APPENDIX 5.1B

Modeling Analysis

TRAVIS AIR FORCE BASE, 2003-2007
WIND FREQUENCY DISTRIBUTIONS

2003: ANNUAL
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	18	17	96	68	47	46	22	19	35	368
NNE	0	29	117	125	78	40	13	8	17	427
NE	5	60	104	73	34	12	4	2	0	294
ENE	5	52	72	40	8	3	0	0	0	180
E	2	40	37	19	5	1	2	0	0	106
ESE	2	20	22	10	2	1	0	0	0	57
SE	0	21	25	5	3	3	0	0	16	73
SSE	1	21	40	21	9	8	8	4	8	120
S	1	26	34	29	21	11	12	13	17	164
SSW	3	22	47	44	46	42	15	21	24	264
SW	0	34	106	121	175	183	197	141	211	1168
WSW	3	36	137	226	296	422	540	562	1387	3609
W	4	20	81	92	56	56	59	46	82	496
WNW	1	15	19	16	7	7	9	0	7	81
NW	1	22	26	10	9	4	3	3	3	81
NNW	2	18	33	29	16	14	16	13	4	145
Sub-Total:	48	453	996	928	812	853	900	832	1811	7633

Average Wind Speed: 5.83 m/s

2003: FIRST QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	4	2	34	22	14	19	11	13	32	151
NNE	0	15	52	55	33	21	6	5	15	202
NE	3	27	43	30	16	6	3	1	0	129
ENE	4	28	34	19	7	3	0	0	0	95
E	2	22	26	13	4	1	2	0	0	70
ESE	2	13	16	6	0	1	0	0	0	38
SE	0	11	16	2	1	0	0	0	0	30
SSE	0	14	16	8	0	2	3	2	3	48
S	1	10	12	11	4	1	4	4	5	52
SSW	0	6	17	15	14	8	3	4	6	73
SW	0	14	34	38	50	50	45	22	31	284
WSW	2	19	30	35	63	58	53	45	112	417
W	1	9	28	16	10	10	6	4	8	92
WNW	1	9	5	8	2	4	4	0	1	34
NW	1	9	9	3	1	2	2	2	0	29
NNW	1	8	13	8	7	8	8	7	3	63
Sub-Total:	22	216	385	289	226	194	150	109	216	1807

Average Wind Speed: 4.44 m/s

2003: SECOND QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	2	5	1	4	4	8	4	1	0	29
NNE	0	1	1	5	7	2	2	0	0	18
NE	1	4	4	1	1	0	0	0	0	11
ENE	0	4	4	0	0	0	0	0	0	8
E	0	5	2	1	1	0	0	0	0	9
ESE	0	1	2	1	2	0	0	0	0	6
SE	0	5	0	0	2	2	0	0	1	10
SSE	0	1	4	1	3	2	1	0	1	13
S	0	3	10	3	5	3	1	4	8	37
SSW	1	4	7	6	16	18	5	8	9	74
SW	0	7	22	34	52	69	77	62	96	419
WSW	0	5	32	65	70	103	129	153	615	1172
W	0	3	14	18	13	14	20	12	41	135
WNW	0	2	6	3	1	0	1	0	6	19
NW	0	2	0	2	2	0	0	0	1	7
NNW	1	3	4	2	3	3	4	4	1	25
Sub-Total:	5	55	113	146	182	224	244	244	779	1992

Average Wind Speed: 7.23 m/s

2003: THIRD QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	3	2	4	1	5	9	4	2	3	33
NNE	0	0	5	3	7	4	1	2	2	24
NE	0	0	4	3	1	0	0	1	0	9
ENE	0	0	0	3	0	0	0	0	0	3
E	0	0	1	0	0	0	0	0	0	1
ESE	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	1	1
SSE	0	0	0	0	0	0	0	0	0	0
S	0	0	1	0	0	0	0	0	0	1
SSW	0	1	7	2	1	2	0	0	1	14
SW	0	5	14	21	30	40	52	36	70	268
WSW	0	3	26	69	103	207	286	304	531	1529
W	1	2	19	30	22	20	21	22	23	160
WNW	0	1	3	3	1	1	0	0	0	9
NW	0	1	4	2	0	0	0	0	0	7
NNW	0	1	0	1	1	1	1	1	0	6
Sub-Total:	4	16	88	138	171	284	365	368	631	2065

Average Wind Speed: 6.95 m/s

2003: FOURTH QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	9	8	57	41	24	10	3	3	0	155
NNE	0	13	59	62	31	13	4	1	0	183
NE	1	29	53	39	16	6	1	0	0	145
ENE	1	20	34	18	1	0	0	0	0	74
E	0	13	8	5	0	0	0	0	0	26
ESE	0	6	4	3	0	0	0	0	0	13
SE	0	5	9	3	0	1	0	0	14	32
SSE	1	6	20	12	6	4	4	2	4	59
S	0	13	11	15	12	7	7	5	4	74
SSW	2	11	16	21	15	14	7	9	8	103
SW	0	8	36	28	43	24	23	21	14	197
WSW	1	9	49	57	60	54	72	60	129	491
W	2	6	20	28	11	12	12	8	10	109
WNW	0	3	5	2	3	2	4	0	0	19
NW	0	10	13	3	6	2	1	1	2	38
NNW	0	6	16	18	5	2	3	1	0	51
Sub-Total:	17	166	410	355	233	151	141	111	185	1769

Average Wind Speed: 4.35 m/s

2004: ANNUAL
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	108	31	111	84	43	55	49	52	114	647
NNE	8	56	86	75	55	37	22	15	25	379
NE	5	54	120	78	41	8	5	0	0	311
ENE	7	46	74	45	10	4	1	0	0	187
E	3	40	41	20	3	2	0	0	0	109
ESE	4	17	38	11	5	1	1	0	0	77
SE	2	28	41	19	9	8	12	7	39	165
SSE	1	42	32	22	20	11	18	10	31	187
S	2	29	46	45	25	14	15	11	13	200
SSW	5	36	60	55	59	53	26	22	36	352
SW	2	45	83	141	220	245	256	296	1349	2637
WSW	3	29	82	113	140	155	132	155	1147	1956
W	2	21	28	29	27	22	10	5	8	152
WNW	4	18	25	10	7	8	2	0	0	74
NW	1	19	33	17	13	5	6	3	6	103
NNW	2	40	45	35	29	19	34	30	56	290
Sub-Total:	159	551	945	799	706	647	589	606	2824	7826

Average Wind Speed: 6.46 m/s

2004: FIRST QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	3	7	59	44	13	19	11	11	15	182
NNE	2	18	46	30	21	18	10	2	1	148
NE	3	23	58	32	21	5	1	0	0	143
ENE	3	19	42	28	4	1	0	0	0	97
E	1	15	16	5	0	0	0	0	0	37
ESE	0	4	15	8	1	0	0	0	0	28
SE	1	13	22	9	3	1	2	1	3	55
SSE	0	16	19	10	13	1	6	0	17	82
S	0	11	25	25	11	6	8	8	12	106
SSW	1	10	30	20	21	26	8	8	17	141
SW	1	11	23	36	52	35	37	33	89	317
WSW	1	6	20	41	36	33	25	18	84	264
W	0	5	12	13	13	11	6	3	4	67
WNW	0	3	16	7	4	7	1	0	0	38
NW	0	6	18	9	7	2	3	2	1	48
NNW	0	15	27	21	14	7	14	7	27	132
Sub-Total:	16	182	448	338	234	172	132	93	270	1885

Average Wind Speed: 4.61m/s

2004: SECOND QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	0	1	4	6	4	6	6	4	18	49
NNE	0	2	2	5	4	1	1	1	3	19
NE	1	1	1	3	0	0	0	0	0	6
ENE	0	0	0	0	0	0	0	0	0	0
E	0	0	1	1	0	0	0	0	0	2
ESE	0	1	2	0	0	0	0	0	0	3
SE	0	0	2	2	0	0	0	0	0	4
SSE	0	4	1	2	2	0	0	1	0	10
S	0	1	5	3	3	1	1	0	0	14
SSW	0	1	6	14	11	16	7	7	13	75
SW	0	4	10	28	57	94	113	141	657	1104
WSW	1	1	13	18	30	50	44	53	482	692
W	0	1	4	4	8	4	4	0	2	27
WNW	0	5	2	1	3	1	1	0	0	13
NW	0	0	6	4	4	3	3	0	5	25
NNW	0	2	3	5	6	6	9	16	14	61
Sub-Total:	2	24	62	96	132	182	189	223	1194	2104

Average Wind Speed: 8.37 m/s

2004: THIRD QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	13	2	7	5	8	8	8	5	15	71
NNE	1	4	5	3	3	6	3	3	2	30
NE	0	2	6	5	1	1	0	0	0	15
ENE	0	0	2	1	0	0	0	0	0	3
E	0	1	2	0	0	0	0	0	0	3
ESE	0	1	0	0	0	0	0	0	0	1
SE	0	0	0	0	0	0	0	0	0	0
SSE	0	1	0	0	0	1	0	0	0	2
S	0	2	0	4	2	0	1	0	0	9
SSW	0	4	6	4	8	7	2	2	4	37
SW	0	5	20	23	41	76	70	102	558	895
WSW	0	3	17	20	42	41	49	62	546	780
W	0	1	4	8	2	5	0	2	2	24
WNW	0	0	1	0	0	0	0	0	0	1
NW	0	3	1	2	0	0	0	0	0	6
NNW	0	5	4	8	2	0	5	4	5	33
Sub-Total:	14	34	75	83	109	145	138	180	1132	1910

Average Wind Speed: 8.54 m/s

2004: FOURTH QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	92	21	41	29	18	22	24	32	66	345
NNE	5	32	33	37	27	12	8	9	19	182
NE	1	28	55	38	19	2	4	0	0	147
ENE	4	27	30	16	6	3	1	0	0	87
E	2	24	22	14	3	2	0	0	0	67
ESE	4	11	21	3	4	1	1	0	0	45
SE	1	15	17	8	6	7	10	6	36	106
SSE	1	21	12	10	5	9	12	9	14	93
S	2	15	16	13	9	7	5	3	1	71
SSW	4	21	18	17	19	4	9	5	2	99
SW	1	25	30	54	70	40	36	20	45	321
WSW	1	19	32	34	32	31	14	22	35	220
W	2	14	8	4	4	2	0	0	0	34
WNW	4	10	6	2	0	0	0	0	0	22
NW	1	10	8	2	2	0	0	1	0	24
NNW	2	18	11	1	7	6	6	3	10	64
Sub-Total:	127	311	360	282	231	148	130	110	228	1927

Average Wind Speed: 4.12 m/s

2005: ANNUAL
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	150	49	70	73	52	46	39	32	70	581
NNE	11	61	94	97	55	45	35	23	20	441
NE	6	50	89	111	37	18	9	3	2	325
ENE	9	48	76	67	11	5	0	0	0	216
E	3	43	62	37	5	0	0	0	0	150
ESE	4	35	30	18	5	4	2	5	3	106
SE	8	45	45	28	26	16	8	10	24	210
SSE	5	40	35	22	15	13	8	6	18	162
S	3	42	41	37	18	8	8	5	4	166
SSW	11	31	90	65	43	43	16	8	28	335
SW	4	71	157	235	319	374	349	325	760	2594
WSW	12	72	116	182	229	272	297	290	803	2273
W	11	44	34	37	23	17	23	15	18	222
WNW	7	22	15	4	0	2	2	0	0	52
NW	10	28	36	10	4	1	1	0	1	91
NNW	7	34	40	26	11	16	7	8	17	166
Sub-Total:	261	715	1030	1049	853	880	804	730	1768	8090

Average Wind Speed: 5.34 m/s

2005: FIRST QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	62	16	31	33	22	18	23	14	20	239
NNE	3	31	58	51	28	24	19	12	7	233
NE	3	19	50	63	18	4	8	1	1	167
ENE	5	31	45	55	10	2	0	0	0	148
E	3	29	38	31	4	0	0	0	0	105
ESE	3	19	19	10	2	2	1	3	2	61
SE	3	20	20	12	14	5	1	5	11	91
SSE	5	20	15	10	7	2	1	1	11	72
S	0	22	21	11	9	5	2	0	3	73
SSW	4	10	32	23	22	12	5	1	4	113
SW	0	24	40	70	56	43	25	12	18	288
WSW	6	29	35	30	34	26	25	24	29	238
W	6	15	9	5	4	1	3	5	1	49
WNW	6	9	6	1	0	0	1	0	0	23
NW	3	12	8	4	1	0	0	0	0	28
NNW	5	15	17	10	1	4	1	0	0	53
Sub-Total:	117	321	444	419	232	148	115	78	107	1981

