APPENDIX 6.2-D- MODELING INPUTS

Table 6.2D-1 - Construction Modeling Parameters (Metric Units)

Source Description	Source ID	Source Type	UTM NAD83 Easting (m)	UTM NAD83 Northing (m)	Base Elev (m)	Release Height (m)	Sigma Y (m)	Sigma Z (m)	CO 1-hour (g/s)	CO 8-hour (g/s)	NO2 1-hour (g/s)	NO2 Annual (g/s)	SO2 1-hour (g/s)	SO2 3-hour (g/s)	SO2 24-hour (g/s)	SO2 Annual (g/s)	PM10 24-hour (g/s)	PM10 Annual (g/s)	PM2.5 24-hour (g/s)	PM2.5 Annual (g/s)
Combustion	COMB01	VOLUME	489594.8	3691171.0	129.86	10.0	41.4	2.79	0.244	0.236	0.540	0.0227	4.664E-04	4.664E-04	3.010E-04	2.119E-05	1.527E-02	1.476E-03	1.405E-02	1.358E-03
	COMB02	VOLUME	489694.8	3691171.0	124.82	10.0	41.4	2.79	0.244	0.236	0.540	0.0227	4.664E-04	4.664E-04	3.010E-04	2.119E-05	1.527E-02	1.476E-03	1.405E-02	1.358E-03
	COMB03	VOLUME	489594.8	3691071.0	122.21	10.0	41.4	2.79	0.244	0.236	0.540	0.0227	4.664E-04	4.664E-04	3.010E-04	2.119E-05	1.527E-02	1.476E-03	1.405E-02	1.358E-03
	COMB04	VOLUME	489694.8	3691071.0	118.22	10.0	41.4	2.79	0.244	0.236	0.540	0.0227	4.664E-04	4.664E-04	3.010E-04	2.119E-05	1.527E-02	1.476E-03	1.405E-02	1.358E-03
Fugitive Sources	FUG01	VOLUME	489606.8	3691044.3	119.76	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG02	VOLUME	489606.8	3691124.8	127.11	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG03	VOLUME	489729.8	3691129.3	121.59	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG04	VOLUME	489725.8	3691061.3	116.98	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG05	VOLUME	489700.8	3691178.3	127.70	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG06	VOLUME	489604.8	3691095.3	123.94	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG07	VOLUME	489744.8	3691093.8	118.14	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG08	VOLUME	489699.8	3691091.8	120.79	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG09	VOLUME	489734.8	3691185.8	124.91	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG10	VOLUME	489666.8	3691143.8	127.03	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG11	VOLUME	489648.8	3691174.8	130.66	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG12	VOLUME	489649.8	3691085.3	122.63	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04
	FUG13	VOLUME	489598.8	3691186.3	133.54	3.0	13.95	2.79	0	0	0	0	0	0	0	0	2.567E-02	5.436E-04	4.876E-03	1.231E-04

Notes:

1) Source ID in model runs are appended with "LT" for annual runs, and "ST" for all other averaging periods.

2) Annual emissions modeled for 8760 hours/year. Shorter periods use "HROFDY" option to limit emissions to 12 hours per day (7:00 AM to 7:00 PM)

Table 6.2D-2 - Construction Modeling Parameters (English Units)

