

Table 4. Modeling Results: Future Year Visibility Levels

Worst 20%			2018				
			Round 5 without CAIR				Round 5 w/ CAIR
Site	Baseline (2000-2004)	2018 URP	Scen. A	Scen. B	Scen. C	Scen. C-BART	
BOWA1	19.86	17.94	19.09	18.87	18.54	18.02	17.94
VOYA2	19.48	17.75	18.60	18.44	18.17	17.77	17.63
SENE1	24.38	21.64	24.02	23.58	23.03	22.38	22.59
ISLE1	21.59	19.43	21.05	20.86	20.62	20.22	20.09
ISLE9	21.59	19.43	20.83	20.58	20.38	19.84	19.84
HEGL1	26.75	23.13	26.24	25.83	24.87	24.23	24.22
MING1	28.15	24.27	27.51	26.98	25.81	24.93	24.74
CACR1	26.36	22.91	25.32	24.80	23.57	22.97	22.44
UPBU1	26.27	22.82	25.31	24.79	23.50	22.79	22.59
MACA1	31.37	26.64	30.11	29.08	27.06	26.24	26.10
DOSO1	29.05	24.69	27.88	26.96	24.36	23.74	23.00
SHEN1	29.31	25.12	28.38	27.65	25.24	24.69	23.92
JARI1	29.12	24.91	28.06	27.21	25.00	24.48	24.06
BRIG1	29.01	25.05	28.10	28.07	26.57	26.25	25.21
LYBR1	24.45	21.48	24.06	23.86	22.58	22.30	21.14
ACAD1	22.89	20.45	22.88	22.76	22.31	22.16	21.49
Best 20%			2018				
			Round 5 without CAIR				Round 5 w/ CAIR
Site	Baseline (2000-2004)	2018 Max	Scen. A	Scen. B	Scen. C	Scen. C-BART	
BOWA1	6.42	6.42	6.20	6.17	6.16	6.12	6.14
VOYA2	7.09	7.09	6.87	6.83	6.81	6.78	6.75
SENE1	7.14	7.14	7.80	7.78	7.81	7.77	7.71
ISLE1	6.75	6.75	6.77	6.76	6.72	6.67	6.60
ISLE9	6.75	6.75	6.63	6.61	6.58	6.53	6.52
HEGL1	12.84	12.84	12.17	12.20	12.07	11.63	11.66
MING1	14.46	14.46	13.78	13.77	13.70	13.37	13.28
CACR1	11.24	11.24	10.94	10.99	10.97	10.78	10.52
UPBU1	11.71	11.71	11.18	11.23	11.18	10.96	10.73
MACA1	16.51	16.51	16.32	16.21	15.76	15.34	15.25
DOSO1	12.28	12.28	12.02	11.84	11.27	11.03	11.00
SHEN1	10.93	10.93	10.98	10.91	10.25	10.16	9.91
JARI1	14.21	14.21	14.19	13.98	13.42	13.21	13.14
BRIG1	14.33	14.33	14.32	14.46	14.22	14.17	13.92
LYBR1	6.37	6.37	6.39	6.38	6.31	6.28	6.14
ACAD1	8.78	8.78	8.97	8.96	8.90	8.89	8.82

Figure 2. Ozone Modeling Results

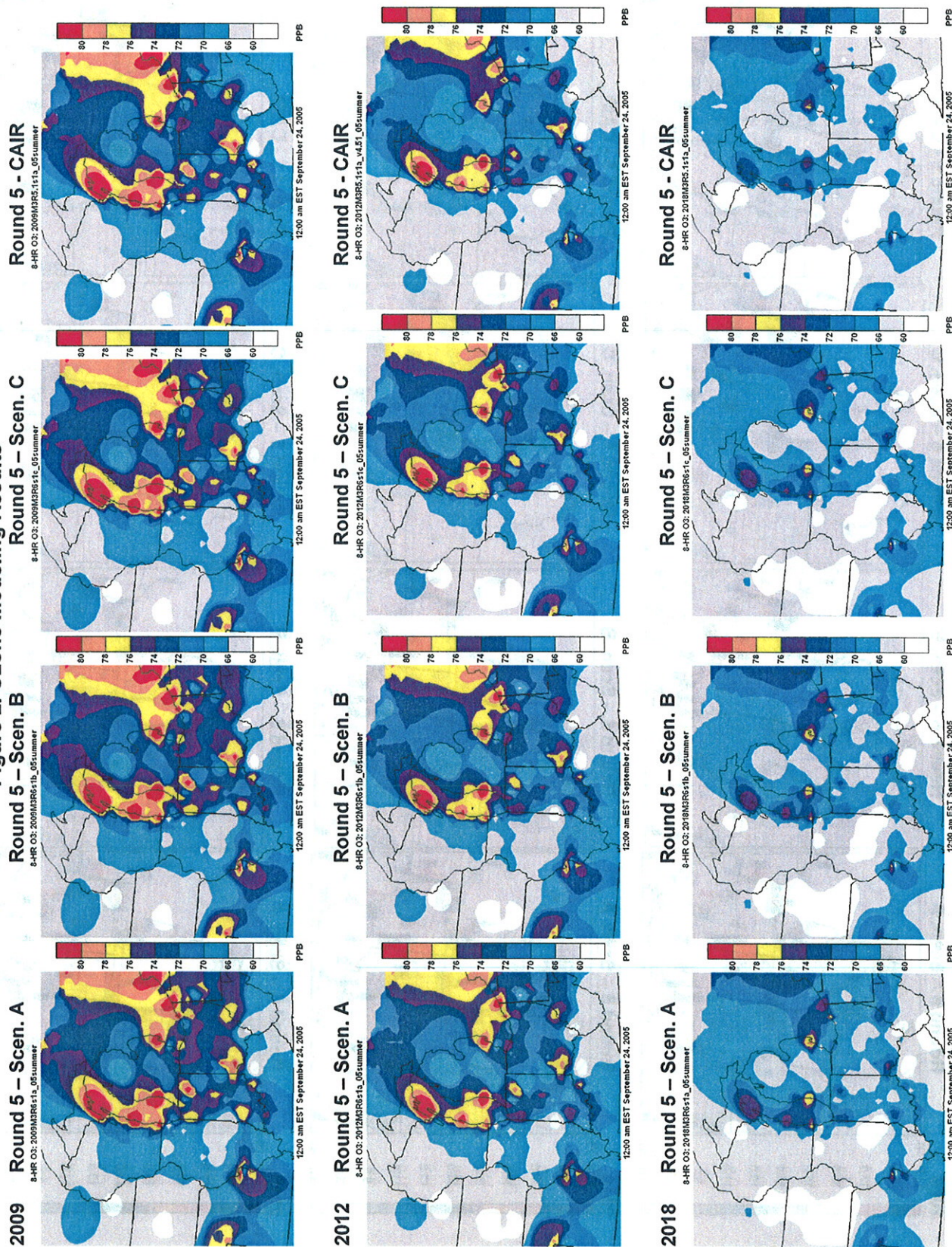


Figure 3. PM2.5 Annual Modeling Results
Round 5 – Scen. C

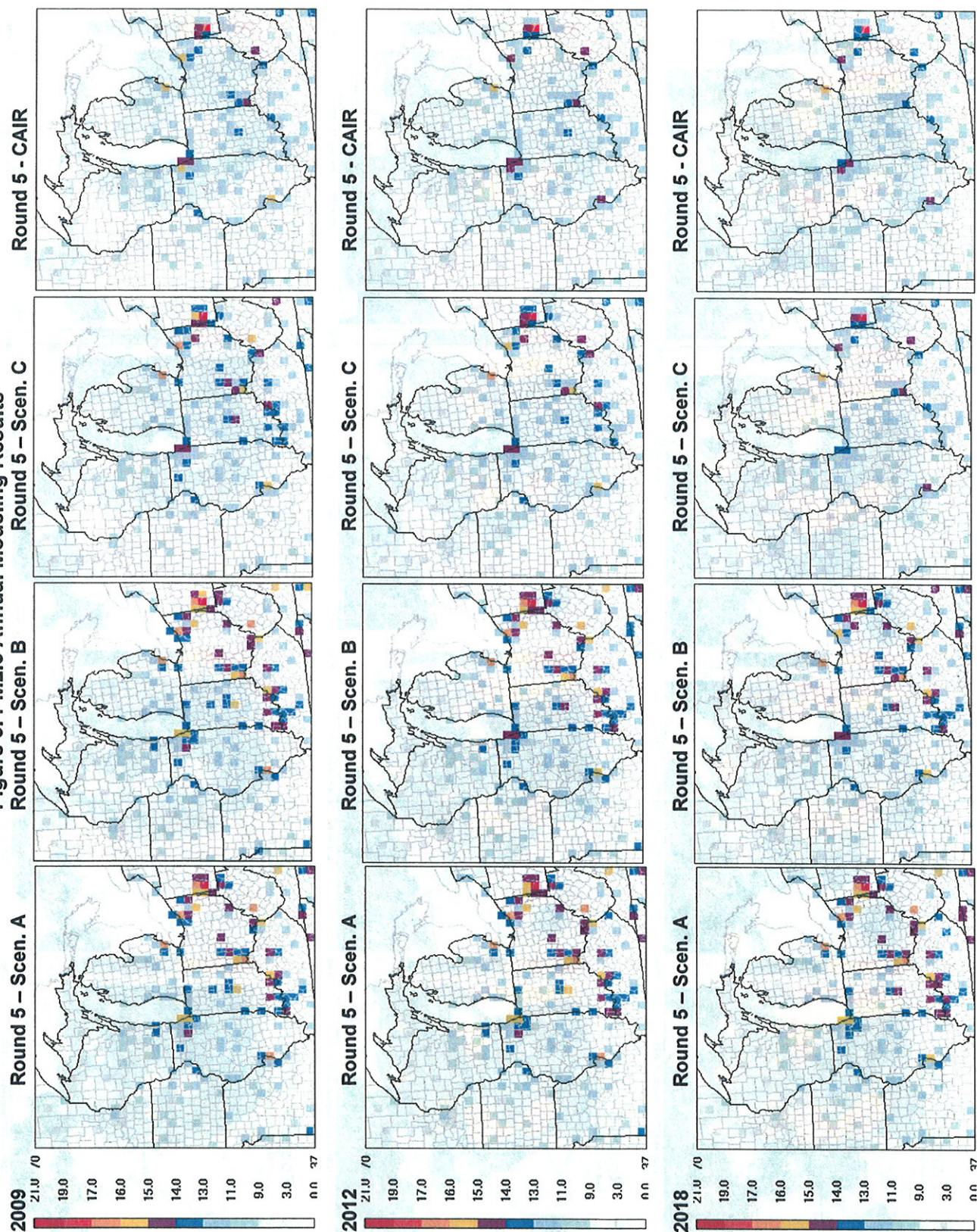
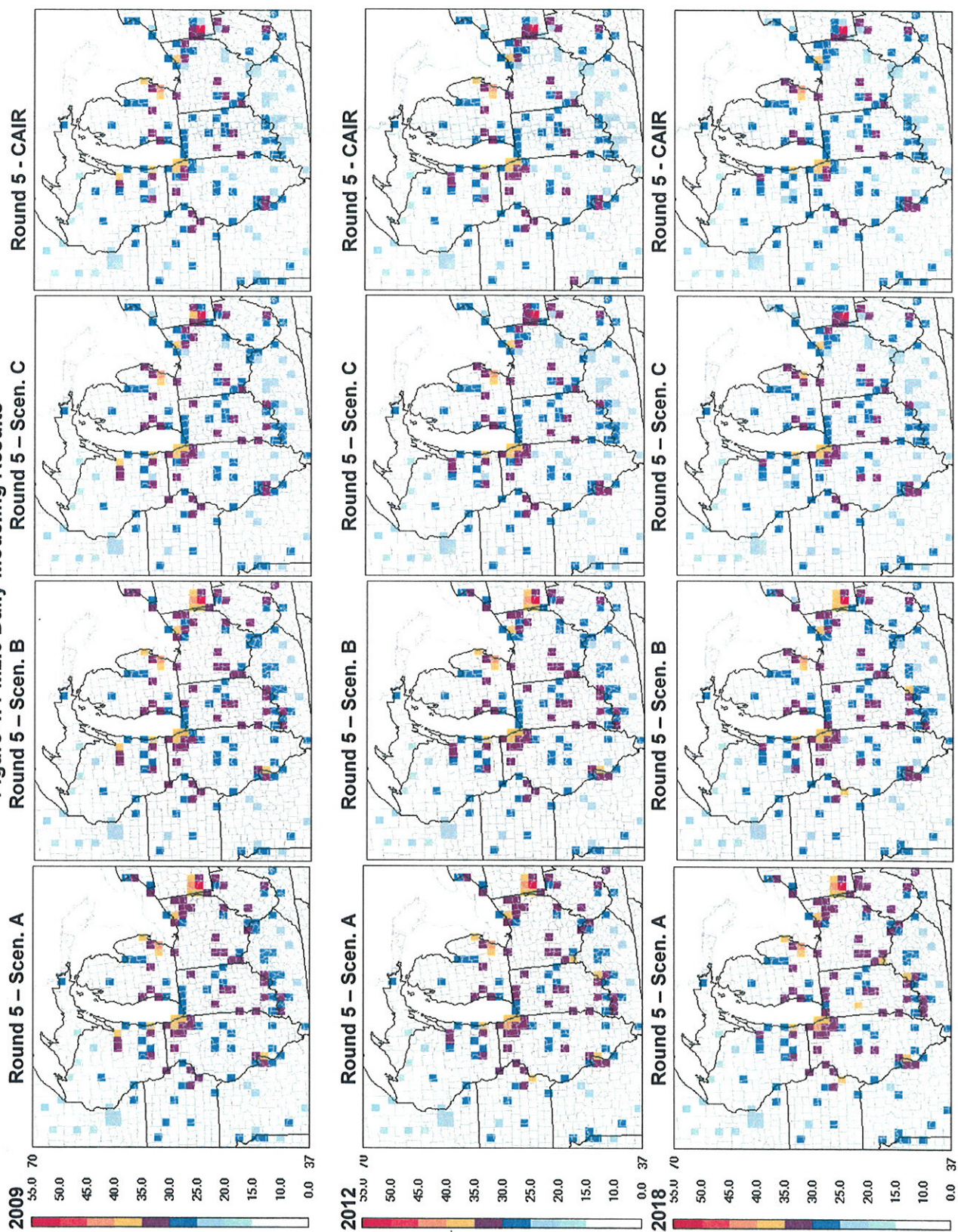