Average Wind Speed: 3.57 m/s

2005: SECOND QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	3	4	9	16	10	3	2	5	16	68
NNE	1	6	6	2	3	0	0	0	0	18
NE	1	3	6	5	2	0	0	0	0	17
ENE	0	3	1	0	1	0	0	0	0	5
E	0	1	2	0	0	0	0	0	0	3
ESE	0	2	3	2	0	0	0	0	0	7
SE	2	7	8	2	3	2	3	0	0	27
SSE	0	4	6	1	3	3	0	0	0	17
S	1	9	5	6	4	2	2	0	0	29
SSW	3	2	24	20	12	14	5	3	11	94
SW	1	10	54	85	144	166	149	115	195	919
WSW	1	5	30	73	100	101	117	130	215	772
W	2	6	11	18	7	9	14	3	12	82
WNW	0	6	2	3	0	1	0	0	0	12
NW	0	1	3	0	1	0	1	0	0	6
NNW	1	3	4	6	3	2	2	2	2	25
Sub-Total:	16	72	174	239	293	303	295	258	451	2101

Average Wind Speed: 5.85 m/s

2005: THIRD QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	5	1	3	3	0	2	4	3	0	21
NNE	0	1	4	7	4	3	4	5	2	30
NE	0	2	5	6	3	1	0	0	0	17
ENE	0	1	0	0	0	0	0	0	0	1
E	0	0	1	0	0	0	0	0	0	1
ESE	0	0	0	1	0	0	0	0	0	1
SE	0	0	2	0	1	0	0	0	0	3
SSE	0	2	0	0	1	0	0	1	0	4
S	0	3	3	2	0	0	0	0	1	9
SSW	2	3	5	5	7	7	3	1	7	40
SW	2	7	20	40	49	106	132	170	510	1036
WSW	0	6	15	42	50	93	116	111	467	900
W	0	0	3	7	4	1	4	4	1	24
WNW	0	1	0	0	0	0	0	0	0	1
NW	0	2	3	1	1	1	0	0	0	8
NNW	0	2	4	1	2	5	0	3	1	18
Sub-Total:	9	31	68	115	122	219	263	298	989	2114

Average Wind Speed: 7.56 m/s

2005: FOURTH QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	80	28	27	21	20	23	10	10	34	253
NNE	7	23	26	37	20	18	12	6	11	160
NE	2	26	28	37	14	13	1	2	1	124
ENE	4	13	30	12	0	3	0	0	0	62
E	0	13	21	6	1	0	0	0	0	41
ESE	1	14	8	5	3	2	1	2	1	37
SE	3	18	15	14	8	9	4	5	13	89
SSE	0	14	14	11	4	8	7	4	7	69
S	2	8	12	18	5	1	4	5	0	55
SSW	2	16	29	17	2	10	3	3	6	88
SW	1	30	43	40	70	59	43	28	37	351
WSW	5	32	36	37	45	52	39	25	92	363
W	3	23	11	7	8	6	2	3	4	67
WNW	1	6	7	0	0	1	1	0	0	16
NW	7	13	22	5	1	0	0	0	1	49
NNW	1	14	15	9	5	5	4	3	14	70
Sub-Total:	119	291	344	276	206	210	131	96	221	1894

Average Wind Speed: 4.16 m/s

2006: ANNUAL
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	212	39	70	68	45	40	29	27	86	616
NNE	4	51	80	80	63	35	23	18	19	373
NE	1	47	84	60	43	16	8	5	6	270
ENE	6	33	63	24	12	4	0	1	0	143
E	3	34	28	7	5	4	0	0	0	81
ESE	1	18	27	19	4	3	1	0	2	75
SE	3	25	40	34	33	23	15	12	19	204
SSE	0	33	52	30	33	26	15	11	16	216
S	1	40	67	48	31	11	10	5	4	217
SSW	2	56	127	134	85	52	27	14	26	523
SW	11	63	200	275	327	379	345	394	934	2928
WSW	5	65	112	192	211	203	222	208	601	1819
W	6	43	32	33	22	24	11	6	16	193
WNW	7	27	29	11	3	6	2	3	1	89
NW	6	34	42	15	9	3	3	2	1	115
NNW	5	34	35	30	19	17	24	15	26	205
Sub-Total:	273	642	1088	1060	945	846	735	721	1757	8067

Average Wind Speed: 5.33 m/s

2006: FIRST QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	64	16	24	22	12	14	12	6	21	191
NNE	3	20	18	24	17	17	7	4	10	120
NE	1	25	32	27	16	7	4	2	2	116
ENE	4	13	34	7	6	3	0	0	0	67
E	2	21	16	4	3	1	0	0	0	47
ESE	1	8	17	5	3	1	0	0	0	35
SE	1	10	20	21	21	16	9	8	13	119
SSE	0	9	33	21	26	19	7	9	13	137
S	0	16	32	28	14	8	6	2	2	108
SSW	2	21	48	59	26	15	8	10	6	195
SW	5	31	52	70	57	42	20	12	20	309
WSW	3	23	23	47	34	37	25	20	24	236
W	0	15	11	10	10	8	8	0	5	67
WNW	1	6	9	2	1	2	1	2	0	24
NW	1	8	17	7	6	2	1	0	0	42
NNW	3	15	18	13	2	7	7	4	1	70
Sub-Total:	91	257	404	367	254	199	115	79	117	1883

Average Wind Speed: 3.8 m/s

2006: SECOND QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	17	4	9	10	7	7	3	1	0	58
NNE	0	1	6	7	8	4	5	1	0	32
NE	0	2	7	3	4	1	0	0	0	17
ENE	0	2	4	3	3	0	0	0	0	12
E	1	2	4	2	0	0	0	0	0	9
ESE	0	0	2	3	0	0	0	0	0	5
SE	1	2	8	3	4	4	0	0	4	26
SSE	0	10	5	4	3	1	2	0	2	27
S	0	6	15	7	6	1	0	0	0	35
SSW	0	14	22	22	26	20	9	1	10	124
SW	1	8	53	83	116	176	164	184	300	1085
WSW	0	6	32	52	74	63	101	89	177	594
W	0	9	3	8	5	8	2	3	1	39
WNW	3	3	2	0	0	0	0	1	0	9
NW	1	2	3	0	0	0	0	0	0	6
NNW	0	5	4	6	4	1	0	0	1	21
Sub-Total:	24	76	179	213	260	286	286	280	495	2099

Average Wind Speed: 5.97 m/s

2006: THIRD QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	7	3	4	3	7	6	4	10	31	75
NNE	1	4	10	6	9	4	1	3	3	41
NE	0	4	8	4	2	0	0	0	0	18
ENE	0	4	1	0	0	0	0	0	0	5
E	0	0	1	0	0	0	0	0	0	1
ESE	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0
S	0	3	2	3	2	0	0	0	0	10
SSW	0	0	6	14	6	9	6	2	10	53
SW	1	9	35	63	74	100	133	173	555	1143
WSW	1	9	21	44	54	76	73	78	355	711
W	0	4	4	4	1	1	1	0	4	19
WNW	1	5	3	0	0	0	0	0	0	9
NW	0	3	1	2	0	1	0	0	0	7
NNW	0	3	1	0	4	1	2	2	7	20
Sub-Total:	11	51	97	143	159	198	220	268	965	2112

Average Wind Speed: 7.4 m/s

2006: FOURTH QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	124	16	33	33	19	13	10	10	34	292
NNE	0	26	46	43	29	10	10	10	6	180
NE	0	16	37	26	21	8	4	3	4	119
ENE	2	14	24	14	3	1	0	1	0	59
E	0	11	7	1	2	3	0	0	0	24
ESE	0	10	8	11	1	2	1	0	2	35
SE	1	13	12	10	8	3	6	4	2	59
SSE	0	14	14	5	4	6	6	2	1	52
S	1	15	18	10	9	2	4	3	2	64
SSW	0	21	51	39	27	8	4	1	0	151
SW	4	15	60	59	80	61	28	25	59	391
WSW	1	27	36	49	49	27	23	21	45	278
W	6	15	14	11	6	7	0	3	6	68
WNW	2	13	15	9	2	4	1	0	1	47
NW	4	21	21	6	3	0	2	2	1	60
NNW	2	11	12	11	9	8	15	9	17	94
Sub-Total:	147	258	408	337	272	163	114	94	180	1973

Average Wind Speed: 3.88 m/s

2007: ANNUAL
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	449	31	68	59	55	65	52	50	136	965
NNE	0	28	76	87	49	55	41	30	57	423
NE	0	24	50	55	34	23	8	7	4	205
ENE	0	14	42	29	12	6	0	0	0	103
E	0	21	32	16	9	2	0	0	0	80
ESE	0	15	30	5	7	2	2	0	1	62
SE	0	26	26	28	18	11	11	10	14	144
SSE	0	19	24	23	7	6	1	2	2	84
S	0	28	55	41	18	20	3	0	3	168
SSW	0	31	77	104	82	49	32	20	26	421
SW	0	64	130	200	277	284	380	443	1622	3400
WSW	0	46	121	136	147	157	174	191	578	1550
W	0	32	53	28	27	25	9	13	19	206
WNW	0	25	32	12	10	8	3	6	2	98
NW	0	34	37	29	12	4	4	0	3	123
NNW	1	32	50	40	15	20	14	17	44	233
Sub-Total:	450	470	903	892	779	737	734	789	2511	8265

Average Wind Speed: 5.94 m/s

2007: FIRST QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	186	14	27	20	14	27	15	13	47	363
NNE	0	12	41	31	23	17	5	3	10	142
NE	0	12	29	30	18	16	4	2	1	112
ENE	0	10	21	21	6	2	0	0	0	60
E	0	7	14	10	7	2	0	0	0	40
ESE	0	11	15	1	3	1	0	0	0	31
SE	0	12	12	12	6	7	5	5	1	60
SSE	0	9	9	10	2	4	0	1	1	36
S	0	10	20	15	11	16	2	0	3	77
SSW	0	15	26	32	27	15	13	6	3	137
SW	0	21	50	65	95	49	52	34	67	433
WSW	0	18	35	41	45	42	41	32	59	313
W	0	13	19	15	8	7	3	4	6	75
WNW	0	11	11	3	7	3	2	3	1	41
NW	0	12	13	12	6	2	3	0	0	48
NNW	1	13	21	13	3	9	3	6	27	96
Sub-Total:	187	200	363	331	281	219	148	109	226	2064

Average Wind Speed: 4.16 m/s

2007: SECOND QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	35	0	5	7	11	9	12	17	40	136
NNE	0	0	2	4	5	11	5	11	17	55
NE	0	0	1	1	4	1	0	3	1	11
ENE	0	1	0	0	3	1	0	0	0	5
E	0	0	1	1	2	0	0	0	0	4
ESE	0	0	0	0	0	0	0	0	0	0
SE	0	2	3	2	1	0	0	0	0	8
SSE	0	3	4	0	1	0	0	0	0	8
S	0	3	2	4	0	0	0	0	0	9
SSW	0	4	9	19	20	18	9	6	6	91
SW	0	6	26	34	58	89	145	173	603	1134
WSW	0	3	14	33	44	46	52	74	248	514
W	0	0	9	5	6	6	3	8	8	45
WNW	0	4	3	2	1	0	1	3	1	15
NW	0	2	0	3	0	0	0	0	0	5
NNW	0	2	3	7	4	2	3	4	8	33
Sub-Total:	35	30	82	122	160	183	230	299	932	2073

Average Wind Speed: 7.5 m/s

2007: THIRD QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	35	1	10	5	5	1	5	1	4	67
NNE	0	1	4	7	4	2	3	2	3	26
NE	0	2	1	7	0	0	2	0	0	12
ENE	0	0	4	2	0	0	0	0	0	6
E	0	1	0	0	0	0	0	0	0	1
ESE	0	0	1	0	1	0	0	0	0	2
SE	0	1	1	0	0	0	0	0	0	2
SSE	0	0	0	3	0	0	0	0	1	4
S	0	4	5	5	1	0	0	0	0	15
SSW	0	2	12	16	8	6	2	3	15	64
SW	0	7	18	24	32	67	121	191	881	1341
WSW	0	5	15	17	28	33	66	68	246	478
W	0	1	3	2	3	3	0	1	3	16
WNW	0	2	2	1	0	0	0	0	0	5
NW	0	1	2	3	0	0	0	0	1	7
NNW	0	4	2	2	1	0	0	2	2	13
Sub-Total:	35	32	80	94	83	112	199	268	1156	2059

Average Wind Speed: 8.06 m/s

2007: FOURTH QUARTER
WIND SPEEDS AT 10METERS HEIGHT (m/s)

SECTOR	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	>=8	TOTAL
N	193	16	26	27	25	28	20	19	45	399
NNE	0	15	29	45	17	25	28	14	27	200
NE	0	10	19	17	12	6	2	2	2	70
ENE	0	3	17	6	3	3	0	0	0	32
E	0	13	17	5	0	0	0	0	0	35
ESE	0	4	14	4	3	1	2	0	1	29
SE	0	11	10	14	11	4	6	5	13	74
SSE	0	7	11	10	4	2	1	1	0	36
S	0	11	28	17	6	4	1	0	0	67
SSW	0	10	30	37	27	10	8	5	2	129
SW	0	30	36	77	92	79	62	45	71	492
WSW	0	20	57	45	30	36	15	17	25	245
W	0	18	22	6	10	9	3	0	2	70
WNW	0	8	16	6	2	5	0	0	0	37
NW	0	19	22	11	6	2	1	0	2	63
NNW	0	13	24	18	7	9	8	5	7	91
Sub-Total:	193	208	378	345	255	223	157	113	197	2069