Source Description	Source ID	Source Type	UTM NAD83 Easting (m)	UTM NAD83 Northing (m)	Base Elev (ft)	Release Height (ft)	Sigma Y (ft)	Sigma Z (ft)	CO 1-hour (lb/hr)	CO 8-hour (lb/hr)	NO2 1-hour (lb/hr)	NO2 Annual (lb/hr)	SO2 1-hour (lb/hr)	SO2 3-hour (lb/hr)	SO2 24-hour (lb/hr)	SO2 Annual (lb/hr)	PM10 24-hour (lb/hr)	PM10 Annual (lb/hr)	PM2.5 24-hour (lb/hr)	PM2.5 Annual (lb/hr)
Combustion	COMB01	VOLUME	489594.8	3691171.0	426.05	32.81	135.83	9.15	1.94	1.87	4.28	0.18	0.004	0.004	0.002	0.0002	0.121	0.0117	0.112	0.0108
	COMB02	VOLUME	489694.8	3691171.0	409.51	32.81	135.83	9.15	1.94	1.87	4.28	0.18	0.004	0.004	0.002	0.0002	0.121	0.0117	0.112	0.0108
	COMB03	VOLUME	489594.8	3691071.0	400.95	32.81	135.83	9.15	1.94	1.87	4.28	0.18	0.004	0.004	0.002	0.0002	0.121	0.0117	0.112	0.0108
	COMB04	VOLUME	489694.8	3691071.0	387.86	32.81	135.83	9.15	1.94	1.87	4.28	0.18	0.004	0.004	0.002	0.0002	0.121	0.0117	0.112	0.0108
Fugitive Sources	FUG01	VOLUME	489606.8	3691044.3	392.91	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG02	VOLUME	489606.8	3691124.8	417.03	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG03	VOLUME	489729.8	3691129.3	398.92	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG04	VOLUME	489725.8	3691061.3	383.79	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG05	VOLUME	489700.8	3691178.3	418.96	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG06	VOLUME	489604.8	3691095.3	406.63	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG07	VOLUME	489744.8	3691093.8	387.60	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG08	VOLUME	489699.8	3691091.8	396.29	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG09	VOLUME	489734.8	3691185.8	409.81	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG10	VOLUME	489666.8	3691143.8	416.77	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG11	VOLUME	489648.8	3691174.8	428.67	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG12	VOLUME	489649.8	3691085.3	402.33	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010
	FUG13	VOLUME	489598.8	3691186.3	438.12	9.84	45.77	9.15	0	0	0	0	0	0	0	0	0.204	0.004	0.0387	0.0010

Table 6.2D-3 - Commissioning Source Locations and Constant Parameters

Source Description	Source ID Prefix	Source Type	UTM NAD83 Easting (m)	UTM NAD83 Northing (m)	Base Elev (m)	Base Elev (ft)	Stack Height (m)	Stack Height (ft)	Diam. (m)	Diam. (ft)
Turbine #1	T1	POINT	489646.3	3691139.3	128.24	420.75	24.384	80.0	3.81	12.5
Turbine #2	T2	POINT	489664.8	3691107.8	128.24	420.75	24.384	80.0	3.81	12.5

Table 6.2D-4 - Commissioning Modeling Parameters (Metric Units)