Figure 4. PM2.5 Daily Modeling Results



Appendix I

Scenario B (Legally Enforceable) Controls

NOx - 2009

Point Source Grown and Controlled Emissions by facility for NOx r6slb_2009
Future Year = 2009

Base Year = 2002

STID=17 CYID=57 fcid=057801AAA name=AES DUCK CREEK

STID	CYID	fcid	skid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlrds
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day		
17	57	057801AAA	0001	0001	01	10100202	NOX	0.8147	0.8416	0.8416	0.8416	0.00	0.00	0.8416	0.00	SCR	SCR added by LADCO

STID=17 CYID=143 fcid=143805AAG name=AES ED EDWARDS STATION

STID	CYID	fcid	skid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlrds
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day		
17	143	143805AAG	0001	0001	01	10100202	NOX	3.0515	3.1522	3.1522	3.1522	0.00	0.00	3.1522	0.00	hnb	LNB added by LADCO
17	143	143805AAG	0001	0003	01	10100202	NOX	6.9419	7.1708	7.1708	7.1708	0.00	0.00	7.1708	0.00	hnb	LNB added by LADCO
17	143	143805AAG	0002	0004	01	10100202	NOX	2.1310	2.2013	2.2013	2.2013	0.00	0.00	2.2013	0.00	hnb	LNB added by LADCO

fcid	12.1244	12.5243	12.5243
cvid	12.1244	12.5243	12.5243
stid	12.9392	13.3659	13.3659

STID=39 CYID=1 fcid=0701000007 name="DP&L, J.M. STUART GENERATING STATION"

STID	CYID	fcid	skid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlrds
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day		
39	1	0701000007	R1	B001	B001P1	10100202	NOX	6.9860	6.9756	2.3252	2.3252	0.85	0.95	2.3252	0.85	SCR	SCR added by LADCO
39	1	0701000007	R2	B002	B002P1	10100202	NOX	3.6327	3.6273	1.2091	1.2091	0.85	0.95	1.2091	0.85	SCR	SCR added by LADCO
39	1	0701000007	R3	B003	B003P1	10100202	NOX	5.0133	5.0058	1.6686	1.6686	0.85	0.95	1.6686	0.85	SCR	SCR added by LADCO
39	1	0701000007	R4	B004	B004P1	10100202	NOX	7.8493	7.8376	2.6125	2.6125	0.85	0.95	2.6125	0.85	SCR	SCR added by LADCO

fcid	23.4814	23.4464	7.8155
cvid	23.4814	23.4464	7.8155

STID=39 CYID=167 fcid=0684000000 name=MUSKINGUM RIVER POWER PLANT

STID	CYID	fcid	skid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlrds
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day		
39	167	0684000000	R1	B001	B001P1	10200501	NOX	0.0017	0.0017	0.0001	0.0001	0.00	0.95	0.0001	0.00	SCR	SCR added by LADCO
39	167	0684000000	R2	B002	B002P1	10100201	NOX	5.8167	5.8080	0.2904	0.2904	0.00	0.95	0.2904	0.00	SCR	SCR added by LADCO
39	167	0684000000	R2	B002	B002P2	10100501	NOX	0.0000	0.0000	0.0000	0.0000	0.00	0.95	0.0000	0.00	SCR	SCR added by LADCO
39	167	0684000000	R3	B003	B003P1	10100201	NOX	7.9017	7.8899	0.3945	0.3945	0.00	0.95	0.3945	0.00	SCR	SCR added by LADCO
39	167	0684000000	R3	B003	B003P2	10100501	NOX	0.0000	0.0000	0.0000	0.0000	0.00	0.95	0.0000	0.00	SCR	SCR added by LADCO
39	167	0684000000	R4	B004	B004P1	10100203	NOX	7.8775	7.8657	0.3933	0.3933	0.00	0.95	0.3933	0.00	SCR	SCR added by LADCO
39	167	0684000000	R4	B004	B004P2	10100501	NOX	0.0000	0.0000	0.0000	0.0000	0.00	0.95	0.0000	0.00	SCR	SCR added by LADCO
39	167	0684000000	R6	B006	B006P1	10100202	NOX	3.8586	3.8528	0.1926	0.1926	0.00	0.95	0.1926	0.00	SCR	SCR added by LADCO
39	167	0684000000	R6	B006	B006P2	10100501	NOX	0.0000	0.0000	0.0000	0.0000	0.00	0.95	0.0000	0.00	SCR	SCR added by LADCO

fcid	25.4561	25.4182	1.2709
cvid	25.4561	25.4182	1.2709
stid	48.9375	48.8646	9.0864

STID=55 CYID=79 fcid=2410078000 name=WIS ELECTRIC POWER VALLEY STATION

Base Yr Grown Controlled Base Year Future Year

STID	CYID	feid	stkid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF	ctrltype	ctrlides
55	79	241007800	S11	B21	01	10100202	NOX	2.7972	2.8895	1.6470	0.00	0.43	SCR	SCR added by LADCO
55	79	241007800	S11	B22	01	10100202	NOX	2.9073	3.0032	1.7118	0.00	0.13	SCR	SCR added by LADCO
55	79	241007800	S12	B23	01	10100202	NOX	2.3270	2.4038	1.2740	0.00	0.47	SCR	SCR added by LADCO
55	79	241007800	S12	B24	01	10100202	NOX	2.3427	2.4199	1.2826	0.00	0.47	SCR	Scrubber added by LADCO
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feid						10.3742	10.7164	5.9154						
cyid						10.3742	10.7164	5.9154						

STID=55 CYID=117 feid=460033090 name=WP & L Alliant Energy - Edgewater Gen Station

		Base Yr		Grown		Controlled		Base Year		Future Year			
STID	CYID	feid	stkid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF	ctrltype
55	117	460033090	S11	B23	01	10100203	NOX	1.6197	1.6731	1.0038	0.00	0.40	SCR
55	117	460033090	S11	B24	01	10100203	NOX	4.1072	4.2426	3.4789	0.00	0.18	SCR
55	117	460033090	S12	B25	01	10100221	NOX	5.6804	5.8677	4.9876	0.00	0.15	SCR
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feid						11.4072	11.7834	9.4703					
cyid						11.4072	11.7834	9.4703					
stid						21.7814	22.4997	15.3857					
=====						=====							
						83.6581	84.7302	37.8380					

STID=17 CYID=33 feid=033801AA name=AMEREN ENERGY GENERATING CO

STID	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day							
17	33	033801AAA	0005	0005	01	10100202	NOX	1.642	1.871	0.9357	0.00	0.500	SCR	SCR added by LADCO				
17	33	033801AAA	0006	0006	01	10100202	NOX	2.116	2.413	1.2063	0.00	0.500	SCR	SCR added by LADCO				

fcid	3.758	4.284	2.1420
cvid	3.758	4.284	2.1420

STID=17 CYID=57 fcid=057801AAA name=AES DUCK CREEK

STID	CYID	fcid	stkid	dvid	prid	Base Yr sec	Grown solid	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	Control EF	ctrltype	ctrlides
17	57	057801AAA	0001	0001	01	10100202	NOX	0.815	0.929	0.9288	0.00	0.000	SCR	SCR added by LADCO

STID=17 CYID=79 fcid=079808AA name=AMEREN ENERGY GENERATING CO

STUD	CYID	fcid	stkid	dvid	prid	sec	Grown polid	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	Future EF	Control crtides	Future crtides
17	79	079808AAA	0003	0003	01	10100202	NOX	6.735	7.678	7.6780	0.00	0.000	SCR	SCR added by LADCO
17	79	079808AAA	0012	0013	01	10100501	NOX	5.936	5.378	5.3781	0.00	0.000	SCR	SCR added by LADCO

fcid	12.671	13.056	13.0561
evid	12.671	13.056	13.0561

STID=17 CYID=97 fcid=097190AAC name=MIDWEST GENERATION LLC

STED	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year	
						sec	prid	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF	Control EF
17	97	097190AAC	0016	0031	02	10100401	NOX	0.000	0.000	0.000	0.000	0.00	0.999	SHUTDOWN	SCR added by LA

STYD=17 CYID=137 fcid=137805AAA name=AMEREN ENERGY GENERATING CO

STUD	CYID	fcid	stkid	divid	priid	sec	Grown polid	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	Control EF ctdtype	ctldes
17	137	137805AAA	0003	0003	01	10100202	NOX	5.356	6.106	6.1058	0.00	0.000	LNB added by LADCO

STID=17 CYID=143 fcid=143805AAG name=AES ED EDWARDS STATION

STUD	CYID	fcid	stkid	dvid	pvid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	prid	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF			
17	143	143803AAG	0001	0001	01	10100202	NOX	3.052	3.479	3.4789	0.00	0.000	0.000	0.000	0.000	lnb	LNB added by LADCO
17	143	143803AAG	0001	0003	01	10100202	NOX	6.942	7.914	7.9141	0.00	0.000	0.000	0.000	0.000	lnb	LNB added by LADCO
17	143	143803AAG	0002	0004	01	10100202	NOX	2.131	2.429	2.4294	0.00	0.000	0.000	0.000	0.000	lnb	LNB added by LADCO

fcid	12.124	13.822	13.8224
cvid	12.124	13.822	13.8224

STID=17 CYID=167 feid=167120AAO name=CITY WATER LIGHT & POWER

STID	CYID	feid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Yr		Future Year		Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	sec	polid	Tons/Day	Tons/Day			
17	167	167120AAO	0010	0012	01	10100203	NOX	6.527	7.441	0.0074	0.00	0.999	SHUTDOWN	SHUTDOWN	added by LADCO			
17	167	167120AAO	0010	0013	01	10100203	NOX	2.646	3.017	0.0030	0.00	0.999	SHUTDOWN	SHUTDOWN	added by LADCO			

		feid				9.173	10.458	0.0105										
		cyid				9.173	10.458	0.0105										

STID=17 CYID=179 feid=179801AAA name=MIDWEST GENERATION LLC

STID	CYID	feid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Yr		Future Year		Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	sec	polid	Tons/Day	Tons/Day			
17	179	179801AAA	0018	0029	01	10100203	NOX	22.429	25.570	1.2785	0.00	0.950	SCR	SCR	added by LADCO			
17	179	179801AAA	0018	0031	01	10100203	NOX	38.993	44.454	2.2227	0.00	0.950	SCR	SCR	added by LADCO			

		feid				61.422	70.024	3.5012										
		cyid				61.422	70.024	3.5012										

STID=17 CYID=197 feid=197809AAO name=MIDWEST GENERATION LLC

STID	CYID	feid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Yr		Future Year		Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	sec	polid	Tons/Day	Tons/Day			
17	197	197809AAO	0032	0033	02	10100604	NOX	0.000	0.000	0.0000	0.00	0.800	SCR	SCR	added by LADCO			

STID=17 CYID=197 feid=197810AAK name=MIDWEST GENERATION LLC

STID	CYID	feid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Yr		Future Year		Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	sec	polid	Tons/Day	Tons/Day			
17	197	197810AAK	0011	0016	02	10100222	NOX	5.731	6.534	3.9203	0.00	0.400	SCR	SCR	added by LADCO			
17	197	197810AAK	0011	0016	03	10100501	NOX	0.000	0.000	0.0000	0.00	0.400	SCR	SCR	added by LADCO			
17	197	197810AAK	0013	0010	02	10100223	NOX	8.598	9.802	0.0098	0.00	0.999	SHUTDOWN	SCR	added by LADCO			
17	197	197810AAK	0013	0010	03	10100501	NOX	0.000	0.000	0.0000	0.00	0.999	SHUTDOWN	SCR	added by LADCO			
17	197	197810AAK	0007	0012	02	10100223	NOX	10.974	12.511	0.0125	0.00	0.999	SHUTDOWN	SCR	added by LADCO			
17	197	197810AAK	0007	0012	03	10100501	NOX	0.000	0.000	0.0000	0.00	0.999	SHUTDOWN	SCR	added by LADCO			

		feid				25.303	28.847	3.9426										
		cyid				25.303	28.847	3.9426										
		std				130.622	147.527	43.5096										

STID=27 CYID=61 feid=2706100004 name=Minnesota Power Inc - Boswell Energy Ctr

STID	CYID	feid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Yr		Future Year		Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	sec	polid	Tons/Day	Tons/Day			
27	61	2706100004	SV003	EU003	001	10100226	NOX	13.661	14.142	2.8284	0.00	0.800	SCR	SCR	added by LADCO			
27	61	2706100004	SV003	EU003	002	10100501	NOX	0.000	0.000	0.0000	0.00	0.800	SCR	SCR	added by LADCO			

		feid				13.661	14.142	2.8284										
		cyid				13.661	14.142	2.8284										

STID=27 CYID=109 feid=2710900011 name=Rochester Public Utilities - Silver Lake

STID	CYID	feid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Yr		Future Year		Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	sec	polid	Tons/Day	Tons/Day			

27 109 2710900011 SV003 EU004 001 10100202 NOX 2.079 2.152 1.2911 0.00 0.400 SNCR SCR added by LADCO

 stid 15.739 16.294 4.1195

STID=39 CYID=1 feid=0701000007 name="DP&L, J.M. STUART GENERATING STATION"

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides	
							Grown	Controlled	Base Yr	Future Year				
39	1	0701000007	R1	B001	B001P1	10100202	NOX	6.986	7.296	2.4319	0.85	0.950	SCR	SCR added by LADCO
39	1	0701000007	R2	B002	B002P1	10100202	NOX	3.633	3.794	1.2646	0.85	0.950	SCR	SCR added by LADCO
39	1	0701000007	R3	B003	B003P1	10100202	NOX	5.013	5.235	1.7452	0.85	0.950	SCR	SCR added by LADCO
39	1	0701000007	R4	B004	B004P1	10100202	NOX	7.849	8.197	2.7324	0.85	0.950	SCR	SCR added by LADCO
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feid								23.481	24.522	8.1740				
cyid								23.481	24.522	8.1740				

STID=39 CYID=31 feid=0616000000 name=CONESVILLE POWER PLANT

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides	
							Grown	Controlled	Base Yr	Future Year				
39	31	0616000000	R4	B004	B004P1	10100212	NOX	20.852	21.776	1.0888	0.00	0.950	SCR	SCR added by LADCO