Average Wind Speed: 4.04 m/s

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Figure 5.1B-2a

Quarterly Wind Rose

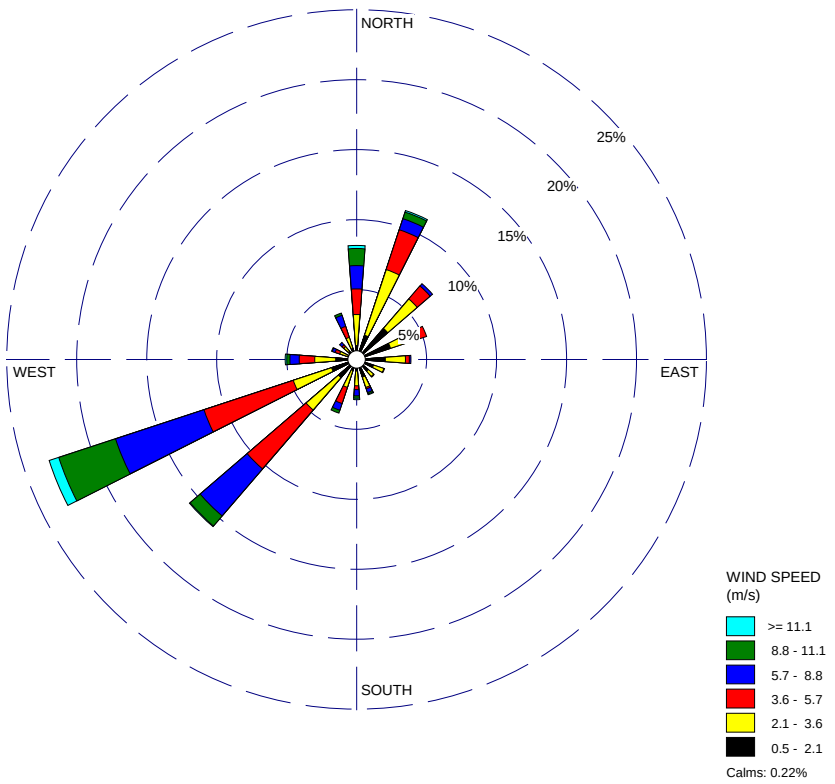
First Quarter 2003

WIND ROSE PLOT:

Travis AFB, CA - First Quarter, 2003
January 1, 2003 through March 31, 2003

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2003 **Jan 1 - Mar 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.22%**	TOTAL COUNT: **1807 hrs.**	
	AVG. WIND SPEED: **4.44 m/s**	DATE: **8/15/2008**	PROJECT NO.:

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Figure 5.1B-2b

Quarterly Wind Rose

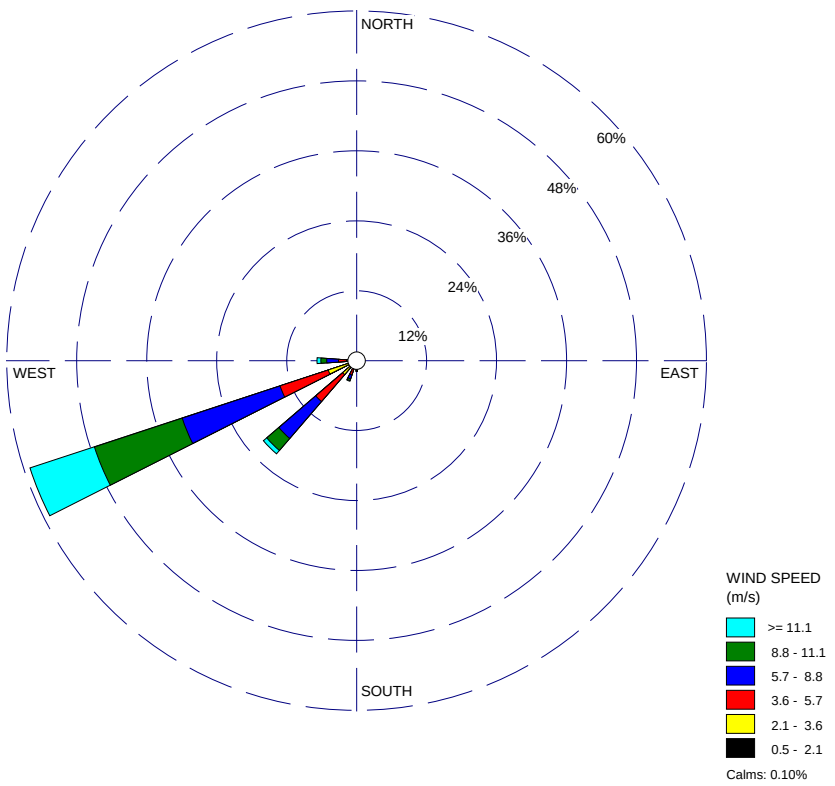
Second Quarter 2003

WIND ROSE PLOT:

Travis AFB, CA - Second Quarter, 2003
April 1, 2003 through June 30, 2003

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2003 **Apr 1 - Jun 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.10%**	TOTAL COUNT: **1992 hrs.**	
	AVG. WIND SPEED: **7.23 m/s**	DATE: **8/15/2008**	PROJECT NO.:

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Figure 5.1B-2c

Quarterly Wind Rose

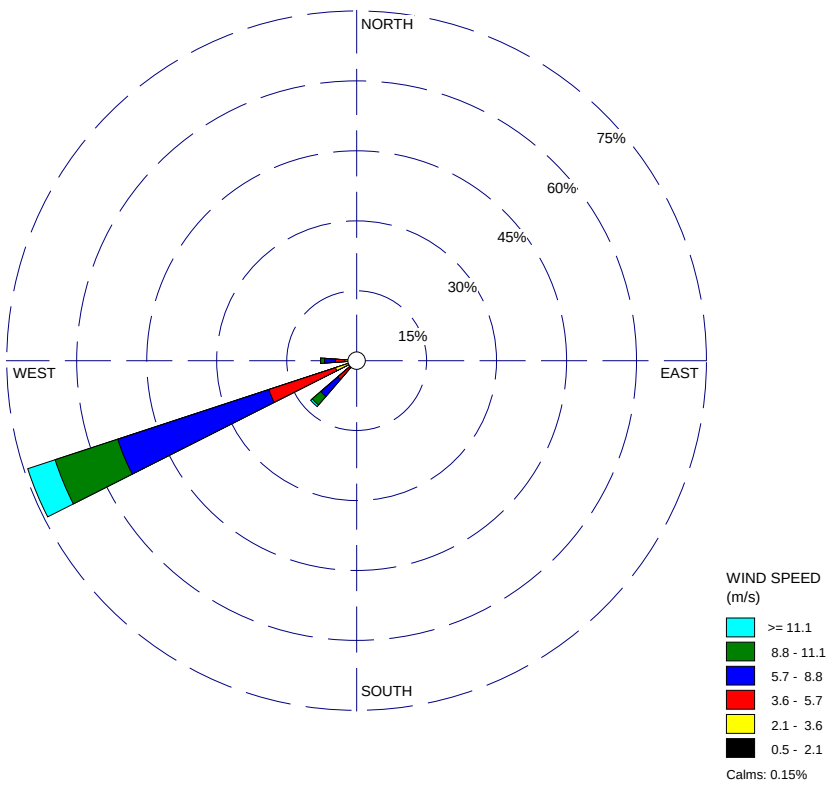
Third Quarter 2003

WIND ROSE PLOT:

Travis AFB, CA - Third Quarter, 2003
July 1, 2003 through September 30, 2003

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2003 **Jul 1 - Sep 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.15%**	TOTAL COUNT: **2065 hrs.**	
	AVG. WIND SPEED: **6.95 m/s**	DATE: **8/15/2008**	PROJECT NO.:

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Figure 5.1B-2d

Quarterly Wind Rose

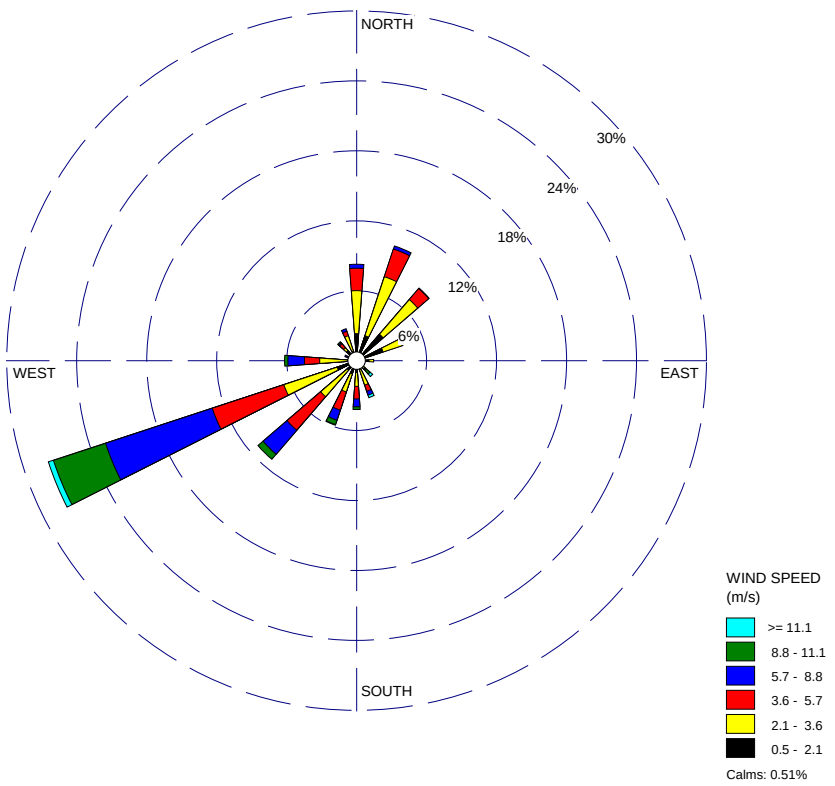
Fourth Quarter 2003

WIND ROSE PLOT:

Travis AFB, CA - Fourth Quarter, 2003
October 1, 2003 through December 31, 2003

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2003 **Oct 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.51%**	TOTAL COUNT: **1769 hrs.**	
	AVG. WIND SPEED: **4.35 m/s**	DATE: **8/15/2008**	PROJECT NO.:

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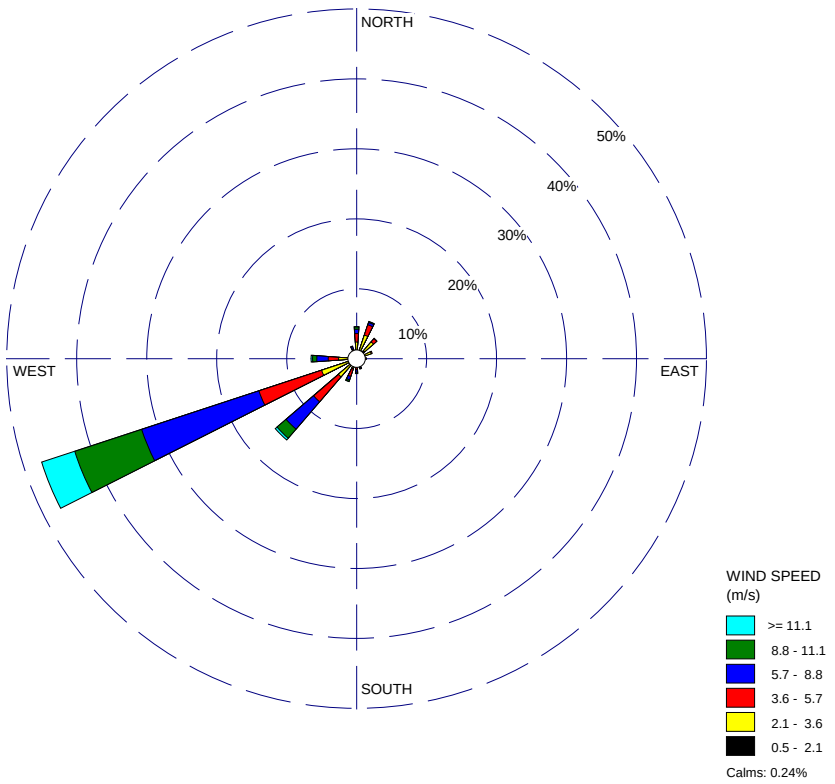
Figure 5.1B-2a

Annual Wind Rose

2003

WIND ROSE PLOT:
Travis AFB, CA - 2003
January 1, 2003 through December 31, 2003

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2003 **Jan 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.24%**	TOTAL COUNT: **7633 hrs.**	
	AVG. WIND SPEED: **5.83 m/s**	DATE: **8/15/2008**	PROJECT NO.:

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Figure 5.1B-2f

Quarterly Wind Rose

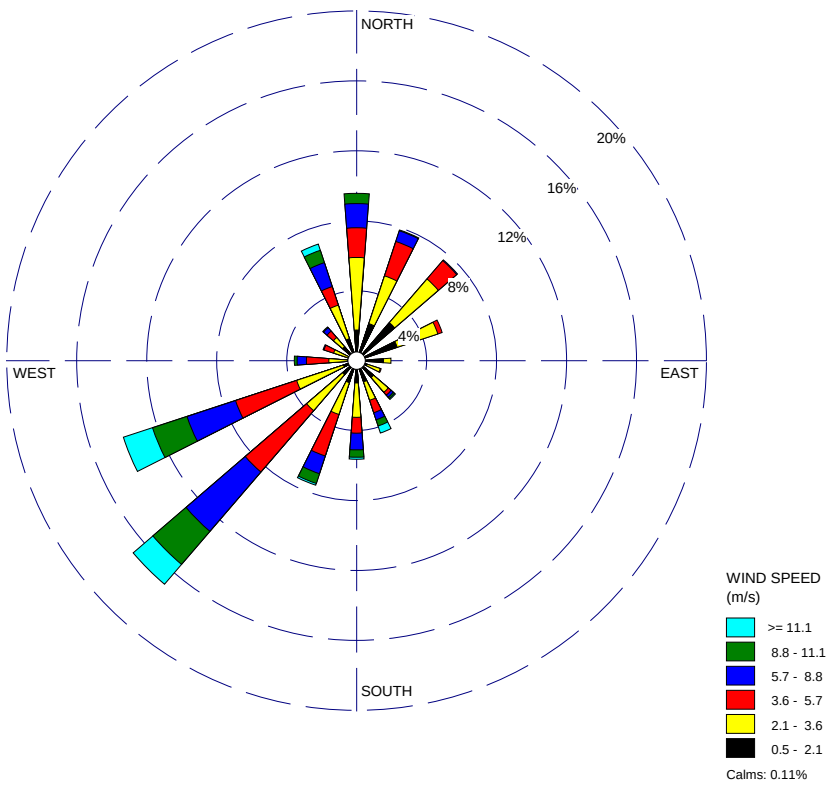
First Quarter 2004

WIND ROSE PLOT:

Travis AFB, CA - First Quarter, 2004
January 1, 2004 through March 31, 2004

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2004 **Jan 1 - Mar 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.11%**	TOTAL COUNT: **1885 hrs.**	
	AVG. WIND SPEED: **4.61 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2g

Quarterly Wind Rose

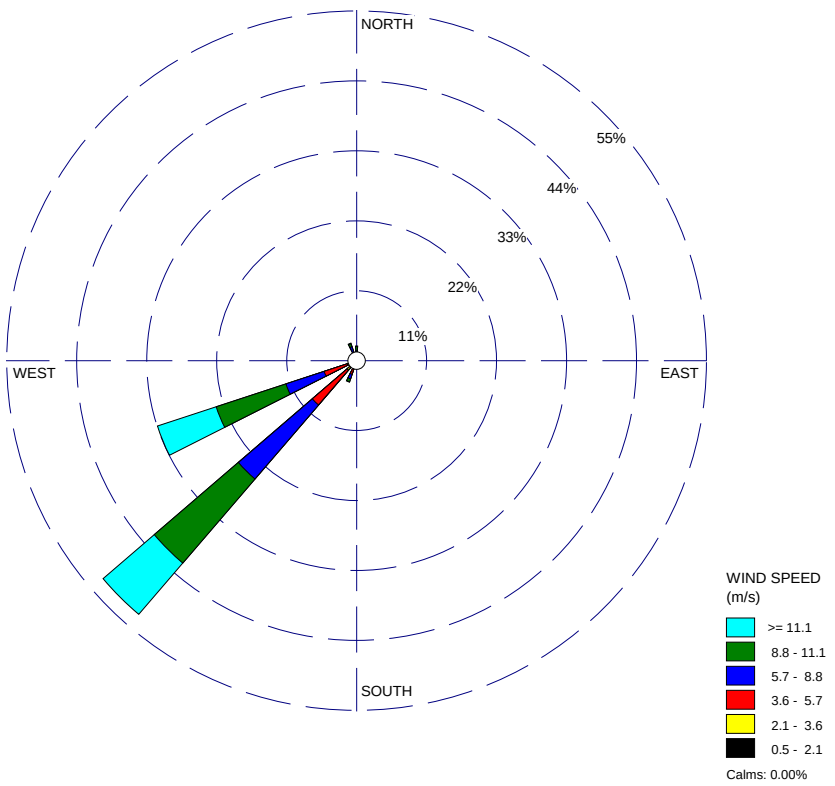
Second Quarter 2004

WIND ROSE PLOT:

Travis AFB, CA - Second Quarter, 2004
April 1, 2004 through June 30, 2004

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2004 **Apr 1 - Jun 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.00%**	TOTAL COUNT: **2104 hrs.**	
	AVG. WIND SPEED: **8.37 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2h

Quarterly Wind Rose

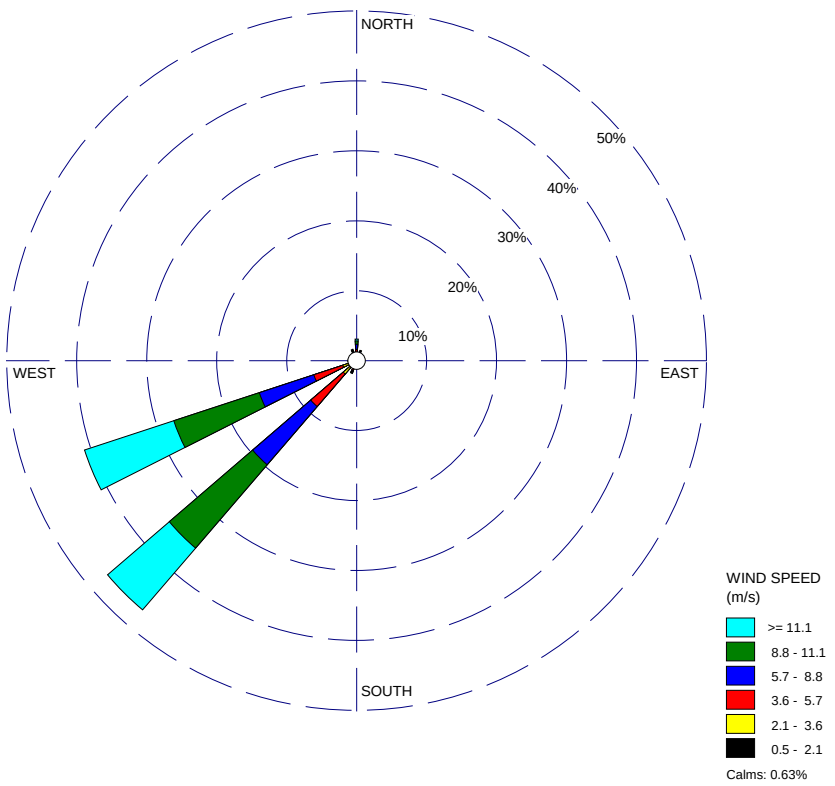
Third Quarter 2004

WIND ROSE PLOT:

Travis AFB, CA - Third Quarter, 2004
July 1, 2004 through September 30, 2004

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2004 **Jul 1 - Sep 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.63%**	TOTAL COUNT: **1910 hrs.**	
	AVG. WIND SPEED: **8.54 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2i

Quarterly Wind Rose

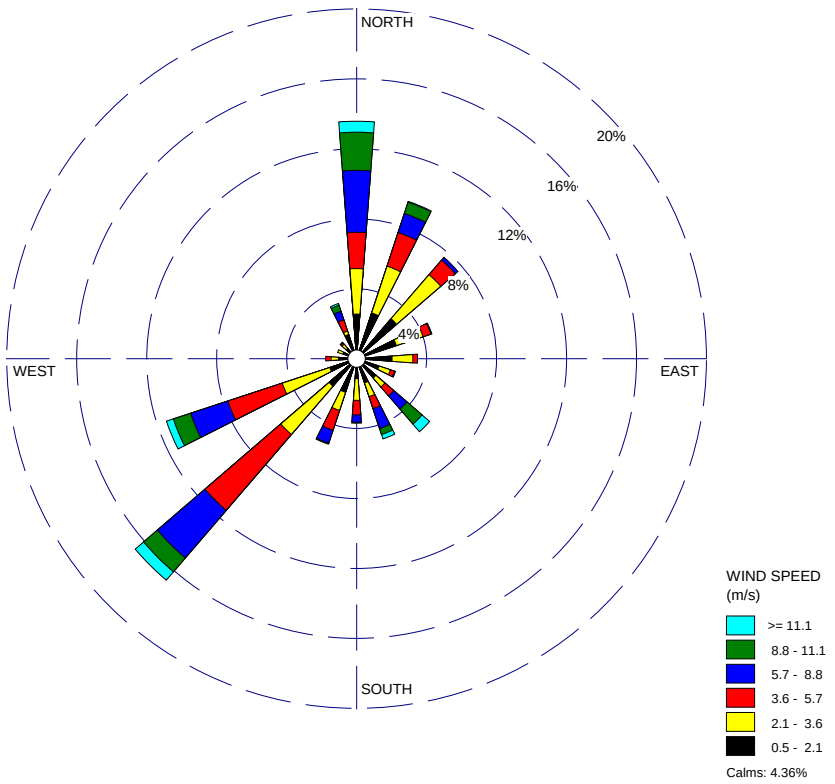
Fourth Quarter 2004

WIND ROSE PLOT:

Travis AFB, CA - Fourth Quarter, 2004
October 1, 2004 through December 31, 2004

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2004 **Oct 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **4.36%**	TOTAL COUNT: **1927 hrs.**	
	AVG. WIND SPEED: **4.12 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2j

Annual Wind Rose

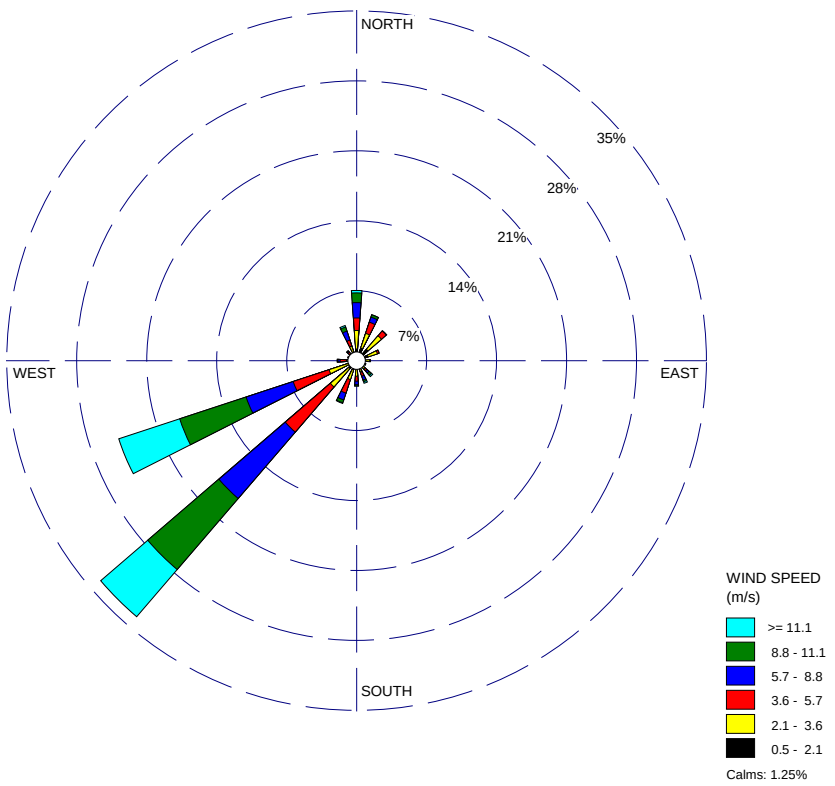
2004

WIND ROSE PLOT:

Travis AFB, CA - 2004
January 1, 2004 through December 31, 2004

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2004 **Jan 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **1.25%**	TOTAL COUNT: **7826 hrs.**	
	AVG. WIND SPEED: **6.46 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2k

Quarterly Wind Rose

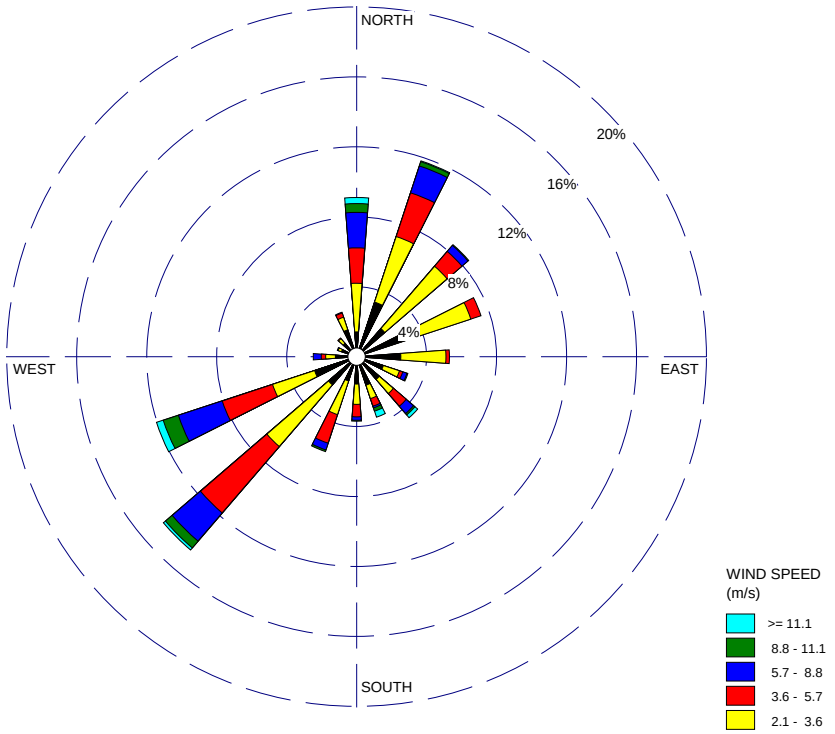
First Quarter 2005

WIND ROSE PLOT:

Travis AFB, CA - First Quarter, 2005
January 1, 2005 through March 31, 2005

DISPLAY:

Wind Speed
Direction (blowing from)



WIND SPEED
(m/s)

- >= 11.1
- 8.8 - 11.1
- 5.7 - 8.8
- 3.6 - 5.7
- 2.1 - 3.6
- 0.5 - 2.1

Calms: 2.98%

COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2005 **Jan 1 - Mar 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **2.98%**	TOTAL COUNT: **1981 hrs.**	
	AVG. WIND SPEED: **3.57 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2l

Quarterly Wind Rose

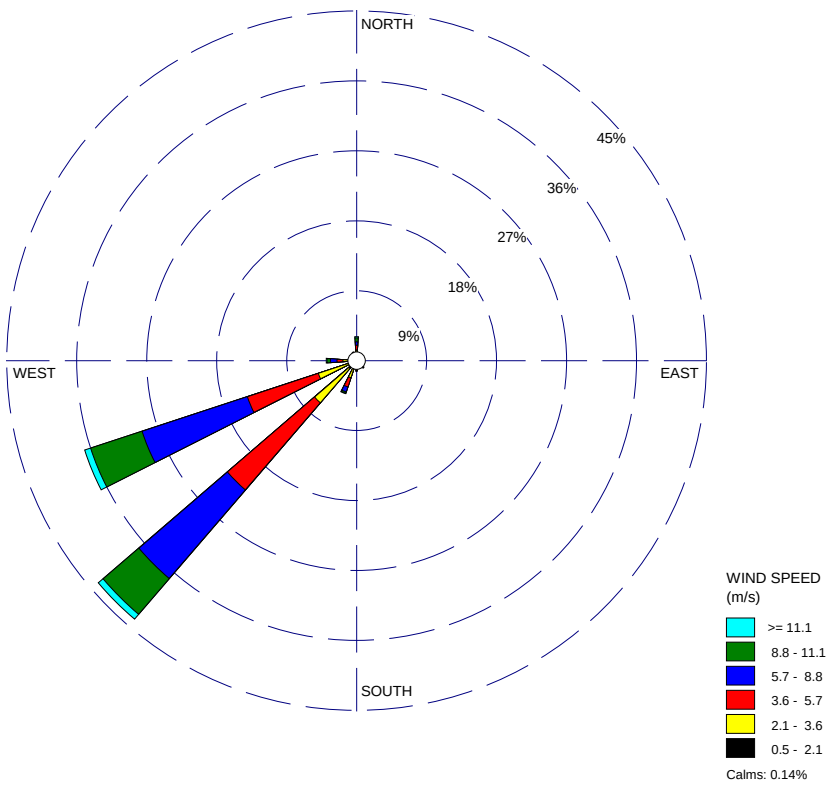
Second Quarter 2005

WIND ROSE PLOT:

Travis AFB, CA - Second Quarter, 2005
April 1, 2005 through June 30, 2005

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2005 **Apr 1 - Jun 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.14%**	TOTAL COUNT: **2101 hrs.**	
	AVG. WIND SPEED: **5.85 m/s**	DATE: **8/15/2008**	PROJECT NO.:

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Figure 5.1B-2m

Quarterly Wind Rose

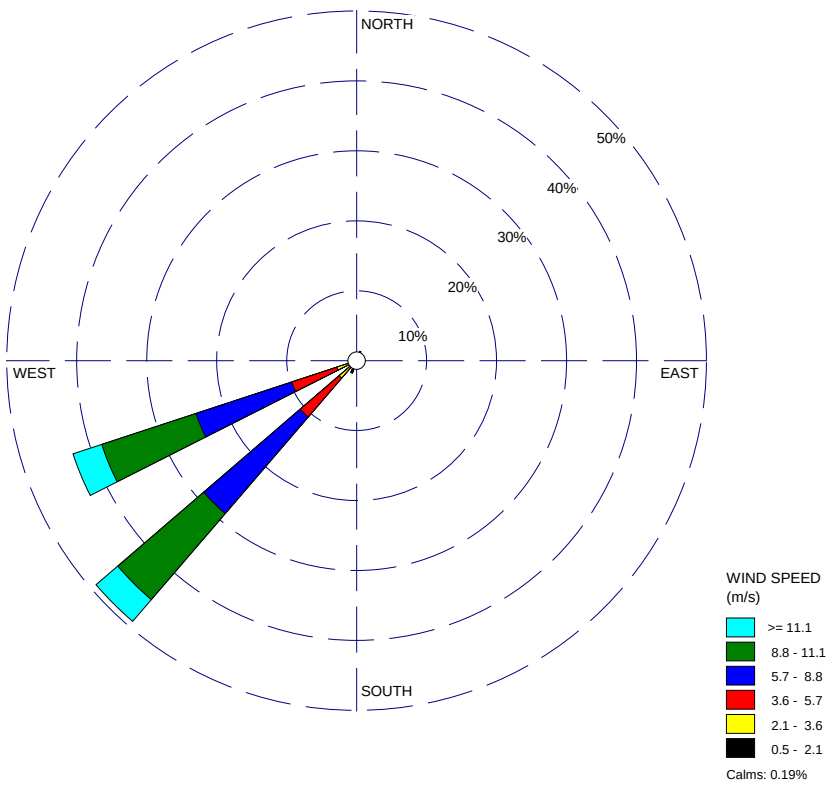
Third Quarter 2005

WIND ROSE PLOT:

Travis AFB, CA - Third Quarter, 2005
July 1, 2005 through September 30, 2005

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2005 **Jul 1 - Sep 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.19%**	TOTAL COUNT: **2114 hrs.**	
	AVG. WIND SPEED: **7.56 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2n

Quarterly Wind Rose

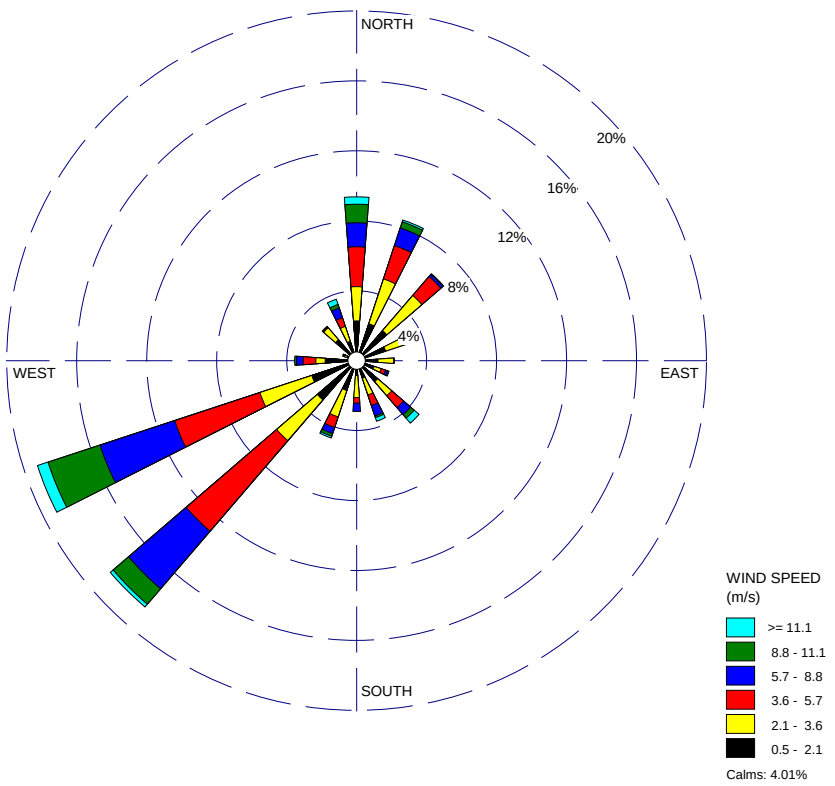
Fourth Quarter 2005

WIND ROSE PLOT:

Travis AFB, CA - Fourth Quarter, 2005
October 1, 2005 through December 31, 2005

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2005 **Oct 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **4.01%**	TOTAL COUNT: **1894 hrs.**	
	AVG. WIND SPEED: **4.16 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2o

Annual Wind Rose

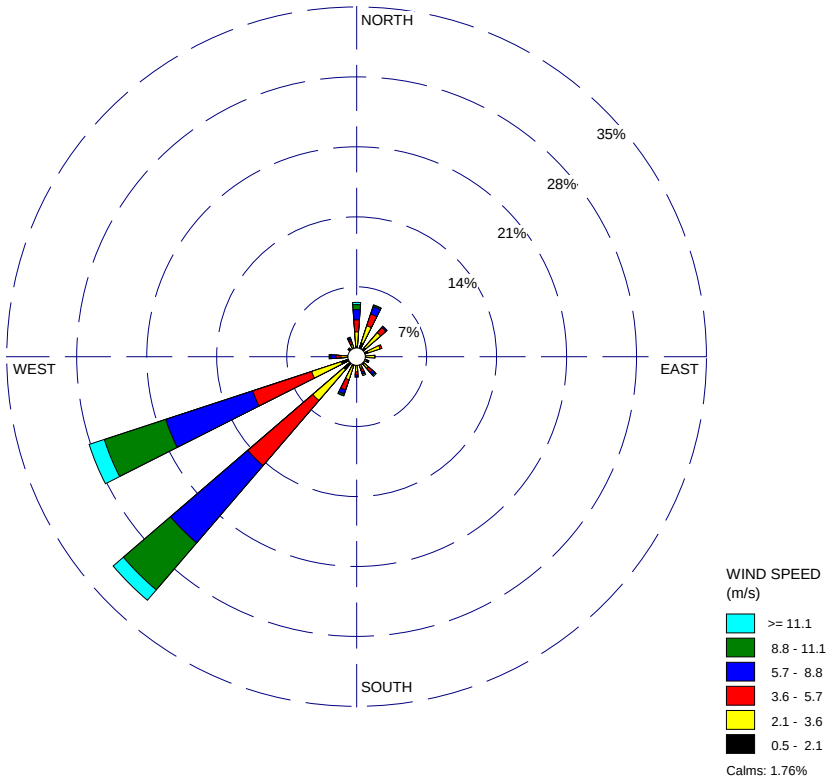
2005

WIND ROSE PLOT:

Travis AFB, CA - 2005
January 1, 2005 through December 31, 2005

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2005 **Jan 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **1.76%**	TOTAL COUNT: **8090 hrs.**	
	AVG. WIND SPEED: **5.34 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2p

Quarterly Wind Rose

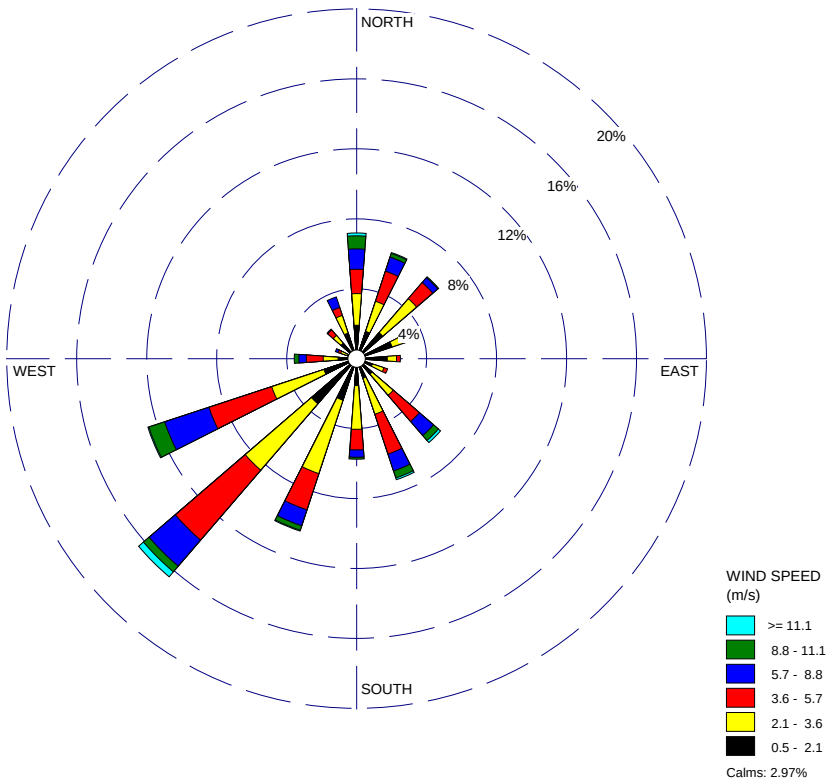
First Quarter 2006

WIND ROSE PLOT:

Travis AFB, CA - First Quarter, 2006
January 1, 2006 through March 31, 2006

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2006 **Jan 1 - Mar 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **2.97%**	TOTAL COUNT: **1883 hrs.**	
	AVG. WIND SPEED: **3.80 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2q

Quarterly Wind Rose

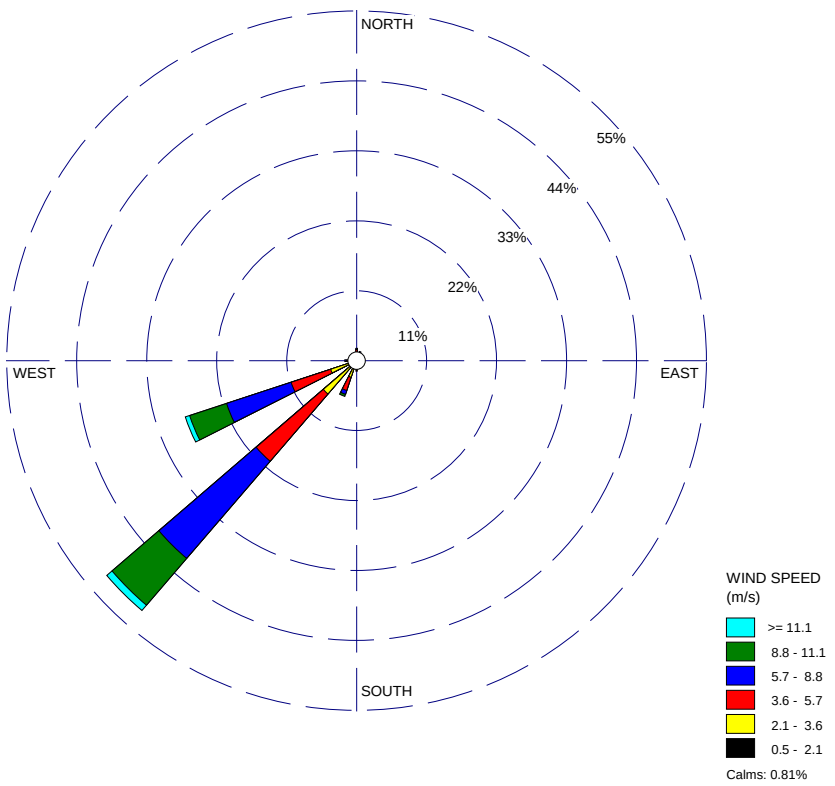
Second Quarter 2006

WIND ROSE PLOT:

Travis AFB, CA - Second Quarter, 2006
April 1, 2006 through June 30, 2006

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2006 **Apr 1 - Jun 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.81%**	TOTAL COUNT: **2099 hrs.**	
	AVG. WIND SPEED: **5.97 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2r

Quarterly Wind Rose

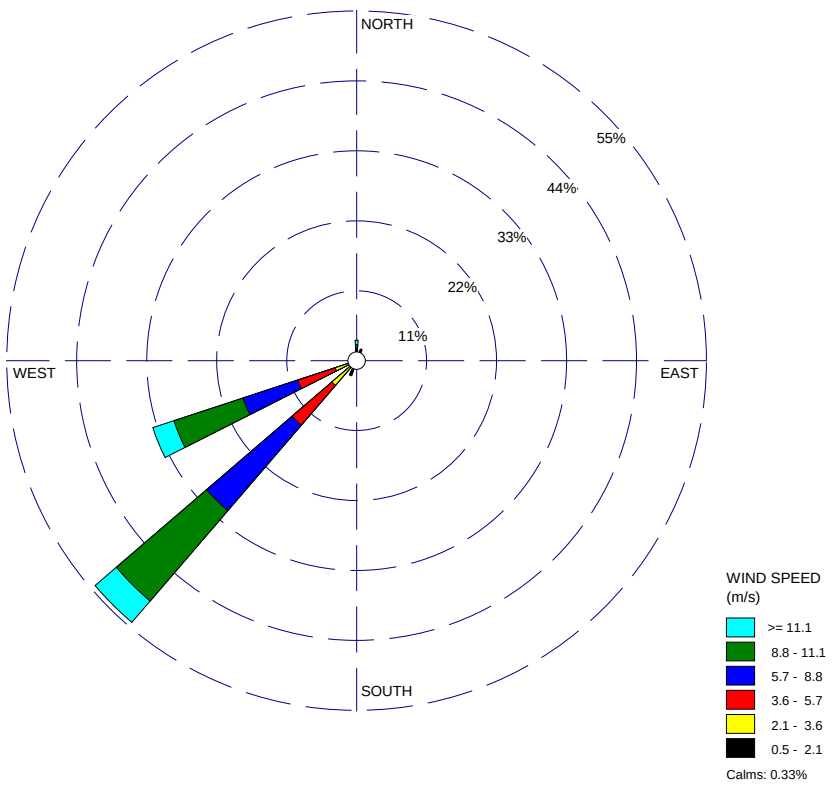
Third Quarter 2006

WIND ROSE PLOT:

Travis AFB, CA - Third Quarter, 2006
July 1, 2006 through September 30, 2006

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2006 **Jul 1 - Sep 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **0.33%**	TOTAL COUNT: **2112 hrs.**	
	AVG. WIND SPEED: **7.40 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2s

Quarterly Wind Rose

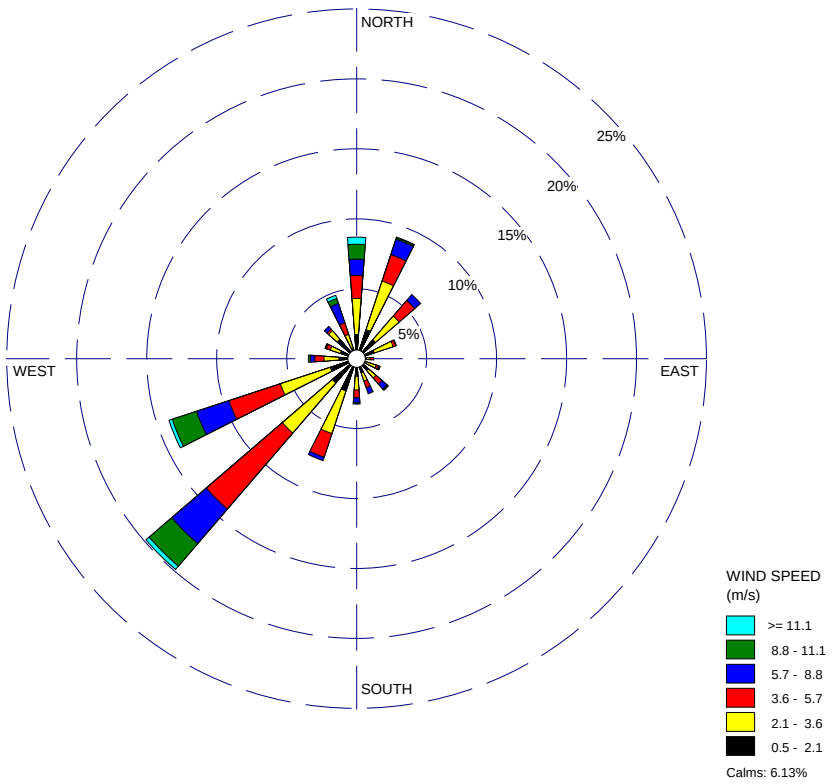
Fourth Quarter 2006

WIND ROSE PLOT:

Travis AFB, CA - Fourth Quarter, 2006
October 1, 2006 through December 31, 2006

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2006 **Oct 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **6.13%**	TOTAL COUNT: **1973 hrs.**	
	AVG. WIND SPEED: **3.88 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2t

Annual Wind Rose

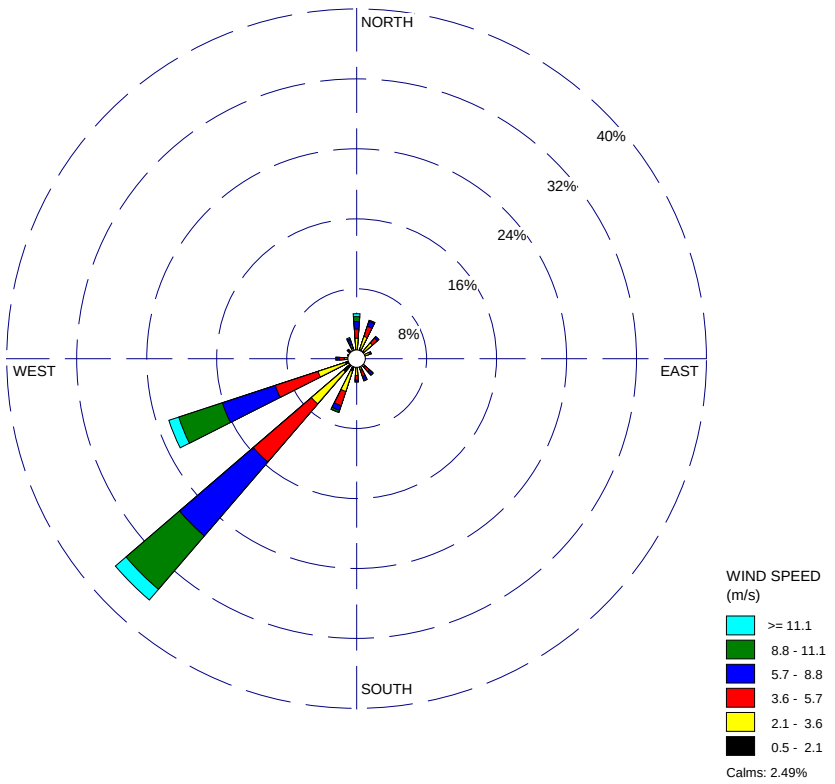
2006

WIND ROSE PLOT:

Travis AFB, CA - 2006
January 1, 2006 through December 31, 2006

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2006 **Jan 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **2.49%**	TOTAL COUNT: **8067 hrs.**	
	AVG. WIND SPEED: **5.33 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2u

Quarterly Wind Rose

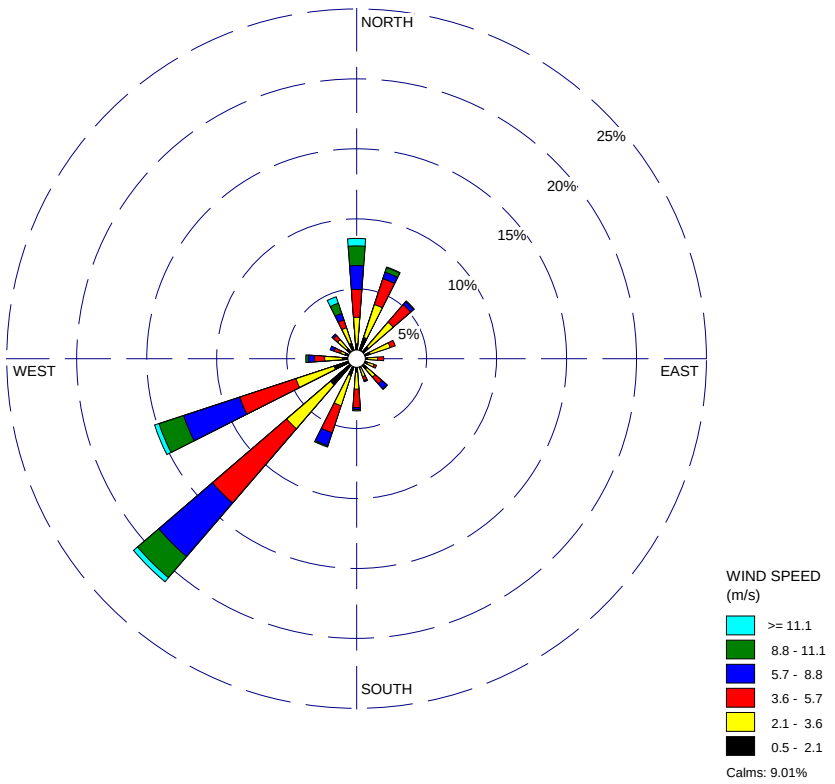
First Quarter 2007

WIND ROSE PLOT:

Travis AFB, CA - First Quarter, 2007
January 1, 2007 through March 31, 2007

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2007 **Jan 1 - Mar 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **9.01%**	TOTAL COUNT: **2064 hrs.**	
	AVG. WIND SPEED: **4.16 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2v