Case	Source ID Suffix	Stack Exhaust Temp (K)	Flow (m^3/s)	Velocity (m/s)	CO 1-hour (g/s)	CO 8-hour (g/s)	NO2 1-hour (g/s)	NO2 Annual (g/s)	SO2 1-hour (g/s)	SO2 3-hour (g/s)	SO2 24-hour (g/s)	SO2 Annual (g/s)	PM10 24-hour (g/s)	PM10 Annual (g/s)
100	C100	722.21	281.3	24.67	5.531	5.531	5.477	0.250	0.126	0.126	0.126	0.005768	0.340	0.01553
101	C101	734.82	257.2	22.56	2.068	2.068	4.753	0.217	0.110	0.110	0.110	0.005009	0.311	0.01420
102	C102	728.98	250.4	21.96	3.452	3.452	4.566	0.209	0.105	0.105	0.105	0.004811	0.303	0.01383
103	C103	724.87	243.5	21.36	3.316	3.316	4.386	0.200	0.101	0.101	0.101	0.004621	0.294	0.01345
104	C104	720.26	236.5	20.74	1.589	1.589	4.205	0.192	0.097	0.097	0.097	0.004430	0.286	0.01306
105	C105	714.98	229.3	20.11	1.748	1.748	4.018	0.183	0.093	0.093	0.093	0.004237	0.277	0.01266
106	C106	710.04	222.3	19.50	2.902	2.902	3.839	0.175	0.089	0.089	0.089	0.004046	0.269	0.01228
107	C107	703.82	215.1	18.87	2.761	2.761	3.653	0.167	0.084	0.084	0.084	0.003852	0.260	0.01188
108	C108	699.21	208.1	18.26	1.314	1.314	3.476	0.159	0.080	0.080	0.080	0.003667	0.252	0.01149
109	C109	697.15	200.8	17.62	1.438	1.438	3.309	0.151	0.076	0.076	0.076	0.003488	0.243	0.01109
110	C110	706.37	195.4	17.14	2.349	2.349	3.106	0.142	0.072	0.072	0.072	0.003278	0.236	0.01079
111	C111	701.93	187.9	16.48	2.216	2.216	2.931	0.134	0.068	0.068	0.068	0.003094	0.227	0.01038
112	C112	698.71	180.1	15.80	1.043	1.043	2.759	0.126	0.064	0.064	0.064	0.002913	0.218	0.00995
113	C113	695.98	172.1	15.10	1.125	1.125	2.585	0.118	0.060	0.060	0.060	0.002733	0.208	0.00951
114	C114	693.76	164.9	14.47	1.833	1.833	2.422	0.111	0.056	0.056	0.056	0.002560	0.199	0.00911
115	C115	694.04	157.6	13.82	1.714	1.714	2.264	0.103	0.052	0.052	0.052	0.002394	0.191	0.00870
116	C116	696.71	150.0	13.16	0.798	0.798	2.109	0.096	0.049	0.049	0.049	0.002229	0.181	0.00828
117	C117	703.98	148.0	12.98	0.874	0.874	6.344	0.290	0.047	0.047	0.047	0.002126	0.179	0.00817
118	C118	704.15	147.3	12.92	1.511	1.511	6.248	0.285	0.046	0.046	0.046	0.002112	0.178	0.00813
119	C119	704.98	144.5	12.67	1.470	1.470	5.873	0.268	0.045	0.045	0.045	0.002056	0.175	0.00798
120	C120	705.54	141.7	12.43	0.714	0.714	5.507	0.251	0.044	0.044	0.044	0.001998	0.171	0.00783
121	C121	706.59	138.8	12.17	0.694	0.694	5.147	0.235	0.042	0.042	0.042	0.001941	0.168	0.00766
122	C122	707.59	135.7	11.90	0.673	0.673	4.792	0.219	0.041	0.041	0.041	0.001882	0.164	0.00749
123	C123	709.37	132.5	11.63	0.651	0.651	4.448	0.203	0.040	0.040	0.040	0.001823	0.160	0.00732
124	C124	710.98	129.3	11.34	0.630	0.630	4.111	0.188	0.039	0.039	0.039	0.001762	0.156	0.00714
125	C125	712.54	126.1	11.06	0.609	0.609	3.785	0.173	0.037	0.037	0.037	0.001702	0.152	0.00696
126	C126	707.93	123.1	10.80	0.585	0.585	3.452	0.158	0.036	0.036	0.036	0.001636	0.149	0.00680
127	C127	702.15	120.1	10.54	0.561	0.561	3.129	0.143	0.034	0.034	0.034	0.001568	0.145	0.00663
128	C128	696.82	117.2	10.28	0.537	0.537	2.827	0.129	0.033	0.033	0.033	0.001502	0.142	0.00647
129	C129	691.48	114.2	10.01	0.513	0.513	2.541	0.116	0.031	0.031	0.031	0.001436	0.138	0.00630
130	C130	687.21	111.2	9.75	0.490	0.490	2.283	0.104	0.030	0.030	0.030	0.001373	0.134	0.00614
131	C131	682.26	108.2	9.49	0.467	0.467	2.035	0.093	0.029	0.029	0.029	0.001310	0.131	0.00597
132	C132	679.43	106.6	9.35	0.455	0.455	1.913	0.087	0.028	0.028	0.028	0.001277	0.129	0.00589
133	C133	679.32	106.6	9.35	0.455	0.455	1.910	0.087	0.028	0.028	0.028	0.001277	0.129	0.00589
134	C134	679.32	106.6	9.35	0.455	0.455	1.910	0.087	0.028	0.028	0.028	0.001277	0.129	0.00589

Notes:

1) Source ID in model runs comprised of prefix "T1" or "T2" for Turbine #1 and Turbine #2 respectively, plus a suffix denoting the Case.

2) "HROFDY" option to limit emissions to 12 hours per day (8:00 AM to 8:00 PM) for all averaging times.

3) PM2.5 assumed equal to PM10.