STID=39 CYID=167 feid=0684000000 name=MUSKINGUM RIVER POWER PLANT

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides	
							Grown	Controlled	Base Yr	Future Year				
39	167	0684000000	R1	B001	B001P1	10200501	NOX	0.002	0.002	0.0001	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R2	B002	B002P1	10100201	NOX	5.817	6.074	0.3037	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R3	B002	B002P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R4	B003	B003P1	10100201	NOX	7.902	8.252	0.4126	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R5	B003	B003P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R6	B004	B004P1	10100203	NOX	7.877	8.227	0.4113	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R7	B004	B004P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R8	B006	B006P1	10100202	NOX	3.859	4.030	0.2015	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R9	B006	B006P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO
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feid								25.456	26.584	1.3292				
cyid								25.456	26.584	1.3292				
stid								69.789	72.882	10.5920				

STID=55 CYID=79 feid=241007690 name=WIS ELECTRIC POWER OAK CREEK STATION

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides	
							Grown	Controlled	Base Yr	Future Year				
55	79	241007690	S13	B25	01	10100202	NOX	4.755	5.421	3.0898	0.00	0.430	SCR	SCR added by LADCO
55	79	241007690	S13	B26	01	10100202	NOX	3.277	3.736	2.2045	0.00	0.410	SCR	SCR added by LADCO
55	79	241007690	S14	B27	01	10100212	NOX	3.333	3.800	2.8499	0.00	0.250	SCR	SCR added by LADCO
55	79	241007690	S14	B28	01	10100212	NOX	3.384	3.857	2.9316	0.00	0.240	SCR	SCR added by LADCO
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feid								14.749	16.814	11.0757				

STID=55 CYID=79 feid=241007800 name=WIS ELECTRIC POWER VALLEY STATION

STID	CYID	fcid	stkid	dvid	prid	Base Yr	Grown	Controlled	Base Year	Future Year	Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day			
55	79	241007800	S11	B21	01	10100202	NOX	2.797	3.189	1.8177	0.00	0.430	SCR added by LADCO
55	79	241007800	S11	B22	01	10100202	NOX	2.907	3.314	1.8893	0.00	0.430	SCR added by LADCO
55	79	241007800	S12	B23	01	10100202	NOX	2.327	2.653	1.4061	0.00	0.470	SCR added by LADCO
55	79	241007800	S12	B24	01	10100202	NOX	2.343	2.671	1.4155	0.00	0.470	Scrubber added by LADCO
----						-----							
	fcid					10.374	11.827	6.5285					
	cyid					25.123	28.641	17.6042					

STID=55 CYID=117 fcid=460033090 name=WP & L Alliant Energy - Edgewater Gen Station

STID	CYID	fcid	stkid	dvid	prid	Base Yr	Grown	Controlled	Base Year	Future Year	Control EF	ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day			
55	117	460033090	S11	B23	01	10100203	NOX	1.620	1.846	1.1079	0.00	0.400	SCR added by LADCO
55	117	460033090	S11	B24	01	10100203	NOX	4.107	4.682	3.8395	0.00	0.180	SCR added by LADCO
55	117	460033090	S12	B25	01	10100221	NOX	5.680	6.476	5.5045	0.00	0.150	SCR added by LADCO
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	fcid					11.407	13.005	10.4519					
	cyid					11.407	13.005	10.4519					
	stid					36.530	41.646	28.0562					
						=====							
						252.681	278.349	86.2773					

NOx 2018

Point Source Grown and Controlled Emissions by facility for NOX r6slb_2018
Future Year = 2018

Base Year = 2002

STID=17 CYID=31 fcid=031600AIN name=MIDWEST GENERATION LLC

STID	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	EF	EF	Tons/Day	Tons/Day		
17	31	031600AIN	0010	0013	01	10100226	NOX	2.283	2.592	1.5550	0.00	0.400	SCR	SCR added by LADCO			
17	31	031600AIN	0010	0013	02	10100601	NOX	0.000	0.000	0.0000	0.00	0.400	SCR	SCR added by LADCO			
17	31	031600AIN	0012	0016	01	10100226	NOX	3.991	4.531	2.7184	0.00	0.400	SCR	SCR added by LADCO			
17	31	031600AIN	0012	0016	02	10100601	NOX	0.000	0.000	0.0000	0.00	0.400	SCR	SCR added by LADCO			
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fcid						6.274	7.122	4.2734									
cyid						6.274	7.122	4.2734									

STID=17 CYID=33 fcid=033801AAA name=AMEREN ENERGY GENERATING CO

STID	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	EF	EF	Tons/Day	Tons/Day		
17	33	033801AAA	0005	0005	01	10100202	NOX	1.642	1.863	0.9317	0.00	0.500	SCR	SCR added by LADCO			
17	33	033801AAA	0006	0006	01	10100202	NOX	2.116	2.402	1.2012	0.00	0.500	SCR	SCR added by LADCO			
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fcid						3.758	4.266	2.1329									
cyid						3.758	4.266	2.1329									

STID=17 CYID=57 fcid=057801AAA name=AES DUCK CREEK

STID	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	EF	EF	Tons/Day	Tons/Day		
17	57	057801AAA	0001	0001	01	10100202	NOX	0.815	0.925	0.9249	0.00	0.000	SCR	SCR added by LADCO			

STID=17 CYID=79 fcid=079808AAA name=AMEREN ENERGY GENERATING CO

STID	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	EF	EF	Tons/Day	Tons/Day		
17	79	079808AAA	0003	0003	01	10100202	NOX	6.735	7.645	7.6453	0.00	0.000	SCR	SCR added by LADCO			
17	79	079808AAA	0012	0013	01	10100501	NOX	5.936	3.984	3.9838	0.00	0.000	SCR	SCR added by LADCO			
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fcid						12.671	11.629	11.6291									
cyid						12.671	11.629	11.6291									

STID=17 CYID=97 fcid=097190AAC name=MIDWEST GENERATION LLC

STID	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	EF	EF	Tons/Day	Tons/Day		
17	97	097190AAC	0016	0031	02	10100401	NOX	0.000	0.000	0.0000	0.00	0.999	SHUTDOWN	SCR added by LADCO			

STID=17 CYID=137 fcid=137805AAA name=AMEREN ENERGY GENERATING CO

STID	CYID	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	EF	EF	Tons/Day	Tons/Day		
17	137	137805AAA	0003	0003	01	10100202	NOX	5.356	6.080	6.0798	0.00	0.000	LNB	LNB added by LADCO			

STID=17 CYID=143 fcid=143805AAG name=AES ED EDWARDS STATION

STID	CYID	fcid	stkid	dvid	pvid	Base Yr sec	Grown polid	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
17	143	143805AAG	0001	0001	01	10100202	NOX	3.052	3.464	3.4641	0.00	lnb	LNB added by LADCO
17	143	143805AAG	0001	0003	01	10100202	NOX	6.942	7.880	7.8804	0.00	lnb	LNB added by LADCO
17	143	143805AAG	0002	0004	01	10100202	NOX	2.131	2.419	2.4191	0.00	lnb	LNB added by LADCO
<hr/>													
						12.124	13.764	13.7636					
						12.124	13.764	13.7636					

STID==17 CYID==167 feid==167120AAO name==CITY WATER LIGHT & POWER

STID	CYID	fcid	stkid	avid	prid	Base Yr		Base Year		Control EF	ctrltype	ctrlres		
						sec	polid	Grown	Controlled				Tons/Day	Tons/Day
17	167	167120AAO	0010	0012	01	10100203	NOX	6.527	7.410	0.0074	0.00	0.999	SHUTDOWN	SHUTDOWN added by LADCO
17	167	167120AAO	0010	0013	01	10100203	NOX	2.646	3.004	0.0030	0.00	0.999	SHUTDOWN	SHUTDOWN added by LADCO
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fcid						9.173	10.414	0.0104						
avid						9.173	10.414	0.0104						

STID=17 CYID=179 feid=179801AAA name=MIDWEST GENERATION LLC

STID	CYID	fcid	skid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Control EF	ctdtype	ctrids
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Future				
17	179	179801AAA	0018	0029	01	10100203	NOX	22.429	25.462	1.2731	0.00	0.950	SCR	SCR added by LADCO		
17	179	179801AAA	0018	0031	01	10100203	NOX	38.993	44.265	2.2132	0.00	0.950	SCR	SCR added by LADCO		

fcid						61.422	69.726	3.4863								
vaid						61.422	69.726	3.4863								

STID=17 CYID=197 fcid=197809AAO name=MIDWEST GENERATION LLC

STID	CYTD	fcid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype	ctrlides	SCR added by LADCCO
						sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF					
17	197	197809AAO	0032	0033	02	10100604	NOX	0.000	0.000	0.000	0.000	0.00	0.800	SCR				

STID=17 CYID=197 fcid=197810AAK name=MIDWEST GENERATION LLC

	STUD	CYID	feid	stkid	dvid	prid	Base Yr		Grown		Controlled		Base Year		Future Year	
							sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF	ctrltype	ctrlres
17	197	197810AAK	0011	0016	02	10100222	NOX	5.731	6.506	3.9036	0.00	0.400	SCR	SCR added by LADCO		
17	197	197810AAK	0011	0016	03	10100501	NOX	0.000	0.000	0.0000	0.00	0.400	SCR	SCR added by LADCO		
17	197	197810AAK	0013	0010	02	10100223	NOX	8.598	9.760	0.0098	0.00	0.999	SHUTDOWN	SCR added by LADCO		
17	197	197810AAK	0013	0010	03	10100501	NOX	0.000	0.000	0.0000	0.00	0.999	SHUTDOWN	SCR added by LADCO		
17	197	197810AAK	0007	0012	02	10100223	NOX	10.974	12.458	0.0125	0.00	0.999	SHUTDOWN	SCR added by LADCO		
17	197	197810AAK	0007	0012	03	10100501	NOX	0.000	0.000	0.0000	0.00	0.999	SHUTDOWN	SCR added by LADCO		

feid							25.303	28.724	3.9258							
cyid							25.303	28.724	3.9258							
stud							136.896	152.649	46.2263							

STID=18 CYID=147 feid=00020 name=INDIANA MICHIGAN POWER-ROCKPORT

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
						sec	pid		Tons/Day	Tons/Day	Tons/Day	Tons/Day					
18	147	00020	1	001	01	10100222	NOX	23.226	25.291	1.2646	0.00	0.950	SCR	SCR added by LADCO			
18	147	00020	1	001	02	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO			
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feid						23.226	25.291	1.2646									
cyid						23.226	25.291	1.2646									
stid						23.226	25.291	1.2646									

STID=27 CYID=61 feid=2706100004 name=Minnesota Power Inc - Boswell Energy Ctr

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
						sec	pid		Tons/Day	Tons/Day	Tons/Day	Tons/Day					
27	61	2706100004	SV003	EU003	001	10100226	NOX	13.661	15.733	3.1466	0.00	0.800	SCR	SCR added by LADCO			
27	61	2706100004	SV003	EU003	002	10100501	NOX	0.000	0.000	0.0000	0.00	0.800	SCR	SCR added by LADCO			
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feid						13.661	15.733	3.1466									
cyid						13.661	15.733	3.1466									

STID=27 CYID=109 feid=2710900001 name=Rochester Public Utilities - Silver Lake

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
						sec	pid		Tons/Day	Tons/Day	Tons/Day	Tons/Day					
27	109	2710900001	SV003	EU004	001	10100202	NOX	2.079	2.394	1.4363	0.00	0.400	SNCR	SCR added by LADCO			
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stid						15.739	18.127	4.5830									

STID=39 CYID=1 feid=0701000007 name="DP&L, J.M. STUART GENERATING STATION"

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
						sec	pid		Tons/Day	Tons/Day	Tons/Day	Tons/Day					
39	1	0701000007	R1	B001	B001P1	10100202	NOX	6.986	7.607	2.5358	0.85	0.950	SCR	SCR added by LADCO			
39	1	0701000007	R2	B002	B002P1	10100202	NOX	3.633	3.956	1.3186	0.85	0.950	SCR	SCR added by LADCO			
39	1	0701000007	R3	B003	B003P1	10100202	NOX	5.013	5.459	1.8197	0.85	0.950	SCR	SCR added by LADCO			
39	1	0701000007	R4	B004	B004P1	10100202	NOX	7.849	8.547	2.8491	0.85	0.950	SCR	SCR added by LADCO			
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feid						23.481	25.570	8.5232									
cyid						23.481	25.570	8.5232									

STID=39 CYID=31 feid=0616000000 name=CONESVILLE POWER PLANT

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
						sec	pid		Tons/Day	Tons/Day	Tons/Day	Tons/Day					
39	31	0616000000	R4	B004	B004P1	10100212	NOX	20.852	22.706	1.1353	0.00	0.950	SCR	SCR added by LADCO			

STID=39 CYID=167 feid=0684000000 name=MUSKINGUM RIVER POWER PLANT

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
						sec	pid		Tons/Day	Tons/Day	Tons/Day	Tons/Day					
39	167	0684000000	R1	B001	B001P1	10200501	NOX	0.002	0.002	0.0001	0.00	0.950	SCR	SCR added by LADCO			

39	167	0684000000	R2	B002	B002P1	10100201	NOX	5.817	6.334	0.3167	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R2	B002	B002P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R3	B003	B003P1	10100201	NOX	7.902	8.604	0.4302	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R3	B003	B003P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R4	B004	B004P1	10100203	NOX	7.877	8.578	0.4289	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R4	B004	B004P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R6	B006	B006P1	10100202	NOX	3.859	4.202	0.2101	0.00	0.950	SCR	SCR added by LADCO
39	167	0684000000	R6	B006	B006P2	10100501	NOX	0.000	0.000	0.0000	0.00	0.950	SCR	SCR added by LADCO

		feid				25.456	27.720	1.3860						
		cyid				25.456	27.720	1.3860						
		std				69.789	75.996	11.0445						

STID=54 CYID=39 feid=0006 name=APPALACHIAN POWER - KANAWHA RIVER PLANT

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Grown		Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
							Base Yr	sec	prid	skid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype			
54	39	0006	012	001	99	10100202	NOX	4.829	5.258	2.6291	0.00	0.500	SCR	Scrubber added by LADCO					
54	39	0006	012	002	99	10100202	NOX	4.921	5.359	2.6794	0.00	0.500	SCR	Scrubber added by LADCO					

		feid				9.750	10.617	5.3085											
		cyid				9.750	10.617	5.3085											
		std				9.750	10.617	5.3085											