Quarterly Wind Rose

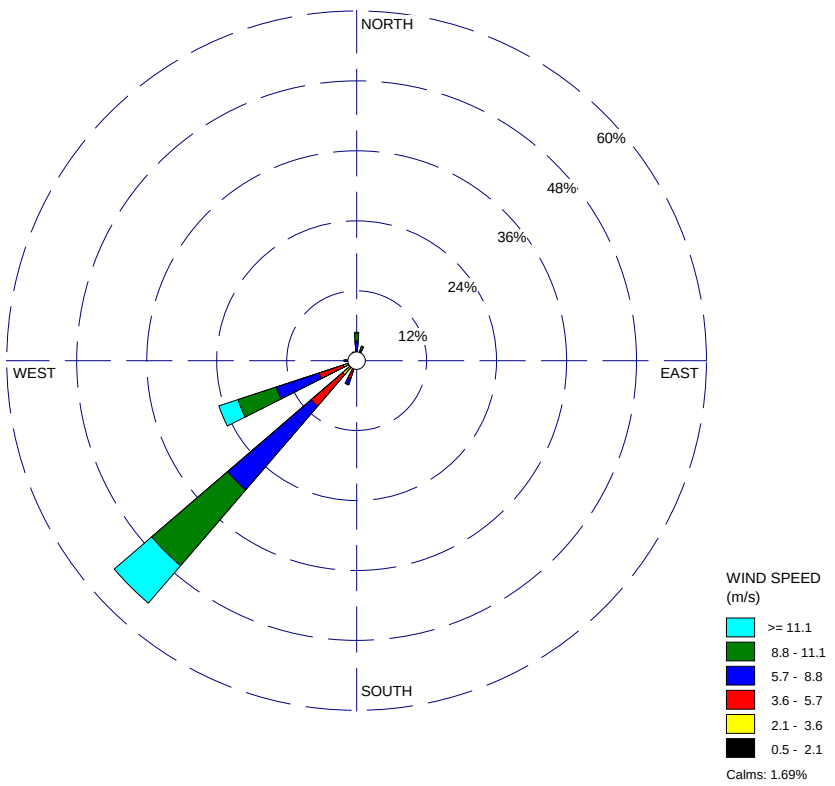
Second Quarter 2007

WIND ROSE PLOT:

Travis AFB, CA - Second Quarter, 2007
April 1, 2007 through June 30, 2007

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2007 **Apr 1 - Jun 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **1.69%**	TOTAL COUNT: **2073 hrs.**	
	AVG. WIND SPEED: **7.50 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2w

Quarterly Wind Rose

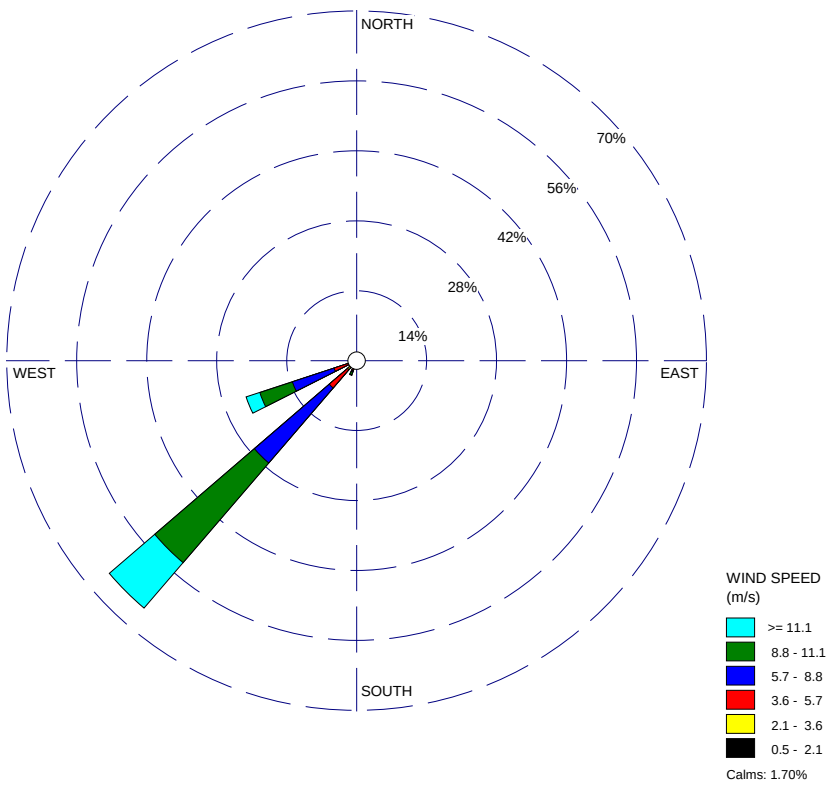
Third Quarter 2007

WIND ROSE PLOT:

Travis AFB, CA - Third Quarter, 2007
July 1, 2007 through September 30, 2007

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2007 **Jul 1 - Sep 30** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **1.70%**	TOTAL COUNT: **2059 hrs.**	
	AVG. WIND SPEED: **8.06 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2x

Quarterly Wind Rose

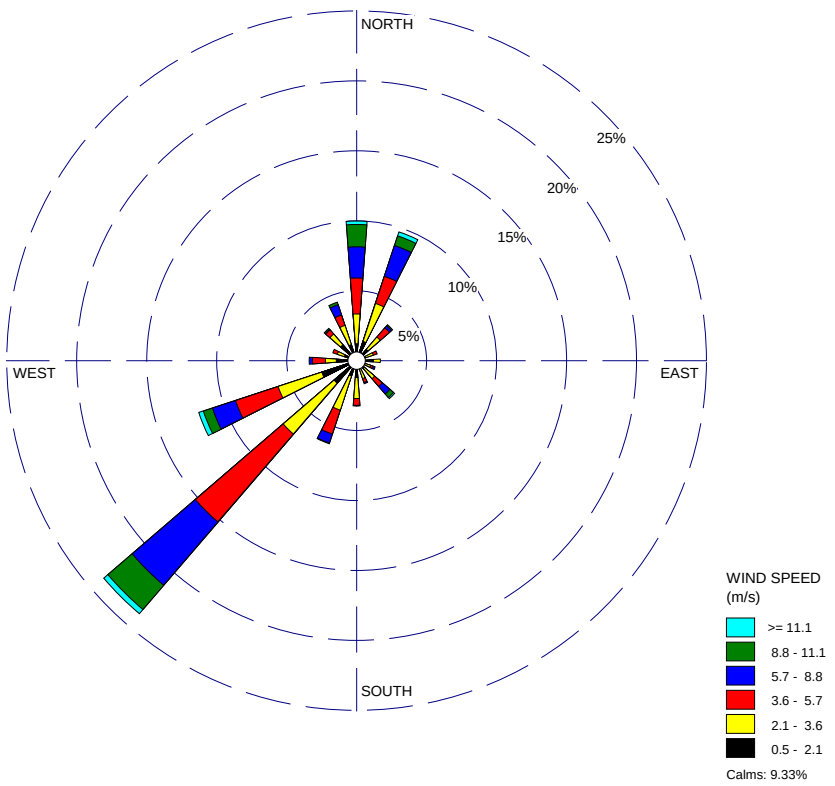
Fourth Quarter 2007

WIND ROSE PLOT:

Travis AFB, CA - Fourth Quarter, 2007
October 1, 2007 through December 31, 2007

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2007 **Oct 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **9.33%**	TOTAL COUNT: **2069 hrs.**	
	AVG. WIND SPEED: **4.04 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Figure 5.1B-2y

Annual Wind Rose

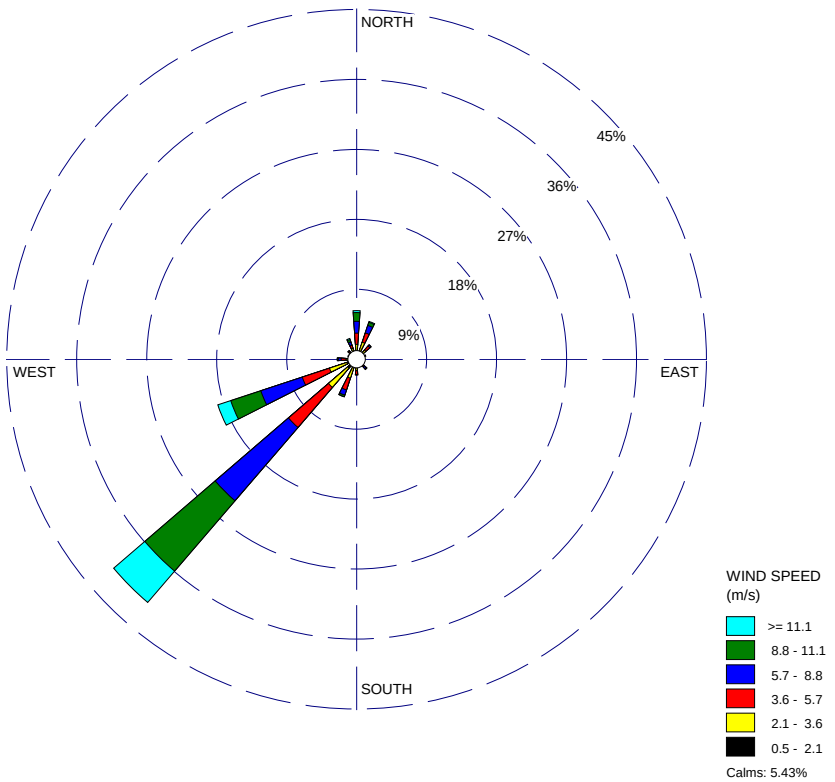
2007

WIND ROSE PLOT:

Travis AFB, CA - 2007
January 1, 2007 through December 31, 2007

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2007 **Jan 1 - Dec 31** **00:00 - 23:00**	MODELER:	
	CALM WINDS: **5.43%**	TOTAL COUNT: **8265 hrs.**	
	AVG. WIND SPEED: **5.94 m/s**	DATE: **8/15/2008**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

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Table 5.1B-1
Dimensions of On-Site Structures
CPVVS

Feature	Height (feet)	Length (feet)	Width (feet)	Diameter (feet)
CTGs (2)				
Combustion turbines & generators (base unit)	21.4	251.4	40.2	--
Casing - Tier 2	83.5	154.2	40.2	--
Casing - Tier 3	94.7	100.9	40.2	--
CTG stacks	150	--	--	18.5
STG				
Inlet air filter	82.3	98.1	60.8	--
Water treatment building	36.1	116.8	82.2	--
Water treatment building tower	41.7	--	--	16.9
PDC 1 & 3	18.1	39.3	12.2	--
PDC 2 & 4	18.1	54.2	17.8	--
PDC E	18.1	51.4	13.1	--
CT Gen. Step-Up Xfrmr (2)	20.3	93.6	50.5	--
ST Gen. Step-Up Xfrmr (2)	20.3	54.2	36.5	--
Control bldg	15.8	149.5	61.7	--
Feedwater Enclosures (2)	18.1	52.3	32.7	--
Cooling tower	22.6	715.0	53.3	--
Cooling tower cell	44.3	--	--	10.8
Cooling tower Chem. Feed bldg	25.9	94.9	41.2	--
Ammonia Tank	18.1	61.7	10.3	--
Fire Pump	18.1	32.7	15.0	--
Fire pump stack	40	--	--	0.4
Emergency generator stack	40	--	--	0.7
Fire Water Tank	69.9	--	--	74.8
Demineralized Water Tank	21.4	--	--	33.7
Auxiliary Boiler	16.0	55.1	15.0	--
Aux. Boiler stack	30	--	--	2.5

Table 5.1B-2A
Screening Modeling
Inputs (GE)
Data For Each
Turbine

Case	Amb Temp deg F	Stack height feet	Stack Height meters	Stack Diam feet	Stack Diam meters	Stack flow wacfm	Stack flow m3/sec	Stack Vel ft/sec	Stack Vel m/sec	Stack Temp deg F	Stack Temp deg K
Cold Base	26.2	150.0	45.72	18.5	5.64	1,093,336	516.07	67.79	20.66	195.0	363.71
Cold Low	26.2	150.0	45.72	18.5	5.64	705,711	333.10	43.76	13.34	195.0	363.71
Avg. Base	59	150.0	45.72	18.5	5.64	1,037,132	489.54	64.31	19.60	195.0	363.71
Avg. Low	59	150.0	45.72	18.5	5.64	682,947	322.36	42.35	12.91	195.0	363.71
Avg. Peak	59	150.0	45.72	18.5	5.64	1,069,288	504.71	66.30	20.21	180.0	355.37
Hot Base	105.6	150.0	45.72	18.5	5.64	991,075	467.80	61.45	18.73	195.0	363.71
Hot Low	105.6	150.0	45.72	18.5	5.64	645,933	304.89	40.05	12.21	195.0	363.71
Hot Peak	105.6	150.0	45.72	18.5	5.64	1,018,105	480.56	63.13	19.24	180.0	355.37
	NOx lb/hr	CO lb/hr	PM10 lb/hr	SOx lb/hr		NOx g/sec	CO g/sec	PM10 g/sec	SOx g/sec		
Cold Base	13.81	12.61	7.50	5.27		1.740	1.589	0.945	0.664		
Cold Low	8.96	8.18	7.50	3.42		1.129	1.031	0.945	0.431		
Avg. Base	13.18	12.04	7.50	5.03		1.660	1.516	0.945	0.633		
Avg. Low	8.50	7.76	7.50	3.24		1.071	0.978	0.945	0.409		
Avg. Peak	16.90	15.43	9.00	6.44		2.129	1.944	1.134	0.812		
Hot Base	12.48	11.40	7.50	4.76		1.573	1.436	0.945	0.600		
Hot Low	7.55	6.90	7.50	2.88		0.951	0.869	0.945	0.363		
Hot Peak	16.20	14.79	9.00	6.18		2.041	1.864	1.134	0.778		