Table 6.2D-5 - Commissioning Modeling Parameters (English Units)

Case	Source ID Suffix	Stack Exhaust Temp (ºF)	Flow (ACFM)	Velocity (ft/s)	CO 1-hour (lb/hr)	CO 8-hour (lb/hr)	NO2 1-hour (lb/hr)	NO2 Annual (lb/hr)	SO2 1-hour (lb/hr)	SO2 3-hour (lb/hr)	SO2 24-hour (lb/hr)	SO2 Annual (lb/hr)	PM10 24-hour (lb/hr)	PM10 Annual (lb/hr)
100	C100	840.3	596,000	80.94	43.90	43.90	43.47	1.98	1.00	1.00	1.00	0.0458	2.70	0.123
101	C101	863.0	544,978	74.01	16.41	16.41	37.72	1.72	0.87	0.87	0.87	0.0398	2.47	0.113
102	C102	852.5	530,476	72.05	27.40	27.40	36.24	1.65	0.84	0.84	0.84	0.0382	2.40	0.110
103	C103	845.1	515,917	70.07	26.32	26.32	34.81	1.59	0.80	0.80	0.80	0.0367	2.34	0.107
104	C104	836.8	501,126	68.06	12.61	12.61	33.37	1.52	0.77	0.77	0.77	0.0352	2.27	0.104
105	C105	827.3	485,887	65.99	13.87	13.87	31.89	1.46	0.74	0.74	0.74	0.0336	2.20	0.101
106	C106	818.4	471,000	63.97	23.03	23.03	30.47	1.39	0.70	0.70	0.70	0.0321	2.13	0.0974
107	C107	807.2	455,841	61.91	21.91	21.91	28.99	1.32	0.67	0.67	0.67	0.0306	2.07	0.0943
108	C108	798.9	441,028	59.90	10.43	10.43	27.59	1.26	0.64	0.64	0.64	0.0291	2.00	0.0912
109	C109	795.2	425,554	57.80	11.41	11.41	26.26	1.20	0.61	0.61	0.61	0.0277	1.93	0.0880
110	C110	811.8	414,097	56.24	18.64	18.64	24.65	1.13	0.57	0.57	0.57	0.0260	1.88	0.0857
111	C111	803.8	398,189	54.08	17.59	17.59	23.26	1.06	0.54	0.54	0.54	0.0246	1.80	0.0824
112	C112	798.0	381,673	51.84	8.28	8.28	21.90	1.00	0.51	0.51	0.51	0.0231	1.73	0.0790
113	C113	793.1	364,726	49.53	8.93	8.93	20.52	0.94	0.48	0.48	0.48	0.0217	1.65	0.0754
114	C114	789.1	349,490	47.47	14.55	14.55	19.22	0.88	0.44	0.44	0.44	0.0203	1.58	0.0723
115	C115	789.6	333,900	45.35	13.60	13.60	17.97	0.82	0.42	0.42	0.42	0.0190	1.51	0.0691
116	C116	794.4	317,830	43.17	6.33	6.33	16.74	0.76	0.39	0.39	0.39	0.0177	1.44	0.0657
117	C117	807.5	313,522	42.58	6.94	6.94	50.35	2.30	0.37	0.37	0.37	0.0169	1.42	0.0649
118	C118	807.8	312,057	42.38	11.99	11.99	49.59	2.26	0.37	0.37	0.37	0.0168	1.41	0.0646
119	C119	809.3	306,147	41.58	11.67	11.67	46.61	2.13	0.36	0.36	0.36	0.0163	1.39	0.0633
120	C120	810.3	300,241	40.78	5.67	5.67	43.71	2.00	0.35	0.35	0.35	0.0159	1.36	0.0621
121	C121	812.2	294,006	39.93	5.51	5.51	40.85	1.87	0.34	0.34	0.34	0.0154	1.33	0.0608
122	C122	814.0	287,530	39.05	5.34	5.34	38.03	1.74	0.33	0.33	0.33	0.0149	1.30	0.0595
123	C123	817.2	280,852	38.14	5.17	5.17	35.30	1.61	0.32	0.32	0.32	0.0145	1.27	0.0581
124	C124	820.1	274,032	37.22	5.00	5.00	32.63	1.49	0.31	0.31	0.31	0.0140	1.24	0.0567
125	C125	822.9	267,116	36.28	4.83	4.83	30.04	1.37	0.30	0.30	0.30	0.0135	1.21	0.0553
126	C126	814.6	260,818	35.42	4.64	4.64	27.40	1.25	0.28	0.28	0.28	0.0130	1.18	0.0540
127	C127	804.2	254,521	34.57	4.45	4.45	24.83	1.13	0.27	0.27	0.27	0.0124	1.15	0.0526
128	C128	794.6	248,240	33.71	4.26	4.26	22.44	1.02	0.26	0.26	0.26	0.0119	1.12	0.0514
129	C129	785.0	241,888	32.85	4.07	4.07	20.17	0.92	0.25	0.25	0.25	0.0114	1.10	0.0500
130	C130	777.3	235,587	32.00	3.89	3.89	18.12	0.83	0.24	0.24	0.24	0.0109	1.07	0.0487
131	C131	768.4	229,214	31.13	3.71	3.71	16.15	0.74	0.23	0.23	0.23	0.0104	1.04	0.0474
132	C132	763.3	225,922	30.68	3.61	3.61	15.18	0.69	0.22	0.22	0.22	0.0101	1.02	0.0467
133	C133	763.1	225,838	30.67	3.61	3.61	15.16	0.69	0.22	0.22	0.22	0.0101	1.02	0.0467
134	C134	763.1	225,838	30.67	3.61	3.61	15.16	0.69	0.22	0.22	0.22	0.0101	1.02	0.0467