STID=55 CYID=79 feid=241007690 name=WIS ELECTRIC POWER OAK CREEK STATION

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Grown		Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
							Base Yr	sec	prid	skid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype			
55	79	241007690	S13	B25	01	10100202	NOX	4.755	5.398	3.0766	0.00	0.430	SCR	SCR added by LADCO					
55	79	241007690	S13	B26	01	10100202	NOX	3.277	3.720	2.1951	0.00	0.410	SCR	SCR added by LADCO					
55	79	241007690	S14	B27	01	10100212	NOX	3.333	3.784	2.8378	0.00	0.250	SCR	SCR added by LADCO					
55	79	241007690	S14	B28	01	10100212	NOX	3.384	3.841	2.9191	0.00	0.240	SCR	SCR added by LADCO					

		feid				14.749	16.743	11.0285											

STID=55 CYID=79 feid=241007800 name=WIS ELECTRIC POWER VALLEY STATION

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Grown		Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
							Base Yr	sec	prid	skid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype			
55	79	241007800	S11	B21	01	10100202	NOX	2.797	3.175	1.4289	0.00	0.550	SCR	SCR added by LADCO					
55	79	241007800	S11	B22	01	10100202	NOX	2.907	3.300	1.4852	0.00	0.550	SCR	SCR added by LADCO					
55	79	241007800	S12	B23	01	10100202	NOX	2.327	2.642	1.1887	0.00	0.550	SCR	SCR added by LADCO					
55	79	241007800	S12	B24	01	10100202	NOX	2.343	2.659	1.1967	0.00	0.550	SCR	SCR added by LADCO					

		feid				10.374	11.777	5.2995											
		cyid				25.123	28.519	16.3281											

STID=55 CYID=117 feid=460033090 name=WP & L Alliant Energy - Edgewater Gen Station

STID	CYID	feid	skid	dvid	prid	sec	Base Yr		Grown		Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
							Base Yr	sec	prid	skid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype			
55	117	460033090	S11	B23	01	10100203	NOX	1.620	1.839	1.1032	0.00	0.400	SCR	SCR added by LADCO					

55	117	460033090	S11	B24	01	10100203	NOX	4.107	4.662	3.8232	0.00	0.180	SCR	SCR added by LADCO
55	117	460033090	S12	B25	01	10100221	NOX	5.680	6.448	5.4811	0.00	0.150	SCR	SCR added by LADCO
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	fcid					11.407	12.949	10.4074						
	cyid					11.407	12.949	10.4074						
	stid					36.530	41.469	26.7355						
						=====	=====	=====	=====	=====				
						291.931	324.149	95.1624						

SO2 - 2009

Point Source Grown and Controlled Emissions by facility for SO2 r6slb_2009

Base Year = 2002

Future Year = 2009

STID=19 CYID=115 feid=58-07-001 name=MIDAMERICAN ENERGY CO. - LOUISA STATION

STID	CYID	feid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
19	115	58-07-001	117487	147281	99		10100222	SO2	33.664	34.774	3.4774	0.0	0.90	SCRUBBER Scrubber added by LADCO

STID=21 CYID=161 feid=2116100009 name=EAST KY POWER COOP

STID	CYID	feid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
21	161	2116100009	1	001	99		10100202	SO2	42.166	42.103	4.2103	0.0	0.90	SCRUBBER Scrubber added by LADCO
21	161	2116100009	2	002	99		10100212	SO2	55.385	55.303	5.5303	0.0	0.90	SCRUBBER Scrubber added by LADCO

feid	97.551	97.406	9.7406
cyid	97.551	97.406	9.7406
stid	97.551	97.406	9.7406

STID=27 CYID=141 feid=2714100004 name=NSP - Sherburne Generating Plant

STID	CYID	feid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
27	141	2714100004	SV001	EU001	001		10100222	SO2	16.765	16.987	3.6401	0.3	0.85	SCRUBBER Scrubber added by LADCO
27	141	2714100004	SV001	EU002	001		10100222	SO2	22.549	22.848	4.8959	0.3	0.85	SCRUBBER Scrubber added by LADCO

feid	39.314	39.834	8.5360
cyid	39.314	39.834	8.5360
stid	39.314	39.834	8.5360

STID=54 CYID=51 feid=0005 name=OHIO POWER - MITCHELL PLANT

STID	CYID	feid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
54	51	0005	012	001	99		10100202	SO2	17.775	17.748	1.7748	0.0	0.90	SCRUBBER Scrubber added by LADCO
54	51	0005	012	002	99		10100202	SO2	5.689	5.680	0.5680	0.0	0.90	SCRUBBER Scrubber added by LADCO

feid	23.463	23.428	2.3428
cyid	23.463	23.428	2.3428

STID=54 CYID=53 feid=0009 name=APPALACHIAN POWER - MOUNTAINEER PLANT

STID	CYID	feid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
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54	53	0009	001	001	99		10100202	SO2	11.196	11.179	1.1179	0.0	0.90	SCRUBBER Scrubber added by LADCO
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STID=54 CYID=79 feid=0006 name=APPALACHIAN POWER - JOHN E AMOS PLANT

STID	CYID	feid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
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54	79	0006	012	001	99	10100202	SO2	79.635	79.516	7.9516	0.0	0.90	SCRUBBER	Scrubber added by LADCO
54	79	0006	003	003	99	10100202	SO2	139.377	139.169	13.9169	0.0	0.90	SCRUBBER	Scrubber added by LADCO

						219.012	218.685	21.8685						
						219.012	218.685	21.8685						
						253.671	253.293	25.3293						
						=====	=====	=====						
						424.200	425.307	47.0832						
=====														

feid
 cyid
 stid

S02 - 2012

Point Source Grown and Controlled Emissions by facility for S02 r6s1b_2012

Base Year = 2002

Future Year = 2012

STID=17 CYID=31 fcid=031600AMI name=MIDWEST GENERATION LLC

STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
17	31	031600AMI	0007	0010	01		10100226	SO2	16.13	18.39	1.839	0.0	0.900	SCRUBBER Scrubber added by LADCO

STID=17 CYID=97 fcid=097190AAC name=MIDWEST GENERATION LLC

STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
17	97	097190AAC	0018	0033	01		10100226	SO2	24.14	27.52	2.752	0.0	0.900	SCRUBBER Scrubber added by LADCO
17	97	097190AAC	0021	0036	01		10100226	SO2	19.23	21.92	2.192	0.0	0.900	SCRUBBER Scrubber added by LADCO
17	97	097190AAC	0016	0031	01		10100203	SO2	4.59	5.24	0.005	0.0	0.999	SHUTDOWN Scrubber added by LADCO

fcid 47.96 54.68 4.950
cyid 47.96 54.68 4.950

STID=17 CYID=125 fcid=125804AAB name=DYNEGY MIDWEST GENERATION INC

STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
17	125	125804AAB	0019	0023	01		10100202	SO2	22.34	25.47	3.821	0.0	0.850	SCRUBBER Scrubber added by LADCO

STID=17 CYID=127 fcid=127855AAC name=ELECTRIC ENERGY INC

STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
17	127	127855AAC	0001	0001	01		10100222	SO2	11.83	13.48	13.482	0.0	0.000	LNB LNB added by LADCO
17	127	127855AAC	0001	0002	01		10100222	SO2	11.48	13.09	13.085	0.0	0.000	LNB LNB added by LADCO
17	127	127855AAC	0002	0003	01		10100222	SO2	10.25	11.68	11.680	0.0	0.000	LNB LNB added by LADCO
17	127	127855AAC	0002	0004	01		10100222	SO2	12.04	13.73	13.731	0.0	0.000	LNB LNB added by LADCO
17	127	127855AAC	0003	0006	01		10100222	SO2	12.68	14.46	14.456	0.0	0.000	LNB LNB added by LADCO

fcid 58.27 66.43 66.435
cyid 58.27 66.43 66.435

STID=17 CYID=135 fcid=135803AAA name=AMEREN ENERGY GENERATING CO

STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
17	135	135803AAA	0001	0001	01		10100203	SO2	32.99	37.61	3.761	0.0	0.900	SCRUBBER Scrubber added by LADCO
17	135	135803AAA	0001	0003	01		10100203	SO2	72.92	83.13	8.313	0.0	0.900	SCRUBBER Scrubber added by LADCO

fcid 105.91 120.74 12.074
cyid 105.91 120.74 12.074

STID=17 CYID=157 fcid=157851AAA name=DYNEGY MIDWEST GENERATION INC

STID		CYID		fcid		skid	dvid	prid	Base Yr		Controlled		Base Year		Future Year		Control EF	ctrltype	ctrlides
									sec	polid	Grown	Tons/Day	Tons/Day	Tons/Day	Tons/Day				
17	157	157851AAA	0001	0001	01	10100203	SO2	25.14	28.66	4.299	0.0	0.850	SCRUBBER	Scrubber added by LADCO					
17	157	157851AAA	0002	0002	01	10100203	SO2	25.79	29.41	4.411	0.0	0.850	SCRUBBER	Scrubber added by LADCO					
17	157	157851AAA	0013	0013	01	10100202	SO2	27.79	31.68	4.752	0.0	0.850	SCRUBBER	Scrubber added by LADCO					

fcid		78.72	89.75	13.462															
cyid		78.72	89.75	13.462															

STID=17 CYID=167 fcid=167120AAO name=CITY WATER LIGHT & POWER

STID		CYID		fcid		skid		dvid		prid		Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype		ctrlides	
												sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF						
17	167	167120AAO	0010	0012	01	10100203	SO2	44.20	50.39	0.050	0.0	0.999	SHUTDOWN	Scrubber added by LADCO											
17	167	167120AAO	0010	0013	01	10100203	SO2	16.40	18.70	0.019	0.0	0.999	SHUTDOWN	Scrubber added by LADCO											
-----														60.61	69.10	0.069									
fcid												60.61	69.10	0.069											
cyid												60.61	69.10	0.069											

STID=17 CYID=179 fcid=179801AAA name=MIDWEST GENERATION LLC

STID		CYID		fcid		skid		dvid		prid		Base Yr		Grown		Controlled		Base Year		Future Year		ctrltype		ctrlides	
												sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control	EF				
17	179	179801AAA	0018	0029	01	10100203	SO2	25.35	28.90	2.890	0.0	0.900	SCRUBBER	Scrubber added by LADCO											
17	179	179801AAA	0018	0031	01	10100203	SO2	41.57	47.39	4.739	0.0	0.900	SCRUBBER	Scrubber added by LADCO											

fcid		66.91		76.29		7.629																			
cyid		66.91		76.29		7.629																			

STID=17 CYID=197 fcid=197810AAK name=MIDWEST GENERATION LLC

STID		CYID		fcid		stkid	dvid	prid	Base Yr		Future Year		Control EF	ctrltype	ctrlides
									sec	polid	Grown	Controlled			
17	197	197810AAK	0013	0010	03	10100501	SO2	0.00	0.00	0.000	0.0	0.999	SHUTDOWN	Scrubber added by LADCO	
17	197	197810AAK	0007	0012	02	10100223	SO2	15.33	17.48	0.017	0.0	0.999	SHUTDOWN	Scrubber added by LADCO	
17	197	197810AAK	0007	0012	03	10100501	SO2	0.00	0.00	0.000	0.0	0.999	SHUTDOWN	Scrubber added by LADCO	

fcid		15.33	17.48	0.017											
cyid		15.33	17.48	0.017											
stid		472.19	538.32	110.295											

STID=19 CYID=115 fcid=58-07-001 name=MIDAMERICAN ENERGY CO. - LOUISA STATION

STID		CYID		fcid		skid	dvid	prid	Base Yr			Future Year			ctrltype	ctrlides
									sec	polid	Grown	Controlled	Tons/Day	Base Yr		
19	115	58-07-001	117487	147281	99	10100222	SO2	33.66	38.38	3.838	0.0	0.900	SCRUBBER	Scrubber added by LADCO		

STID=21 CYID=161 fcid=2116100009 name=EAST KY POWER COOP

STID		CYID		fcid		skid	dvid	prid	Base Yr			Future Year			ctrltype	ctrlides
									sec	polid	Tons/Day	Tons/Day	Tons/Day	Control		
		sec	polid	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control	EF	ctrltype	ctrlides				

21	161	2116100009	1	001	99	10100202	SO2	42.17	44.03	4.403	0.0	0.900	SCRUBBER	Scrubber added by LADCO
21	161	2116100009	2	002	99	10100212	SO2	55.39	57.84	5.784	0.0	0.900	SCRUBBER	Scrubber added by LADCO

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feid		97.55	101.87	10.187										
cyid		97.55	101.87	10.187										
stid		97.55	101.87	10.187										

STID=27 CYID=61 feid=2706100004 name=Minnesota Power Inc - Boswell Energy Ctr

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
27	61	2706100004	SV003	EU003	001	10100226	SO2	33.99	35.19	15.081	0.3	0.700	SCRUBBER	Scrubber added by LADCO
27	61	2706100004	SV003	EU003	002	10100501	SO2	0.00	0.00	0.000	0.3	0.700	SCRUBBER	Scrubber added by LADCO

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feid		33.99	35.19	15.081									
cyid		33.99	35.19	15.081									

STID=27 CYID=109 feid=2710900011 name=Rochester Public Utilities - Silver Lake

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
27	109	2710900011	SV003	EU004	001	10100202	SO2	7.86	8.13	1.220	0.0	0.850	SCRUBBER	Scrubber added by LADCO

STID=27 CYID=141 feid=2714100004 name=NSP - Sherburne Generating Plant

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
27	141	2714100004	SV001	EU001	001	10100222	SO2	16.76	17.36	3.719	0.3	0.850	SCRUBBER	Scrubber added by LADCO
27	141	2714100004	SV001	EU002	001	10100222	SO2	22.55	23.34	5.002	0.3	0.850	SCRUBBER	Scrubber added by LADCO

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feid		39.31	40.70	8.721									
cyid		39.31	40.70	8.721									
stid		81.16	84.02	25.023									

STID=39 CYID=13 feid=0607130015 name=R. E. BURGER PLANT

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
39	13	0607130015	R6	B011	B011P1	10100202	SO2	29.83	31.15	3.115	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	13	0607130015	R7	B012	B012P1	10100202	SO2	34.77	36.31	3.631	0.0	0.900	SCRUBBER	Scrubber added by LADCO

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feid		64.60	67.46	6.746									
cyid		64.60	67.46	6.746									

STID=39 CYID=31 feid=0616000000 name=CONESVILLE POWER PLANT

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
39	31	0616000000	R4	B004	B004P1	10100212	SO2	316.00	330.00	33.000	0.0	0.900	SCRUBBER	Scrubber added by LADCO

