003	911.66	0.0867	21,039,930	93.28%	0.0662	2005	30.91%	696.42	-215.24	-1.44	2	A	
3944	WV	Harrison Power Station	3	SCR	2003	593.07	0.0721	16,440,316	69.88%	0.0658	2005	9.65%	540.89	-52.18	-0.46	2	A	
3935	WV	John E Amos	1	SCR	2005	710.52	0.0783	18,149,933	65.07%	0.0317	2006	146.98%	287.68	-422.84	-3.17	3	A	
3935	WV	John E Amos	2	SCR	2004	771.97	0.0730	21,150,364	72.56%	0.0312	2006	133.97%	329.95	-442.03	-3.08	3	A	
3935	WV	John E Amos	3	SCR	2002	1,581.82	0.1128	28,058,104	61.13%	0.0614	2012	83.64%	861.38	-720.44	-6.58	2	B	
56671	WV	Longview Power	001	SCR	2012	613.51	0.0563	21,795,539	99.33%	0.0648	2013	-13.12%	613.51	0.00	0.00	1	A+	
3948	WV	Mitchell (WV)	1	SCR	2007	802.65	0.0819	19,605,510	66.24%	0.0547	2009	49.69%	536.21	-266.44	-1.92	2	A	
3948	WV	Mitchell (WV)	2	SCR	2007	871.04	0.0888	19,627,227	67.73%	0.0520	2008	70.69%	510.31	-360.74	-2.68	2	A	
3954	WV	Mount Storm Power Station	1	SCR	2003	450.70	0.0683	13,206,286	64.49%	0.0539	2006	26.63%	355.91	-94.79	-0.78	2	A+	
3954	WV	Mount Storm Power Station	2	SCR	2003	555.54	0.0910	12,204,629	59.05%	0.0485	2006	87.70%	295.96	-259.57	-2.34	2	A	
3954	WV	Mount Storm Power Station	3	SCR	2004	329.46	0.0801	8,231,324	45.10%	0.0768	2006	4.23%	316.08	-13.38	-0.16	2	A	
6264	WV	Mountaineer (1301)	1	SCR	2002	1,772.93	0.0961	36,901,956	82.70%	0.0387	2007	148.29%	714.05	-1,058.88	-8.07	3	A	
3938	WV	Phil Sporn	31	SNCR	2009					Retire 6/1/2015 - PJM								N/A
3938	WV	Phil Sporn	41	SNCR	2009					Retire 6/1/2015 - PJM								N/A
6004	WV	Pleasants Power Station	1	SCR	2003	369.37	0.0835	8,843,864	40.05%	0.0394	2005	112.01%	174.22	-195.14	-2.85	3	A	
6004	WV	Pleasants Power Station	2	SCR	2003	1,201.82	0.1317	18,246,221	86.15%	0.0390	2005	237.78%	355.80	-846.02	-6.23	3	C	

2017 Ozone Season Deviation from Best Demonstrated Rate and Lost NOx Savings

Unit Level Data for Units with SCR and SNCR						2017 OS Data				Historical Emissions Data (2005-2016)		Deviation from Best Historical Performance					Report Card
ORIS ID	State	Facility Name	Unit ID	Post Combustion Control Type	Control Installation Year	2017 OS NOx Mass	2017 OS NOx Rate	2017 OS Heat Input	Capacity Factor	Best Performing OS Emission Rate	Best Performing OS Emission Rate Year	Deviation from Best Historical Performance	NOx Mass if Exceeding Units Met Best Historical Performance	Additional Savings if Exceeding Units Met Historical Best Performance	Daily Lost NOx Benefit From best Historical Performance	Bin For Best Historical Performance	Letter Grade
(ORISPL)					(Year)	(tons)	(lb/mmBtu)	(mmBtu)	(%)	(lb/mmBtu)	(Year)	(%)	(tons)	(tons)	(tons)		
ERTAC	ERTAC	ERTAC	ERTAC	CAMD/ERTAC	CAMD/ERTAC	CAMD	CAMD	CAMD	Calculated	CAMD	CAMD	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated
						161,577.78	0.0950	3,403,277,787	59.46%			28.77%	115,116.35	-46,461.43	-403.70	2	
						2017 OS Data						2017 OS At Best Historical Rates					