Table 6.2D-6 - Operational Phase Modeling Parameters (Metric Units)

Source Description		Source ID	Source Type	UTM NAD83 Easting (m)	UTM NAD83 Northing (m)	Base Elev (m)	Stack Height (m)	Stack Exhaust Temp (K)	Flow (m³/s)	Velocity (m/s)	Diam. (m)	CO 1-hour (g/s)	CO 8-hour (g/s)	NO2 1-hour (g/s)	NO2 Annual (g/s)	SO2 1-hour (g/s)	SO2 3-hour (g/s)	SO2 24-hour (g/s)	SO2 Annual (g/s)	PM10 24-hour (g/s)	PM10 Annual (g/s)	BPIP Source ID	Source Groups
Turbine #1:	Base Load, 100%	T1BL100	POINT	489646.3	3691139.3	128.24	24.384	722.43	281.1	24.65	3.81	7.715E-01	0	5.418E-01	0	1.261E-01	0	0	0	0	0	TB1	BLBL100,BLSS100
1-Hour	Base Load, 75%	T1BL075	POINT	489646.3	3691139.3	128.24	24.384	724.48	241.8	21.21	3.81	5.443E-01	0	4.284E-01	0	1.002E-01	0	0	0	0	0	TB1	BLBL075,BLSS075
	Base Load, 50%	T1BL050	POINT	489646.3	3691139.3	128.24	24.384	710.04	201.5	17.68	3.81	4.074E-01	0	3.276E-01	0	7.507E-02	0	0	0	0	0	TB1	BLBL050,BLSS050
	Start/Stop, 100%	T1SS100	POINT	489646.3	3691139.3	128.24	24.384	722.43	281.1	24.65	3.81	1.908E+00	0	1.936E+00	0	1.232E-01	0	0	0	0	0	TB1	SSBL100,SSSS100
	Start/Stop, 75%	T1SS075	POINT	489646.3	3691139.3	128.24	24.384	724.48	241.8	21.21	3.81	1.832E+00	0	1.898E+00	0	1.027E-01	0	0	0	0	0	TB1	SSBL075,SSSS075
	Start/Stop, 50%	T1SS050	POINT	489646.3	3691139.3	128.24	24.384	710.04	201.5	17.68	3.81	1.786E+00	0	1.864E+00	0	9.432E-02	0	0	0	0	0	TB1	SSBL050,SSSS050
Turbine #2:	Base Load, 100%	T2BL100	POINT	489664.8	3691107.8	128.24	24.384	722.43	281.1	24.65	3.81	7.715E-01	0	5.418E-01	0	1.261E-01	0	0	0	0	0	TB2	BLBL100,SSBL100
1-Hour	Base Load, 75%	T2BL075	POINT	489664.8	3691107.8	128.24	24.384	724.48	241.8	21.21	3.81	5.443E-01	0	4.284E-01	0	1.002E-01	0	0	0	0	0	TB2	BLBL075,SSBL075
	Base Load, 50%	T2BL050	POINT	489664.8	3691107.8	128.24	24.384	710.04	201.5	17.68	3.81	4.074E-01	0	3.276E-01	0	7.507E-02	0	0	0	0	0	TB2	BLBL050,SSBL050
	Start/Stop, 100%	T2SS100	POINT	489664.8	3691107.8	128.24	24.384	722.43	281.1	24.65	3.81	1.908E+00	0	1.936E+00	0	1.232E-01	0	0	0	0	0	TB2	BLSS100,SSSS100
	Start/Stop, 75%	T2SS075	POINT	489664.8	3691107.8	128.24	24.384	724.48	241.8	21.21	3.81	1.832E+00	0	1.898E+00	0	1.027E-01	0	0	0	0	0	TB2	BLSS075,SSSS075
	Start/Stop, 50%	T2SS050	POINT	489664.8	3691107.8	128.24	24.384	710.04	201.5	17.68	3.81	1.786E+00	0	1.864E+00	0	9.432E-02	0	0	0	0	0	TB2	BLSS050,SSSS050