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stid		380.60	397.46	39.746									

STID=47 CYID=1 feid=0009 name=TVA BULL RUN FOSSIL PLANT

feid 65.49 66.59 6.659
cyid 65.49 66.59 6.659
stid 488.04 496.25 49.625

STID=54 CYID=51 feid=0005 name=OHIO POWER - MITCHELL PLANT

STID	CYID	feid	stkid	dvid	prid	Base Yr			Grown			Controlled			Base Year			Future Year			ctrltype	ctrlides
						sec	polid	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day		
54	51	0005	012	001	99	10100202	SO2	17.77	18.56	1.856	0.0	0.900	SCRUBBER	Scrubber added by LADCO								
54	51	0005	012	002	99	10100202	SO2	5.69	5.94	0.594	0.0	0.900	SCRUBBER	Scrubber added by LADCO								

feid 23.46 24.50 2.450
cyid 23.46 24.50 2.450

STID=54 CYID=53 feid=0009 name=APPALACHIAN POWER - MOUNTAINEER PLANT

STID	CYID	feid	stkid	dvid	prid	Base Yr			Grown			Controlled			Base Year			Future Year			ctrltype	ctrlides
						sec	polid	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day		
54	53	0009	001	001	99	10100202	SO2	11.20	11.69	1.169	0.0	0.900	SCRUBBER	Scrubber added by LADCO								

STID=54 CYID=79 feid=0006 name=APPALACHIAN POWER - JOHN E AMOS PLANT

STID	CYID	feid	stkid	dvid	prid	Base Yr			Grown			Controlled			Base Year			Future Year			ctrltype	ctrlides
						sec	polid	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day		
54	79	0006	012	001	99	10100202	SO2	79.63	83.16	8.316	0.0	0.900	SCRUBBER	Scrubber added by LADCO								
54	79	0006	012	002	99	10100202	SO2	100.33	104.78	10.478	0.0	0.900	SCRUBBER	Scrubber added by LADCO								
54	79	0006	003	003	99	10100202	SO2	139.38	145.55	14.555	0.0	0.900	SCRUBBER	Scrubber added by LADCO								

feid 319.35 333.50 33.350
cyid 319.35 333.50 33.350
stid 354.00 369.69 36.969

STID=55 CYID=79 feid=241007690 name=WIS ELECTRIC POWER OAK CREEK STATION

STID	CYID	feid	stkid	dvid	prid	Base Yr			Grown			Controlled			Base Year			Future Year			ctrltype	ctrlides
						sec	polid	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day	tons/day		
55	79	241007690	S13	B25	01	10100202	SO2	12.75	14.54	3.490	0.0	0.760	SCRUBBER	Scrubber added by LADCO								
55	79	241007690	S13	B26	01	10100202	SO2	8.68	9.89	2.473	0.0	0.750	SCRUBBER	Scrubber added by LADCO								
55	79	241007690	S14	B27	01	10100212	SO2	10.97	12.51	2.876	0.0	0.770	SCRUBBER	Scrubber added by LADCO								
55	79	241007690	S14	B28	01	10100212	SO2	11.28	12.86	2.958	0.0	0.770	SCRUBBER	Scrubber added by LADCO								

feid 43.68 49.80 11.797
cyid 43.68 49.80 11.797
stid 43.68 49.80 11.797

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1950.90 2075.80 287.480

S02 - 2018

Point Source Grown and Controlled Emissions by facility for S02 r6s1b_2018

Base Year = 2002

Future Year = 2018

STID=17 CYID=31 feid=031600AIN name=MIDWEST GENERATION LLC

STID	CYID	feid	stkid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides
							Grown	Controlled	Tons/Day	Tons/Day			
17	31	031600AIN	0010	0013	01	10100226	S02	10.92	12.39	1.239	0.0	0.900	SCRUBBER Scrubber added by LADCO
17	31	031600AIN	0012	0016	01	10100226	S02	17.69	20.08	2.008	0.0	0.900	SCRUBBER Scrubber added by LADCO

feid							28.61	32.48	3.248				

STID=17 CYID=31 feid=031600AMI name=MIDWEST GENERATION LLC

STID	CYID	feid	stkid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides
							Grown	Controlled	Tons/Day	Tons/Day			
17	31	031600AMI	0007	0010	01	10100226	S02	16.13	18.31	1.831	0.0	0.900	SCRUBBER Scrubber added by LADCO

cyid							44.74	50.79	5.079				

STID=17 CYID=79 feid=079808AAA name=AMEREN ENERGY GENERATING CO

STID	CYID	feid	stkid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides
							Grown	Controlled	Tons/Day	Tons/Day			
17	79	079808AAA	0003	0003	01	10100202	S02	36.35	41.27	4.127	0.0	0.900	SCRUBBER Scrubber added by LADCO
17	79	079808AAA	0012	0013	01	10100501	S02	23.99	19.46	1.946	0.0	0.900	SCRUBBER Scrubber added by LADCO

feid							65.34	60.72	6.072				
cyid							65.34	60.72	6.072				

STID=17 CYID=97 feid=097190AAC name=MIDWEST GENERATION LLC

STID	CYID	feid	stkid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides
							Grown	Controlled	Tons/Day	Tons/Day			
17	97	097190AAC	0018	0033	01	10100226	S02	24.14	27.40	2.740	0.0	0.900	SCRUBBER Scrubber added by LADCO
17	97	097190AAC	0021	0036	01	10100226	S02	19.23	21.83	2.183	0.0	0.900	SCRUBBER Scrubber added by LADCO
17	97	097190AAC	0016	0031	01	10100203	S02	4.59	5.22	0.005	0.0	0.999	SHUTDOWN Scrubber added by LADCO

feid							47.96	54.45	4.928				
cyid							47.96	54.45	4.928				

STID=17 CYID=125 feid=125804AAB name=DYNEGY MIDWEST GENERATION INC

STID	CYID	feid	stkid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides
							Grown	Controlled	Tons/Day	Tons/Day			
17	125	125804AAB	0019	0023	01	10100202	S02	22.34	25.36	3.805	0.0	0.850	SCRUBBER Scrubber added by LADCO

STID=17 CYID=127 feid=127855AAC name=ELECTRIC ENERGY INC

STID	CYID	feid	stkid	dvid	prid	sec	Base Yr		Future Year		Control EF	ctrltype	ctrlides
							Grown	Controlled	Tons/Day	Tons/Day			

17	127	127855AAC	0002	0003	01	10100222	SO2	10.25	11.63	11.630	0.0	0.000	LNB	LNB added by LADCO
17	127	127855AAC	0002	0004	01	10100222	SO2	12.04	13.67	13.673	0.0	0.000	LNB	LNB added by LADCO
17	127	127855AAC	0001	0001	01	10100222	SO2	11.83	13.42	1.342	0.0	0.900	SCRUBBER	Scrubber added by LADCO
17	127	127855AAC	0001	0002	01	10100222	SO2	11.48	13.03	1.303	0.0	0.900	SCRUBBER	Scrubber added by LADCO
17	127	127855AAC	0003	0005	01	10100222	SO2	11.72	13.31	1.331	0.0	0.900	SCRUBBER	Scrubber added by LADCO
17	127	127855AAC	0003	0006	01	10100222	SO2	12.68	14.39	1.439	0.0	0.900	SCRUBBER	Scrubber added by LADCO

feid 70.00 79.46 30.719
cyid 70.00 79.46 30.719

STID=17 CYID=135 feid=135803AAA name=AMEREN ENERGY GENERATING CO

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	sktid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlaes	
17	135	135803AAA	0001	0001	01	10100203	SO2	32.99	37.45	3.745	0.0	0.900	SCRUBBER	Scrubber added by LADCO
17	135	135803AAA	0001	0003	01	10100203	SO2	72.92	82.77	8.277	0.0	0.900	SCRUBBER	Scrubber added by LADCO

feid 105.91 120.22 12.022
cyid 105.91 120.22 12.022

STID=17 CYID=143 feid=143805AAG name=AES ED EDWARDS STATION

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	sktid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlaes	
17	143	143805AAG	0002	0004	01	10100202	SO2	15.28	17.34	1.734	0.0	0.900	SCRUBBER	Scrubber added by LADCO

STID=17 CYID=157 feid=157851AAA name=DYNEGY MIDWEST GENERATION INC

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	sktid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlaes	
17	157	157851AAA	0001	0001	01	10100203	SO2	25.14	28.54	4.281	0.0	0.850	SCRUBBER	Scrubber added by LADCO
17	157	157851AAA	0002	0002	01	10100203	SO2	25.79	29.28	4.392	0.0	0.850	SCRUBBER	Scrubber added by LADCO
17	157	157851AAA	0013	0013	01	10100202	SO2	27.79	31.54	4.732	0.0	0.850	SCRUBBER	Scrubber added by LADCO

feid 78.72 89.36 13.404
cyid 78.72 89.36 13.404

STID=17 CYID=167 feid=167120AAO name=CITY WATER LIGHT & POWER

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	sktid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlaes	
17	167	167120AAO	0010	0012	01	10100203	SO2	44.20	50.18	0.050	0.0	0.999	SHUTDOWN	Scrubber added by LADCO
17	167	167120AAO	0010	0013	01	10100203	SO2	16.40	18.62	0.019	0.0	0.999	SHUTDOWN	Scrubber added by LADCO

feid 60.61 68.80 0.069
cyid 60.61 68.80 0.069

STID=17 CYID=179 feid=179801AAA name=MIDWEST GENERATION LLC

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	sktid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlaes	
17	179	179801AAA	0018	0029	01	10100203	SO2	25.35	28.77	2.877	0.0	0.900	SCRUBBER	Scrubber added by LADCO
17	179	179801AAA	0018	0031	01	10100203	SO2	41.57	47.19	4.719	0.0	0.900	SCRUBBER	Scrubber added by LADCO

feid	66.91	75.96	7.596
evid	66.91	75.96	7.596

STID=17 CYID=197 fcid=197809AAO name=MIDWEST GENERATION LLC

STID	CYTD	fcid	stkid	dvid	pvid	Base Yr		Grown polid	Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	prid		Tons/Day	Tons/Day	Tons/Day	Tons/Day				
17	197	197809AAO	0006	0009	01	10100203	S02	15.89	18.04	1.804	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
17	197	197809AAO	0016	0031	01	10100202	S02	27.43	31.13	3.113	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
17	197	197809AAO	0017	0033	01	10100202	S02	23.13	26.26	2.626	0.0	0.900	SCRUBBER	Scrubber added by LADCO		

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STID=17 CYID=197 fcid=197810AAK name=MIDWEST GENERATION LLC

	STID	CYID	fcid	stkid	dvid	prid	Base Yr sec	Grown polid	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	Ctrl type	ctrlides
17	197	197810AAK	0009	0014	02	10100222	S02	11.64	13.21	1.321	0.0	0.900	SCRUBBER	Scrubber added by LADCO
17	197	197810AAK	0011	0016	02	10100222	S02	25.67	29.14	2.914	0.0	0.900	SCRUBBER	Scrubber added by LADCO
17	197	197810AAK	0013	0010	03	10100501	S02	0.00	0.00	0.000	0.0	0.999	SHUTDOWN	Scrubber added by LADCO
17	197	197810AAK	0007	0012	02	10100223	S02	15.33	17.40	0.017	0.0	0.999	SHUTDOWN	Scrubber added by LADCO
17	197	197810AAK	0007	0012	03	10100501	S02	0.00	0.00	0.000	0.0	0.999	SHUTDOWN	Scrubber added by LADCO
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feed		fciid					52.64	59.75	4.252					
cylid							119.09	135.19	11.796					
stdid							696.90	777.66	97.225					

STID=18 CYID=147 fcid=00020 name=INDIANA MICHIGAN POWER-ROCKPORT

STUD	CYID	fcid	stkid	dvid	prid	sec	Base Yr	Grown	Controlled	Base Year	Future Year	Control EF	Control EF	ctrltype	ctrlides
								polid	Tons/Day	Tons/Day	Tons/Day				
18	147	00020	1	001	01	10100222	S02	66.42	72.32	7.232	0.0	0.900	SCRUBBER	Scrubber added by LADCO	
18	147	00020	1	001	02	10100501	S02	0.00	0.00	0.000	0.0	0.900	SCRUBBER	Scrubber added by LADCO	

fcid								66.42	72.32	7.232					
cyid								66.42	72.32	7.232					
stkid								66.42	72.32	7.232					

STID=19 CYID=115 fcid=58-07-001 name=MIDAMERICAN ENERGY CO. - LOUISA STATION

Base Yr Grown Controlled Base Year Future Year															
STID	CYID	fcid	skid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF	ctrltype	ctrlides	
19	115	58-07-001	117487	147281	99		10100222	S02	33.66	38.22	3.822	0.0	0.900	SCRUBBER	SCRUBBER added by LADCO

STID=21 CYID=127 fcid=211270003 name=KENTUCKY POWER CO

	Base Yr	Grown	Controlled	Base Year	Future Year
	prid	sec	polid	Tons/Day	Tons/Day
STID	CYID	fcd	stkid	dvid	ctldes
				Control EF	Control EF
				ctrltype	ctrltype

STID=21 CYID=161 fcid=211610009 name=EAST KY POWER COOP

	Base Yr	Grown	Controlled	Base Year	Future Year
	sec	polid	Tons/Day	Tons/Day	Tons/Day
STTD	stkid	dvid	prid	STID	STID
	feid			CYID	CYID
				Control EF	Control EF
				ctrltype	ctrltype

21	161	2116100009	1	001	99	10100202	SO2	42.17	45.92	4.592	0.0	0.900	SCRUBBER	Scrubber added by LADCO
21	161	2116100009	2	002	99	10100212	SO2	55.39	60.31	6.031	0.0	0.900	SCRUBBER	Scrubber added by LADCO
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fcid						97.55	106.23	10.623						
cyid						97.55	106.23	10.623						
stid						202.07	220.04	22.004						
STID=27 CYID=61 fcid=2706100004 name=Minnesota Power Inc - Boswell Energy Ctr														
STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
27	61	2706100004	SV003	EU003	001	10100226	SO2	33.99	39.15	16.778	0.3	0.700	SCRUBBER	Scrubber added by LADCO
27	61	2706100004	SV003	EU003	002	10100501	SO2	0.00	0.00	0.000	0.3	0.700	SCRUBBER	Scrubber added by LADCO
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fcid						33.99	39.15	16.778						
cyid						33.99	39.15	16.778						
STID=27 CYID=109 fcid=2710900011 name=Rochester Public Utilities - Silver Lake														
STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
27	109	2710900011	SV003	EU004	001	10100202	SO2	7.86	9.05	1.357	0.0	0.850	SCRUBBER	Scrubber added by LADCO
STID=27 CYID=141 fcid=2714100004 name=NSP - Sherburne Generating Plant														
STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
27	141	2714100004	SV001	EU001	001	10100222	SO2	16.76	19.31	4.138	0.3	0.850	SCRUBBER	Scrubber added by LADCO
27	141	2714100004	SV001	EU002	001	10100222	SO2	22.55	25.97	5.565	0.3	0.850	SCRUBBER	Scrubber added by LADCO
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fcid						39.31	45.28	9.703						
cyid						39.31	45.28	9.703						
stid						81.16	93.48	27.838						
STID=39 CYID=13 fcid=0607130015 name=R. E. BURGER PLANT														
STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
39	13	0607130015	R6	B011	B011P1	10100202	SO2	29.83	32.48	3.248	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	13	0607130015	R7	B012	B012P1	10100202	SO2	34.77	37.86	3.786	0.0	0.900	SCRUBBER	Scrubber added by LADCO
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fcid						64.60	70.34	7.034						
cyid						64.60	70.34	7.034						
STID=39 CYID=31 fcid=0616000000 name=CONESVILLE POWER PLANT														
STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides
39	31	0616000000	R4	B004	B004P1	10100212	SO2	316.00	344.11	34.411	0.0	0.900	SCRUBBER	Scrubber added by LADCO
STID=39 CYID=167 fcid=0684000000 name=MUSKINGUM RIVER POWER PLANT														
STID	CYID	fcid	stkid	dvid	prid	sec	polid	Grown Tons/Day	Controlled Tons/Day	Base Year Tons/Day	Future Year Tons/Day	Control EF	ctrltype	ctrlides

39	167	0684000000	R2	B002	B002P1	10100201	SO2	65.07	70.85	7.085	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R2	B002	B002P2	10100501	SO2	0.00	0.00	0.000	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R3	B003	B003P1	10100201	SO2	94.58	103.00	10.300	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R3	B003	B003P2	10100501	SO2	0.00	0.00	0.000	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R4	B004	B004P1	10100203	SO2	81.64	88.90	8.890	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R4	B004	B004P2	10100501	SO2	0.00	0.00	0.000	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R5	B005	B005P1	10100203	SO2	97.22	105.87	10.587	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R5	B005	B005P2	10100501	SO2	0.00	0.00	0.000	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R6	B006	B006P1	10100202	SO2	113.96	124.10	12.410	0.0	0.900	SCRUBBER	Scrubber added by LADCO
39	167	0684000000	R6	B006	B006P2	10100501	SO2	0.00	0.00	0.000	0.0	0.900	SCRUBBER	Scrubber added by LADCO

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feid		452.48	492.72	49.272										
cyid		452.48	492.72	49.272										
stid		833.08	907.16	90.716										

STID=47 CYID=1 feid=0009 name=TVA BULL RUN FOSSIL PLANT

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid		Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF		
47	1	0009	S-1	001	99	10100212	SO2	130.81	136.82	13.682	0.0	0.900	SCRUBBER	Scrubber added by LADCO		

STID=47 CYID=73 feid=0007 name=TVA JOHN SEVIER FOSSIL PLANT

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid		Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF		
47	73	0007	S-1A	001	99	10100212	SO2	20.15	21.07	2.107	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
47	73	0007	S-1B	002	99	10100212	SO2	20.25	21.18	2.118	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
47	73	0007	S-2A	003	99	10100212	SO2	19.62	20.52	2.052	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
47	73	0007	S-2B	004	99	10100212	SO2	18.93	19.80	1.980	0.0	0.900	SCRUBBER	Scrubber added by LADCO		

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feid		78.95	82.57	8.257										
cyid		78.95	82.57	8.257										

STID=47 CYID=85 feid=0011 name=TVA JOHNSONVILLE FOSSIL PLANT

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid		Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF		
47	85	0011	S1-01	001	99	10100212	SO2	17.06	17.84	1.784	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
47	85	0011	S1-04	004	99	10100212	SO2	19.85	20.76	2.076	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
47	85	0011	S1-05	005	99	10100212	SO2	24.11	25.22	2.522	0.0	0.900	SCRUBBER	Scrubber added by LADCO		

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feid		61.02	63.82	6.382										
cyid		61.02	63.82	6.382										

STID=47 CYID=145 feid=0013 name=TVA KINGSTON FOSSIL PLANT

STID	CYID	feid	skid	dvid	prid	Base Yr		Grown	Controlled		Base Year		Future Year		ctrltype	ctrlides
						sec	polid		Tons/Day	Tons/Day	Tons/Day	Tons/Day	Control EF	Control EF		
47	145	0013	S-1	001	99	10100202	SO2	12.68	13.26	1.326	0.0	0.900	SCRUBBER	Scrubber added by LADCO		
47	145	0013	S-1	002	99	10100202	SO2	14.00	14.65	1.465	0.0	0.900	SCRUBBER	Scrubber added by LADCO		

47	145	0013	S-1	003	99	10100202	SO2	13.80	14.44	1.444	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	145	0013	S-1	004	99	10100202	SO2	12.24	12.80	1.280	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	145	0013	S-1	005	99	10100202	SO2	19.57	20.47	2.047	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	145	0013	S-2	006	99	10100202	SO2	18.92	19.79	1.979	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	145	0013	S-2	007	99	10100202	SO2	21.30	22.28	2.228	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	145	0013	S-2	008	99	10100202	SO2	18.54	19.39	1.939	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	145	0013	S-2	009	99	10100202	SO2	20.72	21.68	2.168	0.0	0.900	SCRUBBER	Scrubber added by LADCO
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feid								151.77	158.75	15.875				
cyid								151.77	158.75	15.875				

STID=47 CYID=165 feid=0025 name=TVA GALLATIN FOSSIL PLANT

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stkid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
47	165	0025	S-01	001	99	10100212	SO2	13.91	14.54	1.454	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	165	0025	S-01	002	99	10100212	SO2	14.87	15.56	1.556	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	165	0025	S-02	003	99	10100212	SO2	16.33	17.08	1.708	0.0	0.900	SCRUBBER	Scrubber added by LADCO
47	165	0025	S-02	004	99	10100212	SO2	20.39	21.32	2.132	0.0	0.900	SCRUBBER	Scrubber added by LADCO
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feid								65.49	68.50	6.850				
cyid								65.49	68.50	6.850				
stid								488.04	510.46	51.046				

STID=54 CYID=39 feid=0006 name=APPALACHIAN POWER - KANAWHA RIVER PLANT

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stkid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
54	39	0006	012	001	99	10100202	SO2	19.45	21.18	10.591	0.0	0.500	SCRUBBER	Scrubber added by LADCO
54	39	0006	012	002	99	10100202	SO2	20.94	22.80	11.399	0.0	0.500	SCRUBBER	Scrubber added by LADCO
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feid								40.39	43.98	21.990				
cyid								40.39	43.98	21.990				

STID=54 CYID=51 feid=0005 name=OHIO POWER - MITCHELL PLANT

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stkid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
54	51	0005	012	001	99	10100202	SO2	17.77	19.36	1.936	0.0	0.900	SCRUBBER	Scrubber added by LADCO
54	51	0005	012	002	99	10100202	SO2	5.69	6.19	0.619	0.0	0.900	SCRUBBER	Scrubber added by LADCO
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feid								23.46	25.55	2.555				

STID=54 CYID=51 feid=0006 name=OHIO POWER - KAMMER PLANT

		Base Yr		Grown		Controlled		Base Year		Future Year				
STID	CYID	feid	stkid	dvid	prid	sec	polid	Tons/Day	Tons/Day	Tons/Day	Control EF	ctrltype	ctrlides	
54	51	0006	013	001	99	10100203	SO2	47.06	51.25	5.125	0.0	0.900	SCRUBBER	Scrubber added by LADCO
54	51	0006	013	002	99	10100203	SO2	47.66	51.90	5.190	0.0	0.900	SCRUBBER	Scrubber added by LADCO
54	51	0006	013	003	99	10100203	SO2	41.94	45.67	4.567	0.0	0.900	SCRUBBER	Scrubber added by LADCO

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fcid      136.67 148.82 14.882
cyid      160.13 174.37 17.437

STID=54 CYID=53 fcid=0001 name=APPALACHIAN POWER CO.-PHILIP SPORN PLANT
STID CYID fcid      stkid dvid prid      sec      polid      Grown      Controlled      Base Year      Future Year
      Tons/Day      Tons/Day      Tons/Day      Tons/Day      Control EF      ctrltype      ctrlides
54 53 0001 014 001 99 10100202 SO2 18.65 20.31 2.031 0.0 0.900 SCRUBBER Scrubber added by LADCO
54 53 0001 014 002 99 10100202 SO2 15.87 17.28 1.728 0.0 0.900 SCRUBBER Scrubber added by LADCO
54 53 0001 014 003 99 10100202 SO2 21.46 23.36 2.336 0.0 0.900 SCRUBBER Scrubber added by LADCO
54 53 0001 014 004 99 10100202 SO2 20.53 22.36 2.236 0.0 0.900 SCRUBBER Scrubber added by LADCO
54 53 0001 005 005 99 10100202 SO2 46.82 50.98 5.098 0.0 0.900 SCRUBBER Scrubber added by LADCO
----
fcid      123.33 134.30 13.430

STID=54 CYID=53 fcid=0009 name=APPALACHIAN POWER - MOUNTAINEER PLANT
STID CYID fcid      stkid dvid prid      sec      polid      Grown      Controlled      Base Year      Future Year
      Tons/Day      Tons/Day      Tons/Day      Tons/Day      Control EF      ctrltype      ctrlides
54 53 0009 001 001 99 10100202 SO2 11.20 12.19 1.219 0.0 0.900 SCRUBBER Scrubber added by LADCO
----
cyid      134.53 146.49 14.649

STID=54 CYID=79 fcid=0006 name=APPALACHIAN POWER - JOHN E AMOS PLANT
STID CYID fcid      stkid dvid prid      sec      polid      Grown      Controlled      Base Year      Future Year
      Tons/Day      Tons/Day      Tons/Day      Tons/Day      Control EF      ctrltype      ctrlides
54 79 0006 012 001 99 10100202 SO2 79.63 86.72 8.672 0.0 0.900 SCRUBBER Scrubber added by LADCO
54 79 0006 012 002 99 10100202 SO2 100.33 109.26 10.926 0.0 0.900 SCRUBBER Scrubber added by LADCO
54 79 0006 003 003 99 10100202 SO2 139.38 151.77 15.177 0.0 0.900 SCRUBBER Scrubber added by LADCO
----
fcid      319.35 347.75 34.775
cyid      319.35 347.75 34.775
stid      654.39 712.59 88.851

STID=55 CYID=79 fcid=241007690 name=WIS ELECTRIC POWER OAK CREEK STATION
STID CYID fcid      stkid dvid prid      sec      polid      Grown      Controlled      Base Year      Future Year
      Tons/Day      Tons/Day      Tons/Day      Tons/Day      Control EF      ctrltype      ctrlides
55 79 241007690 S13 B25 01 10100202 SO2 12.75 14.48 3.475 0.0 0.760 SCRUBBER Scrubber added by LADCO
55 79 241007690 S13 B26 01 10100202 SO2 8.68 9.85 2.462 0.0 0.750 SCRUBBER Scrubber added by LADCO
55 79 241007690 S14 B27 01 10100212 SO2 10.97 12.45 2.864 0.0 0.770 SCRUBBER Scrubber added by LADCO
55 79 241007690 S14 B28 01 10100212 SO2 11.28 12.81 2.945 0.0 0.770 SCRUBBER Scrubber added by LADCO
----
fcid      43.68 49.59 11.746
cyid      43.68 49.59 11.746
stid      43.68 49.59 11.746
=====
3099.41 3381.52 400.481

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Appendix II

Scenario C Controls (CAMD List)

NOx Controls (SCRs, 2007 – 2013))

Plant Name	UniqueID_Final	State Name	County	Capacity MW	On Line Year	SCR Online Year
Chesterfield	3797_B_4	Virginia	Chesterfield	166	1960	2013
Chesterfield	3797_B_5	Virginia	Chesterfield	310	1964	2012
Scherer	6257_B_3	Georgia	Monroe	875	1987	2011
Chesterfield	3797_B_6	Virginia	Chesterfield	658	1969	2011
Sandow No 4	6648_B_4	Texas	Milam	545	1981	2011
Beech Hollow Power Project	82704_B_1	Pennsylvania	Washington	272	2011	2011
Longview Power	82702_B_1	West Virginia	Monongalia	695	2011	2011
Cliffside	2721_B_6	North Carolina	Cleveland	800	2011	2011
AES Westover	2526_B_11	New York	Broome	22	1943	2010
AES Westover	2526_B_12	New York	Broome	22	1943	2010
AES Westover	2526_B_13	New York	Broome	84	1951	2010
Iatan 2	6065_B_2	Missouri	Platte	850	2010	2010
Southwest	6195_B_2	Missouri	Greene	300	2010	2010
Trimble Station (LGE)	6071_B_2	Kentucky	Trimble	732	2010	2010
Elm Road Generating Station	56068_B_2	Wisconsin	Milwaukee	615	2010	2010
Clay Boswell	1893_B_3	Minnesota	Itasca	350	1973	2009
Asheville	2706_B_2	North Carolina	Buncombe	184	1971	2009
Conesville	2840_B_4	Ohio	Coshocton	780	1973	2009
Marshall	2727_B_3	North Carolina	Catawba	657	1969	2009
St Johns River Power Park	207_B_1	Florida	Duval	626	1987	2009
Ghent	1356_B_2	Kentucky	Carroll	469	1977	2009
Chalk Point LLC	1571_B_1	Maryland	Prince George's	341	1964	2009
Chalk Point LLC	1571_B_2	Maryland	Prince George's	342	1965	2009
San Juan	2451_B_2	New Mexico	San Juan	320	1973	2009
Big Bend	645_B_BB01	Florida	Hillsborough	411	1970	2009
Big Bend	645_B_BB02	Florida	Hillsborough	391	1973	2009
Big Bend	645_B_BB03	Florida	Hillsborough	414	1976	2009
Nebraska City Unit 2	6096_B_2	Nebraska	Otoe	663	2009	2009
Cross	130_B_4	South Carolina	Berkeley	652	2009	2009
Springerville	8223_B_4	Arizona	Apache	400	2009	2009
Sandow 5	82010_B_5	Texas	Milam	600	2009	2009
Oak Grove	82011_B_1	Texas	Robertson	800	2009	2009
Oak Grove	82011_B_2	Texas	Robertson	800	2009	2009
TS Power Plant	82013_B_1	Nevada	Eureka	200	2009	2009
Plum Point Energy	82014_B_1	Arkansas	Mississippi	665	2009	2009
Comanche	470_B_3	Colorado	Pueblo	750	2009	2009
Elm Road Generating Station	56068_B_1	Wisconsin	Milwaukee	615	2009	2009
Two Elk Generating Station	55360_B_1	Wyoming	Campbell	300	2009	2009
J K Spruce	7097_B_BLR2	Texas	Bexar	750	2009	2009
Dallman	963_B_34	Illinois	Sangamon	200	2009	2009
AES Greenidge LLC	2527_B_4	New York	Yates	27	1950	2008
AES Greenidge LLC	2527_B_5	New York	Yates	27	1950	2008
AES Greenidge LLC	2527_B_6	New York	Yates	106	1953	2008
Charles R Lowman	56_B_2	Alabama	Washington	238	1979	2008
Charles R Lowman	56_B_3	Alabama	Washington	238	1980	2008
Barry	3_B_5	Alabama	Mobile	750	1971	2008
St Johns River Power Park	207_B_2	Florida	Duval	626	1988	2008
Morgantown Generating Plant	1573_B_2	Maryland	Charles	620	1971	2008