Turbine #1:	100% Load	T1LT100	POINT	489646.3	3691139.3	128.24	24.384	722.43	281.1	24.65	3.81	0	1.334E+00	0	2.547E-01	0	1.251E-01	1.239E-01	4.556E-02	3.487E-01	1.262E-01	TB1	LTLT100
Longer Than 1-	75 % Load	T1LT075	POINT	489646.3	3691139.3	128.24	24.384	724.48	241.8	21.21	3.81	0	1.175E+00	0	2.135E-01	0	1.010E-01	1.006E-01	3.668E-02	3.060E-01	1.100E-01	TB1	LTLT075
Hour	50% Load	T1LT050	POINT	489646.3	3691139.3	128.24	24.384	710.04	201.5	17.68	3.81	0	1.079E+00	0	1.769E-01	0	8.149E-02	7.796E-02	2.808E-02	2.621E-01	9.325E-02	TB1	LTLT050
Turbine #2:	100% Load	T2LT100	POINT	489664.8	3691107.8	128.24	24.384	722.43	281.1	24.65	3.81	0	1.334E+00	0	2.547E-01	0	1.251E-01	1.239E-01	4.556E-02	3.487E-01	1.262E-01	TB2	LTLT100
Longer Than 1-	75 % Load	T2LT075	POINT	489664.8	3691107.8	128.24	24.384	724.48	241.8	21.21	3.81	0	1.175E+00	0	2.135E-01	0	1.010E-01	1.006E-01	3.668E-02	3.060E-01	1.100E-01	TB2	LTLT075
Hour	50% Load	T2LT050	POINT	489664.8	3691107.8	128.24	24.384	710.04	201.5	17.68	3.81	0	1.079E+00	0	1.769E-01	0	8.149E-02	7.796E-02	2.808E-02	2.621E-01	9.325E-02	TB2	LTLT050
Black Start																							BLBL100,BLBL075,BLBL050, BLSS100,BLSS075,BLSS050, SSBL100,SSBL075,SSBL050,
	1-Hour	BSST	POINT	489615.8	3691105.0	128.24	5.842	879.26	3.1	31.54	0.36	2.331E-01	0	1.745E-01	0	1.062E-03	0	0	0	0	0	BS	SSSS100,SSSS075,SSSS050
	Longer Than 1-Hour	BSLT	POINT	489615.8	3691105.0	128.24	5.842	879.26	3.1	31.54	0.36	0	2.914E-02	0	2.789E-04	0	3.541E-04	4.427E-05	1.698E-06	2.105E-04	8.075E-06	BS	LTLT100,LTLT075,LTLT050
Fire Pump																							BLBL100,BLBL075,BLBL050, BLSS100,BLSS075,BLSS050, SSBL100,SSBL075,SSBL050,
	1-Hour	FPST	POINT	489671.6	3691147.4	128.24	5.486	764.82	0.9	50.27	0.15	3.857E-02	0	1.985E-01	0	1.186E-04	0	0	0	0	0	FP	SSSS100,SSSS075,SSSS050
	Longer Than 1-Hour	FPLT	POINT	489671.6	3691147.4	128.24	5.486	764.82	0.9	50.27	0.15	0	4.821E-03	0	1.179E-03	0	3.953E-05	4.941E-06	7.039E-07	1.960E-04	2.793E-05	FP	LTLT100,LTLT075,LTLT050
Cooling Tower	Cell 1	CELL1	POINT	489640.4	3691114.8	128.24	9.144	302.59	126.4	8.93	4.24	0	0	0	0	0	0	0	0	8.207E-03	2.998E-03	CELL1	LTLT100
	Cell 2	CELL2	POINT	489643.5	3691116.7	128.24	9.144	302.59	126.4	8.93	4.24	0	0	0	0	0	0	0	0	8.207E-03	2.998E-03	CELL2	LTLT100
	Cell 3	CELL3	POINT	489646.7	3691118.5	128.24	9.144	302.59	126.4	8.93	4.24	0	0	0	0	0	0	0	0	8.207E-03	2.998E-03	CELL3	LTLT100