Bailly	995_B_7	Indiana	Porter	160	1962	2008
San Juan	2451_B_1	New Mexico	San Juan	322	1976	2008
San Juan	2451_B_3	New Mexico	San Juan	495	1979	2008
Weston	4078_B_4	Wisconsin	Marathon	519	2008	2008
AES Deepwater	10670_B_AAB001	Texas	Harris	140	1986	2007
La Cygne	1241_B_1	Kansas	Linn	724	1973	2007
Morgantown Generating Plant	1573_B_1	Maryland	Charles	624	1970	2007
PSEG Hudson Generating Station	2403_B_2	New Jersey	Hudson	583	1967	2007
San Juan	2451_B_4	New Mexico	San Juan	506	1982	2007
Big Bend	645_B_BB04	Florida	Hillsborough	457	1985	2007
Cross	130_B_3	South Carolina	Berkeley	620	2007	2007
Wygen II	55479_B_4	Wyoming	Campbell	90	2007	2007
Council Bluffs	1082_B_4	Iowa	Pottawattamie	790	2007	2007

SO2 Controls (FGDs, 2007 – 2012)

Plant Name	UniqueID_Final	State Name	County	Capacity MW	On Line Year	Scrubber Online Year
James H Miller Jr	6002_B_1	Alabama	Jefferson	684	1978	2011
James H Miller Jr	6002_B_2	Alabama	Jefferson	687	1985	2011
James H Miller Jr	6002_B_3	Alabama	Jefferson	687	1989	2011
James H Miller Jr	6002_B_4	Alabama	Jefferson	688	1991	2011
Cape Fear	2708_B_5	North Carolina	Chatham	143	1956	2011
Baldwin Energy Complex	889_B_1	Illinois	Randolph	624	1970	2011
Baldwin Energy Complex	889_B_2	Illinois	Randolph	629	1973	2011
Baldwin Energy Complex	889_B_3	Illinois	Randolph	629	1975	2011
Scherer	6257_B_3	Georgia	Monroe	875	1987	2011
Milton R Young	2823_B_B1	North Dakota	Oliver	250	1970	2011
W H Sammis	2866_B_6	Ohio	Jefferson	630	1969	2011
W H Sammis	2866_B_7	Ohio	Jefferson	630	1971	2011
PSEG Hudson Generating Station	2403_B_2	New Jersey	Hudson	583	1967	2011
John Sevier	3405_B_1	Tennessee	Hawkins	176	1955	2011
John Sevier	3405_B_2	Tennessee	Hawkins	176	1955	2011
John Sevier	3405_B_3	Tennessee	Hawkins	176	1956	2011
John Sevier	3405_B_4	Tennessee	Hawkins	176	1957	2011
Beech Hollow Power Project	82704_B_1	Pennsylvania	Washington	272	2011	2011
Longview Power	82702_B_1	West Virginia	Monongalia	695	2011	2011
Cliffside	2721_B_6	North Carolina	Cleveland	800	2011	2011
AES Greenidge LLC	2527_B_4	New York	Yates	27	1950	2010
AES Greenidge LLC	2527_B_5	New York	Yates	27	1950	2010
Barry	3_B_5	Alabama	Mobile	750	1971	2010
E C Gaston	26_B_5	Alabama	Shelby	861	1974	2010
Warrick	6705_B_4	Indiana	Warrick	300	1970	2010
Coffeen	861_B_01	Illinois	Montgomery	340	1965	2010
Coffeen	861_B_02	Illinois	Montgomery	560	1972	2010
Cardinal	2828_B_3	Ohio	Jefferson	630	1977	2010
Brandon Shores	602_B_1	Maryland	Anne Arundel	643	1984	2010
Brandon Shores	602_B_2	Maryland	Anne Arundel	643	1991	2010
Monroe	1733_B_4	Michigan	Monroe	775	1974	2010
Cliffside	2721_B_5	North Carolina	Cleveland	550	1972	2010
Crystal River	628_B_4	Florida	Citrus	720	1982	2010
Bowen	703_B_1BLR	Georgia	Bartow	713	1971	2010

Crist	641_B_6	Florida	Escambia	302	1970	2010
Crist	641_B_7	Florida	Escambia	477	1973	2010
Clifty Creek	983_B_1	Indiana	Jefferson	217	1955	2010
Clifty Creek	983_B_2	Indiana	Jefferson	217	1955	2010
Clifty Creek	983_B_3	Indiana	Jefferson	217	1955	2010
Clifty Creek	983_B_4	Indiana	Jefferson	217	1955	2010
Clifty Creek	983_B_5	Indiana	Jefferson	217	1955	2010
Clifty Creek	983_B_6	Indiana	Jefferson	217	1956	2010
Chalk Point LLC	1571_B_1	Maryland	Prince George's	341	1964	2010
Chalk Point LLC	1571_B_2	Maryland	Prince George's	342	1965	2010
Dickerson	1572_B_1	Maryland	Montgomery	182	1959	2010
Dickerson	1572_B_2	Maryland	Montgomery	182	1960	2010
Dickerson	1572_B_3	Maryland	Montgomery	182	1962	2010
R E Burger	2864_B_7	Ohio	Belmont	156	1955	2010
R E Burger	2864_B_8	Ohio	Belmont	156	1955	2010
Kyger Creek	2876_B_1	Ohio	Gallia	217	1955	2010
Kyger Creek	2876_B_2	Ohio	Gallia	217	1955	2010
Kyger Creek	2876_B_3	Ohio	Gallia	217	1955	2010
Kyger Creek	2876_B_4	Ohio	Gallia	217	1955	2010
Kyger Creek	2876_B_5	Ohio	Gallia	217	1955	2010
Cheswick	8226_B_1	Pennsylvania	Allegheny	580	1970	2010
PSEG Mercer Generating Station	2408_B_1	New Jersey	Mercer	315	1960	2010
PSEG Mercer Generating Station	2408_B_2	New Jersey	Mercer	310	1961	2010
Silver Lake	2008_B_4	Minnesota	Olmsted	61	1969	2010
Kingston	3407_B_1	Tennessee	Roane	135	1954	2010
Kingston	3407_B_2	Tennessee	Roane	135	1954	2010
Kingston	3407_B_3	Tennessee	Roane	135	1954	2010
Kingston	3407_B_4	Tennessee	Roane	135	1954	2010
Kingston	3407_B_5	Tennessee	Roane	177	1955	2010
Kingston	3407_B_6	Tennessee	Roane	177	1955	2010
Kingston	3407_B_7	Tennessee	Roane	177	1955	2010
Kingston	3407_B_8	Tennessee	Roane	177	1955	2010
Kingston	3407_B_9	Tennessee	Roane	178	1955	2010
Sioux	2107_B_1	Missouri	St. Charles	497	1967	2010
Sioux	2107_B_2	Missouri	St. Charles	497	1968	2010
Chesterfield	3797_B_5	Virginia	Chesterfield	310	1964	2010
Yorktown	3809_B_1	Virginia	York	159	1957	2010
AES Westover	2526_B_11	New York	Broome	22	1943	2010
AES Westover	2526_B_12	New York	Broome	22	1943	2010
AES Westover	2526_B_13	New York	Broome	84	1951	2010
Iatan 2	6065_B_2	Missouri	Platte	850	2010	2010
Southwest	6195_B_2	Missouri	Greene	300	2010	2010
Trimble Station (LGE)	6071_B_2	Kentucky	Trimble	732	2010	2010
Elm Road Generating Station	56068_B_2	Wisconsin	Milwaukee	615	2010	2010
Cholla	113_B_3	Arizona	Navajo	271	1980	2009
Mayo	6250_B_1A	North Carolina	Person	362	1983	2009
Mayo	6250_B_1B	North Carolina	Person	362	1983	2009
Conesville	2840_B_4	Ohio	Coshocton	780	1973	2009
G G Allen	2718_B_1	North Carolina	Gaston	162	1957	2009
G G Allen	2718_B_2	North Carolina	Gaston	162	1957	2009
G G Allen	2718_B_3	North Carolina	Gaston	260	1959	2009

G G Allen	2718_B_4	North Carolina	Gaston	275	1960	2009
G G Allen	2718_B_5	North Carolina	Gaston	265	1961	2009
H L Spurlock	6041_B_1	Kentucky	Mason	315	1977	2009
Crystal River	628_B_5	Florida	Citrus	717	1984	2009
Deerhaven Generating Station	663_B_B2	Florida	Alachua	228	1981	2009
Bowen	703_B_2BLR	Georgia	Bartow	718	1972	2009
Wansley	6052_B_2	Georgia	Heard	892	1978	2009
E W Brown	1355_B_1	Kentucky	Mercer	94	1957	2009
E W Brown	1355_B_2	Kentucky	Mercer	160	1963	2009
E W Brown	1355_B_3	Kentucky	Mercer	422	1971	2009
Ghent	1356_B_2	Kentucky	Carroll	469	1977	2009
Fayette Power Project	6179_B_1	Texas	Fayette	598	1979	2009
Fayette Power Project	6179_B_2	Texas	Fayette	598	1980	2009
Morgantown Generating Plant	1573_B_1	Maryland	Charles	624	1970	2009
Morgantown Generating Plant	1573_B_2	Maryland	Charles	620	1971	2009
PPL Brunner Island	3140_B_1	Pennsylvania	York	321	1961	2009
PPL Brunner Island	3140_B_2	Pennsylvania	York	378	1965	2009
Keystone	3136_B_1	Pennsylvania	Armstrong	850	1967	2009
Keystone	3136_B_2	Pennsylvania	Armstrong	850	1968	2009
Bull Run	3396_B_1	Tennessee	Anderson	881	1967	2009
Bay Shore	2878_B_4	Ohio	Lucas	215	1968	2009
Hatfields Ferry Power Station	3179_B_1	Pennsylvania	Greene	530	1969	2009
Hatfields Ferry Power Station	3179_B_2	Pennsylvania	Greene	530	1970	2009
Hatfields Ferry Power Station	3179_B_3	Pennsylvania	Greene	530	1971	2009
Nebraska City Unit 2	6096_B_2	Nebraska	Otoe	663	2009	2009
Cross	130_B_4	South Carolina	Berkeley	652	2009	2009
Springerville	8223_B_4	Arizona	Apache	400	2009	2009
Sandow 5	82010_B_5	Texas	Milam	600	2009	2009
Oak Grove	82011_B_1	Texas	Robertson	800	2009	2009
Oak Grove	82011_B_2	Texas	Robertson	800	2009	2009
TS Power Plant	82013_B_1	Nevada	Eureka	200	2009	2009
Plum Point Energy	82014_B_1	Arkansas	Mississippi	665	2009	2009
Comanche	470_B_3	Colorado	Pueblo	750	2009	2009
Elm Road Generating Station	56068_B_1	Wisconsin	Milwaukee	615	2009	2009
Two Elk Generating Station	55360_B_1	Wyoming	Campbell	300	2009	2009
J K Spruce	7097_B_BLR2	Texas	Bexar	750	2009	2009
Dallman	963_B_34	Illinois	Sangamon	200	2009	2009
Charles R Lowman	56_B_1	Alabama	Washington	86	1969	2008
John E Amos	3935_B_1	West Virginia	Putnam	800	1971	2008
John E Amos	3935_B_2	West Virginia	Putnam	800	1972	2008
Cholla	113_B_4	Arizona	Navajo	380	1981	2008
Roxboro	2712_B_1	North Carolina	Person	369	1966	2008
Roxboro	2712_B_3A	North Carolina	Person	341	1973	2008
Roxboro	2712_B_3B	North Carolina	Person	341	1973	2008
Miami Fort	2832_B_7	Ohio	Hamilton	500	1975	2008
Miami Fort	2832_B_8	Ohio	Hamilton	500	1978	2008
Cogentrix Virginia Leasing Corp	10071_B_2A	Virginia	Portsmouth	19	1988	2008
Cogentrix Virginia Leasing Corp	10071_B_2B	Virginia	Portsmouth	19	1988	2008
Cogentrix Virginia Leasing Corp	10071_B_2C	Virginia	Portsmouth	19	1988	2008
J M Stuart	2850_B_1	Ohio	Adams	585	1971	2008
J M Stuart	2850_B_2	Ohio	Adams	597	1970	2008