Notes:
1) Source Group naming convention: First two letters indicate Turbine #1's mode (BS = Base Load, SS = Start/Stop, LT = Longer Than 1-Hour).
Likewise, next two letters likewise indicate Turbine #2's mode. Numbers indicate Load percentage.
2) Cooling Tower only used for 100% Load.
3) PM2.5 assumed equal to PM10.

Table 6.2D-7 - Operational Phase Modeling Parameters (English Units)

Source Description		Source ID	Source Type	UTM NAD83 Easting (m)	UTM NAD83 Northing (m)	Base Elev (ft)	Stack Height (ft)	Stack Exhaust Temp (ºF)	Flow (ACFM)	Velocity (ft/s)	Diam. (ft)	CO 1-hour (lb/hr)	CO 8-hour (lb/hr)	NO2 1-hour (lb/hr)	NO2 Annual (lb/hr)	SO2 1-hour (lb/hr)	SO2 3-hour (lb/hr)	SO2 24-hour (lb/hr)	SO2 Annual (lb/hr)	PM10 24-hour (lb/hr)	PM10 Annual (lb/hr)	BPIP Source ID	Source Groups
Turbine #1:	Base Load, 100%	T1BL100	POINT	489646.3	3691139.3	420.75	80.0	840.7	595,551	80.88	12.5	6.12	0	4.30	0	1.00	0	0	0	0	0	TB1	BLBL100,BLSS100
1-Hour	Base Load, 75%	T1BL075	POINT	489646.3	3691139.3	420.75	80.0	844.4	512,439	69.60	12.5	4.32	0	3.40	0	0.80	0	0	0	0	0	TB1	BLBL075,BLSS075
	Base Load, 50%	T1BL050	POINT	489646.3	3691139.3	420.75	80.0	818.4	427,045	58.00	12.5	3.23	0	2.60	0	0.60	0	0	0	0	0	TB1	BLBL050,BLSS050
	Start/Stop, 100%	T1SS100	POINT	489646.3	3691139.3	420.75	80.0	840.7	595,551	80.88	12.5	15.14	0	15.36	0	0.98	0	0	0	0	0	TB1	SSBL100,SSSS100
	Start/Stop, 75%	T1SS075	POINT	489646.3	3691139.3	420.75	80.0	844.4	512,439	69.60	12.5	14.54	0	15.06	0	0.82	0	0	0	0	0	TB1	SSBL075,SSSS075
	Start/Stop, 50%	T1SS050	POINT	489646.3	3691139.3	420.75	80.0	818.4	427,045	58.00	12.5	14.18	0	14.80	0	0.75	0	0	0	0	0	TB1	SSBL050,SSSS050
Turbine #2:	Base Load, 100%	T2BL100	POINT	489664.8	3691107.8	420.75	80.0	840.7	595,551	80.88	12.5	6.12	0	4.30	0	1.00	0	0	0	0	0	TB2	BLBL100,SSBL100
1-Hour	Base Load, 75%	T2BL075	POINT	489664.8	3691107.8	420.75	80.0	844.4	512,439	69.60	12.5	4.32	0	3.40	0	0.80	0	0	0	0	0	TB2	BLBL075,SSBL075
	Base Load, 50%	T2BL050	POINT	489664.8	3691107.8	420.75	80.0	818.4	427,045	58.00	12.5	3.23	0	2.60	0	0.60	0	0	0	0	0	TB2	BLBL050,SSBL050
	Start/Stop, 100%	T2SS100	POINT	489664.8	3691107.8	420.75	80.0	840.7	595,551	80.88	12.5	15.14	0	15.36	0	0.98	0	0	0	0	0	TB2	BLSS100,SSSS100
	Start/Stop, 75%	T2SS075	POINT	489664.8	3691107.8	420.75	80.0	844.4	512,439	69.60	12.5	14.54	0	15.06	0	0.82	0	0	0	0	0	TB2	BLSS075,SSSS075
	Start/Stop, 50%	T2SS050	POINT	489664.8	3691107.8	420.75	80.0	818.4	427,045	58.00	12.5	14.18	0	14.80	0	0.75	0	0	0	0	0	TB2	BLSS050,SSSS050
Turbine #1:	100% Load	T1LT100	POINT	489646.3	3691139.3	420.75	80.0	840.7	595,551	80.88	12.5	0	10.59	0	2.02	0	0.99	0.98	0.36	2.77	1.00	TB1	LTLT100
Longer Than 1-	75 % Load	T1LT075	POINT	489646.3	3691139.3	420.75	80.0	844.4	512,439	69.60	12.5	0	9.32	0	1.69	0	0.80	0.80	0.29	2.43	0.87	TB1	LTLT075
Hour	50% Load	T1LT050	POINT	489646.3	3691139.3	420.75	80.0	818.4	427,045	58.00	12.5	0	8.56	0	1.40	0	0.65	0.62	0.22	2.08	0.74	TB1	LTLT050
Turbine #2:	100% Load	T2LT100	POINT	489664.8	3691107.8	420.75	80.0	840.7	595,551	80.88	12.5	0	10.59	0	2.02	0	0.99	0.98	0.36	2.77	1.00	TB2	LTLT100
Longer Than 1-	75 % Load	T2LT075	POINT	489664.8	3691107.8	420.75	80.0	844.4	512,439	69.60	12.5	0	9.32	0	1.69	0	0.80	0.80	0.29	2.43	0.87	TB2	LTLT075
Hour	50% Load	T2LT050	POINT	489664.8	3691107.8	420.75	80.0	818.4	427,045	58.00	12.5	0	8.56	0	1.40	0	0.65	0.62	0.22	2.08	0.74	TB2	LTLT050
Black Start																							BLBL100,BLBL075,BLBL050, BLSS100,BLSS075,BLSS050, SSBL100,SSBL075,SSBL050,
	1-Hour	BSST	POINT	489615.8	3691105.0	420.75	19.17	1123.0	6,637	103.5	1.17	1.85	0	1.38	0	0.01	0	0	0	0	0	BS	SSSS100,SSSS075,SSSS050
	Longer Than 1-Hour	BSLT	POINT	489615.8	3691105.0	420.75	19.17	1123.0	6,637	103.5	1.17	0	0.23	0	0.00221	0	0.00281	0.00035	0.00001	0.00167	0.00006	BS	LTLT100,LTLT075,LTLT050
Fire Pump																							BLBL100,BLBL075,BLBL050, BLSS100,BLSS075,BLSS050, SSBL100,SSBL075,SSBL050,
	1-Hour	FPST	POINT	489671.6	3691147.4	420.75	18.0	917.0	1,943	164.9	0.50	0.31	0	1.58	0	0.00	0	0	0	0	0	FP	SSSS100,SSSS075,SSSS050
	Longer Than 1-Hour	FPLT	POINT	489671.6	3691147.4	420.75	18.0	917.0	1,943	164.9	0.50	0	0.0383	0	0.00935	0	0.00031	0.00004	0.00001	0.00156	0.00022	FP	LTLT100,LTLT075,LTLT050
Cooling Tower	Cell 1	CELL1	POINT	489640.4	3691114.8	420.75	30.0	85.0	267,880	29.31	13.93	0	0	0	0	0	0	0	0	0.065	0.024	CELL1	LTLT100
	Cell 2	CELL2	POINT	489643.5	3691116.7	420.75	30.0	85.0	267,880	29.31	13.93	0	0	0	0	0	0	0	0	0.065	0.024	CELL2	LTLT100
	Cell 3	CELL3	POINT	489646.7	3691118.5	420.75	30.0	85.0	267,880	29.31	13.93	0	0	0	0	0	0	0	0	0.065	0.024	CELL3	LTLT100