J M Stuart	2850_B_3	Ohio	Adams	597	1972	2008
J M Stuart	2850_B_4	Ohio	Adams	597	1974	2008
Monroe	1733_B_3	Michigan	Monroe	795	1973	2008
Belews Creek	8042_B_1	North Carolina	Stokes	1,115	1974	2008
Belews Creek	8042_B_2	North Carolina	Stokes	1,115	1975	2008
Bowen	703_B_3BLR	Georgia	Bartow	902	1974	2008
Bowen	703_B_4BLR	Georgia	Bartow	929	1975	2008
Hammond	708_B_1	Georgia	Floyd	112	1954	2008
Hammond	708_B_2	Georgia	Floyd	112	1954	2008
Hammond	708_B_3	Georgia	Floyd	112	1955	2008
Hammond	708_B_4	Georgia	Floyd	510	1970	2008
Wansley	6052_B_1	Georgia	Heard	891	1976	2008
Harding Street	990_B_70	Indiana	Marion	435	1973	2008
Cogentrix Hopewell	10377_B_1A	Virginia	Hopewell (city)	18	1987	2008
Cogentrix Hopewell	10377_B_1B	Virginia	Hopewell (city)	18	1987	2008
Cogentrix Hopewell	10377_B_1C	Virginia	Hopewell (city)	18	1987	2008
Ghent	1356_B_4	Kentucky	Carroll	478	1984	2008
Council Bluffs	1082_B_3	Iowa	Pottawattamie	690	1978	2008
PPL Brunner Island	3140_B_3	Pennsylvania	York	749	1969	2008
PPL Montour	3149_B_1	Pennsylvania	Montour	774	1972	2008
PPL Montour	3149_B_2	Pennsylvania	Montour	766	1973	2008
Comanche	470_B_1	Colorado	Pueblo	366	1973	2008
Comanche	470_B_2	Colorado	Pueblo	370	1975	2008
Cayuga	1001_B_2	Indiana	Vermillion	473	1972	2008
Winyah	6249_B_1	South Carolina	Georgetown	295	1975	2008
Winyah	6249_B_2	South Carolina	Georgetown	295	1977	2008
Winyah	6249_B_3	South Carolina	Georgetown	295	1980	2008
Chesterfield	3797_B_6	Virginia	Chesterfield	658	1969	2008
Brayton Point	1619_B_1	Massachusetts	Bristo	243	1963	2008
Brayton Point	1619_B_2	Massachusetts	Bristo	244	1964	2008
Weston	4078_B_4	Wisconsin	Marathon	519	2008	2008
Gorgas	8_B_10	Alabama	Walker	690	1972	2007
Gorgas	8_B_8	Alabama	Walker	165	1956	2007
Gorgas	8_B_9	Alabama	Walker	175	1958	2007
John E Amos	3935_B_3	West Virginia	Putnam	1,300	1973	2007
Mountaineer	6264_B_1	West Virginia	Mason	1,300	1980	2007
Cardinal	2828_B_1	Ohio	Jefferson	600	1967	2007
Cardinal	2828_B_2	Ohio	Jefferson	600	1967	2007
Roxboro	2712_B_2	North Carolina	Person	639	1968	2007
Roxboro	2712_B_4A	North Carolina	Person	343	1980	2007
Roxboro	2712_B_4B	North Carolina	Person	343	1980	2007
Cogentrix Virginia Leasing Corp	10071_B_1A	Virginia	Portsmouth	19	1988	2007
Cogentrix Virginia Leasing Corp	10071_B_1B	Virginia	Portsmouth	19	1988	2007
Cogentrix Virginia Leasing Corp	10071_B_1C	Virginia	Portsmouth	19	1988	2007
Killen Station	6031_B_2	Ohio	Adams	615	1982	2007
Marshall	2727_B_2	North Carolina	Catawba	378	1966	2007
Marshall	2727_B_3	North Carolina	Catawba	657	1969	2007
Cogentrix Hopewell	10377_B_2A	Virginia	Hopewell (city)	18	1987	2007
Cogentrix Hopewell	10377_B_2B	Virginia	Hopewell (city)	18	1987	2007
Cogentrix Hopewell	10377_B_2C	Virginia	Hopewell (city)	18	1987	2007
Ghent	1356_B_3	Kentucky	Carroll	478	1981	2007

Louisa	6664_B_101	Iowa	Louisa	700	1983	2007
Allen S King	1915_B_1	Minnesota	Washington	571	1968	2007
Mitchell	3948_B_1	West Virginia	Marshall	800	1971	2007
Gibson	6113_B_1	Indiana	Gibson	630	1975	2007
Gibson	6113_B_2	Indiana	Gibson	628	1975	2007
Winyah	6249_B_4	South Carolina	Georgetown	270	1981	2007
Pleasant Prairie	6170_B_2	Wisconsin	Kenosha	617	1985	2007
Cross	130_B_3	South Carolina	Berkeley	620	2007	2007
Wygen II	55479_B_4	Wyoming	Campbell	90	2007	2007
Council Bluffs	1082_B_4	Iowa	Pottawattamie	790	2007	2007

Assumed BART Facilities and Units

State	County	Fac ID	Facility Name	Unit ID
MI	Bay	B2840	CE - KARNWEADOCK	EU00036
MI	Bay	B2840	CE - KARNWEADOCK	EU00037
MI	Eaton	B4001	LAN. BW&L ERICKSON	EU00007
MI	Houghton	B6553	UP POWER CO / PORTAGE	EU00008
MI	Huron	B2815	DTE - HARBOR BEACH	EU00009
MI	Ingham	B2647	LAN. BW&L Eckert	RG00023
MI	Ingham	B2647	LAN. BW&L Eckert	RG00023
MI	Ingham	B2647	LAN. BW&L Eckert	RG00023
MI	Ingham	B2647	LAN. BW&L Moores Park	RG00021
MI	Marquette	B4261	WE-ENERGIES	EU00029
MI	Marquette	B4261	WE-ENERGIES	EU00030
MI	Marquette	B4261	WE-ENERGIES	EU00031
MI	Marquette	B4261	WE-ENERGIES	EU00032
MI	Marquette	B4261	WE-ENERGIES	EU00033
MI	Monroe	B2816	DTE - MONROE	EU00062
MI	Monroe	B2816	DTE - MONROE	EU00068
MI	Monroe	B2816	DTE - MONROE	EU00063
MI	Monroe	B2816	DTE - MONROE	EU00064
MI	Ottawa	B2835	CE - CAMPBELL	EU00062
MI	Ottawa	B2835	CE - CAMPBELL	EU00061
MI	Saint Clair	B2796	DTE - ST. CLAIR / BELLE RIVER	EU00111
MI	Saint Clair	B6145	DTE - GREENWOOD	EU00009
MI	Wayne	B2132	WYANDOTTE	EU00036
MI	Wayne	B2185	DETROIT PLD, MISTERSKY	EU00014
MI	Wayne	B2811	DTE - TRENTON	EU00035
OH	Lake	0243160009	CEL., EASTLAKE PLANT	B005
OH		0247030013	Orion Power Midwest	B012
OH		0285010188	Dept of Public Utilities, City of Orrville	B001
OH		0285010188	Dept of Public Utilities, City of Orrville	B004
OH		0448020006	Toledo Edison Co., Bay Shore	B003
OH		0448020006	Toledo Edison Co., Bay Shore	B004
OH		0616000000	Conesville Power Plant	B003
OH		0616000000	Conesville Power Plant	B004
OH		0616000000	Conesville Power Plant	B007
OH		0641050002	Cardinal Power Plant	B001
OH		0641050002	Cardinal Power Plant	B002

OH		0641050002	Cardinal Power Plant	B003
OH		0641050002	Cardinal Power Plant	B004
OH		0641050002	Cardinal Power Plant	B008
OH		0641050002	Cardinal Power Plant	B009
OH		0641050002	Cardinal Power Plant	B009
OH	Jefferson	0641160017	W. H. SAMMIS PLANT	B011
OH	Jefferson	0641160017	W. H. SAMMIS PLANT	B012
OH	Jefferson	0641160017	W. H. SAMMIS PLANT	B013
OH		0684000000	Muskingum River Power Plant	B006
OH	Adams	0701000007	DP&L, J.M. Stuart Generating Station	B001
OH	Adams	0701000007	DP&L, J.M. Stuart Generating Station	B002
OH	Adams	0701000007	DP&L, J.M. Stuart Generating Station	B003
OH	Adams	0701000007	DP&L, J.M. Stuart Generating Station	B004
OH		0701000060	DP&L, Killen Station	B001
OH		1409040243	City of Hamilton Dept of Public Utilities	B002
OH		1409040243	City of Hamilton Dept of Public Utilities	B008
OH		1409040243	City of Hamilton Dept of Public Utilities	B009
OH		1413100008	CG&E W. C. BECKJORD	B005
OH		1413100008	CG&E W. C. BECKJORD	B006
OH		1431350093	CG&E MIAMI FORT STATION	B015
IL	Peoria	856	Ameren – Edwards	2
IL	Sangamon	963	CWLP – Dallman	31
IL	Sangamon	963	CWLP – Dallman	32
IL	Christian	876	Dominion – Kincaid	1
IL	Christian	876	Dominion – Kincaid	2
WI	COLUMBIA	111003090	Alliant Energy-Columbia Generating	B20
WI	COLUMBIA	111003090	Alliant Energy-Columbia Generating	B21
WI	COLUMBIA	111003090	Alliant Energy-Columbia Generating	B22
WI	GRANT	122014530	Alliant Energy, Nelson Dewey	B22 (unit 2)
WI	MILWAUKEE	241007690	We Energies-Oak Creek Station	B26 (Unit 6)
WI	MILWAUKEE	241007690	We Energies-Oak Creek Station	B27 (Unit 7)
WI	MILWAUKEE	241007690	We Energies-Oak Creek Station	B28
WI	MILWAUKEE	241007800	We Energies-Valley Station	B21
WI	MILWAUKEE	241007800	We Energies-Valley Station	B23
WI	MILWAUKEE	241007800	We Energies-Valley Station	B24
WI	BROWN	405031990	WI Public Service Corp - JP Pulliam	B27 (unit 8)
WI	SHEBOYGAN	460033090	WP & L Alliant Energy – Edgewater	B24
			Dairyland Power Coop Alma Station	
WI	BUFFALO	606034110	(J.P. Madgett boilers)	B25 (+B26)
WI	BUFFALO	606034110	Dairyland Power Coop Alma Station	B27
WI	VERNON	663020930	Dairyland Power Coop Genoa Station	B20
WI	VERNON	663020930	Dairyland Power Coop Genoa Station	B25
IN	Porter	995	Bailly	7
IN	Porter	995	Bailly	8
IN	Vermillion	1001	Cayuga	1
IN	Vermillion	1001	Cayuga	2
IN	Montgomery	1024	Crawfordsville	6
IN	Warrick	1012	Culley	2

IN	Warrick	1012	Culley	3
IN	Gibson	6113	Gibson	1
IN	Gibson	6113	Gibson	2
IN	Cass	1032	Logansport	6
IN	Sullivan	6213	Merom	1
IN	Sullivan	6213	Merom	2
IN	LaPorte	997	Michigan City	12
IN	Lake	996	Mitchell	11
IN	Pike	994	Petersburg	1
IN	Pike	994	Petersburg	2
IN	Pike	994	Petersburg	3
IN	Pike	1043	Ratts	1
IN	Pike	1043	Ratts	2
IN	Wayne	7335	RPL	2
IN	Jasper	6085	Schahfer	14
IN	Jasper	6085	Schahfer	15
IN	Lake	981	Stateline	4
IN	Marion	990	Stout	70
IN	Dearborn.	988	Tanners Creek	4
IN	Vigo	1010	Wabash River	6
IN	Warrick	6705	Warrick	4
IA		07-02-005	Cedar Falls Utilities	Unit #7 (EU10.1A)
IA		88-01-004	Central Iowa Power Cooperative (CIPCO) – Summit Lake Station	CombTurbines (EU 1/1G, EU2/2G)
IA		70-08-003	Central Iowa Power Cooperative (CIPCO) – Fair Station	Unit # 2 (EU 2 & EU 2G)
IA		85-01-006	City of Ames - Steam Electric Plant	Boiler #7 (EU 2)
IA		29-01-013	Interstate Power & Light - Burlington	Main Plant Boiler.
IA		03-03-001	Interstate Power & Light - Lansing	Boiler #4. Sixteen units in total.
IA		23-01-014	Interstate Power & Light - ML Kapp	Boiler #2. Six units in total.
IA		57-01-042	Interstate Power & Light - Prairie Creek	Boiler #4. Fourteen units in total.
IA		78-01-026	MidAmerican Energy Co - Council Bluffs	Boiler #3 (EU003)
IA		97-04-010	MidAmerican Energy Co - Neal North	Boilers #1-3 (EU001 - EU003)
IA		97-04-011	MidAmerican Energy Co - Neal South	Boiler #4 (EU003)
IA		70-01-011	Muscatine Power and Water	Boiler #8
IA		63-02-005	Pella Municipal Power Plant	Boilers #6-8
MN		2709900001	Austin Utilities NE Power Station	EU001
MN		2713700027	Hibbing Public Utilities	EU003
MN		2703100001	MN Power, Taconite Harbor	EU003
MN		2706100004	MN Power, Boswell Energy Center	EU003
MN		2701500010	New Ulm Public Utilities	EU003 - Boiler 4
MN		2711100002	Otter Tail Power Hoot Lake	EU003
MN		2710900011	Rochester Public Utilities, Silver Lake	EU003
MN		2710900011	Rochester Public Utilities, Silver Lake	EU004
MN		2713700028	Virginia Public Utilities	EU003 - Boiler 9
MN		2714100004	Xcel Energy, Sherco	EU001, EU002
MN		2716300005	Xcel Energy, Allen S King	EU001 - Boiler 1

MN		2705300015	Xcel Energy, Riverside	EU003 - Boiler 8
MO		290710003	Ameren -Labadie	B1, B2, B3, B4
MO		291830001	Ameren - Sioux	B1, B2
MO		290990016	Ameren - Rush Island	B1, B2
MO		290950031	Auila - Sibley	B3 - 5C
MO		291430004	Assoc. Electric - New Madrid	B1(EP-01), B2 (EP-02)
MO		290770039	City Utilities Springfield - Southwest	B1 (E09)
MO		290770005	City Utilities Springfield - James River	E07, E08
MO		290970001	Empire Distric Electric - Asbury	B7
MO		290830001	KC Power and Light - Montrose	EP08
MO		290210004	Aquila - Lake Road	EP06
MO		291750001	Assoc. Electric - Thomas Hill	EP01, EP02
MO		290950021	Trigen - Kansas City	B1A
MO		290190002	City of Columbia Municipal Power Plant	EP02
MO		291950010	Marshall Munipal Utilities	EP05
MO		290950050	Independence Power & Light-Blue Valley	B3 (EP05)
WV		3943	Fort Martin	
WV		6004	Pleasants	
WV		3948	Mitchell	
WV		3935	Amos	
WV		6264	Mountaineer	
WV		3944	Harrison	
TN		3396	TVA Bull Run	
TN		3399	TVA Cumberland	
KY		1363	Cane Run	
KY		1364	Mill Creek	
KY		6041	Spurlock	
KY		1384	John Sherman Cooper	
KY		1353	Big Sandy	
KY		1356	Ghent	
KY		1355	Brown	
KY		1374	Owensboro Municipal	
KY		1372	Henderson Municipal	
KY		1378	Paradise	
KY		1361	Coleman	
KY		1382	Reid/Henderson 2	
KY		6639	Green	