Table 5.1B-2B
Screening Modeling
Inputs (Siemens)
Data For Each
Turbine

Case	Amb Temp deg F	Stack height feet	Stack Height meters	Stack Diam feet	Stack Diam meters	Stack flow wacfm	Stack flow m3/sec	Stack Vel ft/sec	Stack Vel m/sec	Stack Temp deg F	Stack Temp deg K
Cold Base	26.2	150.0	45.72	18.5	5.64	1,052,625	496.85	65.27	19.89	184.0	357.59
Cold Low	34.4	150.0	45.72	18.5	5.64	1,082,889	511.13	67.14	20.47	230.0	383.15
Avg. Base	59	150.0	45.72	18.5	5.64	982,219	463.62	60.90	18.56	182.0	356.48
Avg. Low	59	150.0	45.72	18.5	5.64	993,833	469.10	61.62	18.78	219.0	377.04
Avg. Peak	59	150.0	45.72	18.5	5.64	1,024,686	483.66	63.53	19.37	162.0	345.37
Hot Base	105.6	150.0	45.72	18.5	5.64	971,547	458.58	60.24	18.36	194.0	363.15
Hot Low	105.6	150.0	45.72	18.5	5.64	874,296	412.68	54.21	16.52	206.0	369.82
Hot Peak	105.6	150.0	45.72	18.5	5.64	994,688	469.50	61.67	18.80	162.0	345.37
	NOx lb/hr	**CO lb/hr**	**PM10 lb/hr**	**SOx lb/hr**		**NOx g/sec**	**CO g/sec**	**PM10 g/sec**	**SOx g/sec**		
Cold Base	15.85	14.47	7.50	6.04		1.997	1.824	0.945	0.761		
Cold Low	9.36	8.55	7.50	3.57		1.179	1.077	0.945	0.450		
Avg. Base	14.87	13.58	7.50	5.67		1.874	1.711	0.945	0.714		
Avg. Low	8.89	8.12	7.50	3.39		1.120	1.023	0.945	0.427		
Avg. Peak	**18.72**	**17.10**	**7.50**	**7.14**		2.359	2.154	0.945	0.900		
Hot Base	14.14	12.91	7.50	5.39		1.782	1.627	0.945	0.679		
Hot Low	7.91	7.22	7.50	3.02		0.996	0.910	0.945	0.380		
Hot Peak	17.87	16.32	7.50	6.81		2.252	2.056	0.945	0.859		

Table 5.1B-3A
Screening Level Modeling Impacts: GE CTGs
(Combined Impacts for Two Gas Turbines)

Operating Mode	NO2 1-hr	CO 1-hr	SO2 1-hr	SO2 3-hr	CO 8-hr	PM10 24-hr	SO2 24-hr	NO2 Annual	PM10 Annual
Cold Base	21.54	19.67	8.21	4.72	8.19	3.43	2.41	1.14	0.62
Cold Low	17.57	16.05	6.70	3.78	8.51	5.87	2.67	1.49	1.25
Avg. Base	21.30	19.46	8.12	4.61	8.39	3.70	2.48	1.20	0.68
Avg. Low	16.91	15.45	6.45	3.67	8.27	6.07	2.62	1.48	1.30
Avg. Peak	**28.11**	**25.68**	**10.72**	**6.01**	10.53	4.38	3.13	1.55	0.83
Hot Base	20.66	18.87	7.88	4.44	8.47	3.93	2.50	1.23	0.74
Hot Low	15.38	14.05	5.87	3.40	7.68	**6.40**	2.46	1.41	**1.40**
Hot Peak	27.66	25.26	10.55	5.88	**10.73**	4.68	**3.21**	**1.63**	0.91

Table 5.1B-3B
Screening Level Modeling Impacts: Siemens CTGs
(Combined Impacts for Two Gas Turbines)

Operating Mode	NO2 1-hr	CO 1-hr	SO2 1-hr	SO2 3-hr	CO 8-hr	PM10 24-hr	SO2 24-hr	NO2 Annual	PM10 Annual	SO2 Annual
Cold Base	26.25	23.98	10.01	5.62	10.04	3.70	2.98	1.47	0.70	0.56
Cold Low	13.14	12.00	5.01	2.97	5.42	3.28	1.56	0.69	0.55	0.26
Avg. Base	25.68	23.45	9.79	5.48	10.35	4.09	3.09	1.58	0.80	0.60
Avg. Low	13.67	12.49	5.21	3.02	5.86	3.76	1.70	0.80	0.67	0.30
Avg. Peak	**33.75**	**30.82**	**12.87**	**7.15**	**12.60**	4.03	**3.84**	2.02	0.81	0.77
Hot Base	23.74	21.68	9.05	5.07	9.77	4.04	2.91	1.45	0.77	0.55
Hot Low	13.57	12.40	5.18	2.91	6.07	**4.55**	1.83	0.93	**0.88**	0.35
Hot Peak	32.63	29.80	12.44	6.91	12.46	4.19	3.80	**2.03**	0.85	**0.78**

Table 5.1B-4
Emission Rates and Stack Parameters for Refined Modeling

	Stack Diam, m	Stack Height m	Temp, deg K	Exhaust Flow, m3/s	Exhaust Velocity, m/s	Emission Rates, g/s NOx	SO2	CO	PM10
Averaging Period: One hour									
Gas Turbine 1	5.639	45.720	345.372	483.598	19.365	2.3589	0.8995	2.1543	n/a
Gas Turbine 2	5.639	45.720	345.372	483.598	19.365	2.3589	0.8995	2.1543	n/a
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	0.0505	0.0074	0.1708	n/a
Fire Pump Engine	0.127	12.192	683.150	0.821	64.825	0.3633	3.704E-04	0.0267	n/a
Emergency Engine	0.203	12.192	791.483	3.958	122.057	2.0083	1.966E-03	0.0792	n/a
Cooling Tower (per cell)	3.292	13.515	303.706	59.505	6.992	n/a	n/a	n/a	n/a
Averaging Period: Three hours									
Gas Turbine 1	5.639	45.720	345.372	483.598	19.365	n/a	0.8995	n/a	n/a
Gas Turbine 2	5.639	45.720	345.372	483.598	19.365	n/a	0.8995	n/a	n/a
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	n/a	0.0074	n/a	n/a
Fire Pump Engine	0.127	12.192	683.150	0.821	64.825	n/a	1.235E-04	n/a	n/a
Emergency Engine	0.203	12.192	791.483	3.958	122.057	n/a	6.553E-04	n/a	n/a
Cooling Tower (per cell)	3.292	13.515	303.706	59.505	6.992	n/a	n/a	n/a	n/a
Averaging Period: Eight hours									
Gas Turbine 1	5.639	45.720	345.372	483.598	19.365	n/a	n/a	2.1543	n/a
Gas Turbine 2	5.639	45.720	345.372	483.598	19.365	n/a	n/a	2.1543	n/a
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	n/a	n/a	0.1708	n/a
Fire Pump Engine	0.127	12.192	683.150	0.821	64.825	n/a	n/a	3.333E-03	n/a
Emergency Engine	0.203	12.192	791.483	3.958	122.057	n/a	n/a	9.896E-03	n/a
Cooling Tower (per cell)	3.292	13.515	303.706	59.505	6.992	n/a	n/a	n/a	n/a
Averaging Period: 24 hours, SOx									
Gas Turbine 1	5.639	45.720	345.372	483.598	19.365	n/a	0.8995	n/a	n/a
Gas Turbine 2	5.639	45.720	345.372	483.598	19.365	n/a	0.8995	n/a	n/a
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	n/a	0.0031	n/a	n/a
Fire Pump Engine	0.127	12.192	683.150	0.821	64.825	n/a	1.544E-05	n/a	n/a
Emergency Engine	0.203	12.192	791.483	3.958	122.057	n/a	8.192E-05	n/a	n/a
Cooling Tower (per cell)	3.292	13.515	303.706	59.505	6.992	n/a	n/a	n/a	n/a
Averaging Period: Annual, NOx and SOx									
Gas Turbine 1	5.639	45.720	345.372	469.441	18.798	2.2504	0.2042	n/a	n/a
Gas Turbine 2	5.639	45.720	345.372	469.441	18.798	2.2504	0.2042	n/a	n/a
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	0.0222	8.083E-04	n/a	n/a
Fire Pump Engine	0.127	12.192	683.150	0.821	64.825	2.074E-03	2.114E-06	n/a	n/a
Emergency Engine	0.203	12.192	791.483	3.958	122.057	0.0115	1.122E-05	n/a	n/a
Cooling Tower (per cell)	3.292	13.515	303.706	59.505	6.992	n/a	n/a	n/a	n/a

Table5.1B-4 (cont'd)
Emission Rates and Stack Parameters for Refined Modeling

	Stack Diam, m	Stack Height m	Temp, deg K	Exhaust Flow, m3/s	Exhaust Velocity, m/s	Emission Rates, g/s			
						NOx	SO2	CO	PM10
Averaging Period: 24-hour PM10									
Gas Turbine 1	5.639	45.720	363.706	304.846	12.207	n/a	n/a	n/a	0.9450
Gas Turbine 2	5.639	45.720	363.706	304.846	12.207	n/a	n/a	n/a	0.9450
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	n/a	n/a	n/a	0.0146
Fire Pump Engine	0.127	12.192	683.150	0.821	64.825	n/a	n/a	n/a	4.167E-04
Emergency Engine	0.203	12.192	791.483	3.958	122.057	n/a	n/a	n/a	3.993E-04
Cooling Tower (per cell)	3.292	13.515	303.706	59.505	6.992	n/a	n/a	n/a	0.0192
Averaging Period: Annual PM10									
Gas Turbine 1	5.639	45.720	363.706	304.846	12.207	n/a	n/a	n/a	1.0205
Gas Turbine 2	5.639	45.720	363.706	304.846	12.207	n/a	n/a	n/a	1.0205
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	n/a	n/a	n/a	0.0154
Fire Pump Engine	0.127	12.192	683.150	0.821	64.825	n/a	n/a	n/a	5.470E-05
Emergency Engine	0.203	12.192	791.483	3.958	122.057	n/a	n/a	n/a	5.470E-05
Cooling Tower (per cell)	3.292	13.515	303.706	59.505	6.992	n/a	n/a	n/a	0.0192

Table 5.1B-5 Fumigation Analysis

SCREEN3	CPV		Emissions, g/sec NOx	CO	PM10	SO2
Rural	Siemens	Cold Base	1.9967	1.8235	0.9450	0.7614
		Cold Low	1.1795	1.0772	0.9450	0.4498
		Avg. Base	1.8735	1.7110	0.9450	0.7145
		Avg. Low	1.1201	1.0230	0.9450	0.4272
		Avg. Peak	2.3589	2.1543	0.9450	0.8995
		Hot Base	1.7817	1.6272	0.9450	0.6794
		Hot Low	0.9964	0.9100	0.9450	0.3800
		Hot Peak	2.2516	2.0564	0.9450	0.8586
	GE	Cold Base	1.7400	1.5891	0.9450	0.1659
		Cold Low	1.1289	1.0310	0.9450	0.1076
		Avg. Base	1.6604	1.5164	0.9450	0.1583
		Avg. Low	1.0713	0.9784	0.9450	0.1021
		Avg. Peak	2.1288	1.9442	1.1340	0.2030
		Hot Base	1.5726	1.4362	0.9450	0.1499
		Hot Low	0.9514	0.8689	0.9450	0.0907
		Hot Peak	2.0410	1.8640	1.1340	0.1946

Inversion Breakup Each Turbine			Unit Impacts	NOx	CO	SO2	PM10	Distance to Maxima (m)
	Siemens	Cold Base	1.234	2.4639	2.2502	1.1661	0.9396	16154
		Cold Low	1.028	1.2125	1.1073	0.9715	0.4624	18485
		Avg. Base	1.299	2.4337	2.2226	1.2276	0.9281	15554
		Avg. Low	1.123	1.2579	1.1488	1.0612	0.4797	17323
		Avg. Peak	1.399	3.3001	3.0139	1.3221	1.2585	14731
		Hot Base	1.244	2.2165	2.0242	1.1756	0.8452	16058
		Hot Low	1.27	1.2654	1.1556	1.2002	0.4825	15820
		Hot Peak	1.426	3.2108	2.9324	1.3476	1.2244	14521
	GE	Cold Base	1.152	2.0045	1.8307	1.0886	0.1911	16997
		Cold Low	1.517	1.7126	1.5640	1.4336	0.1633	13875
		Avg. Base	1.19	1.9759	1.8046	1.1246	0.1884	16591
		Avg. Low	1.549	1.6594	1.5155	1.4638	0.1582	13659
		Avg. Peak	1.244	2.6483	2.4186	1.4107	0.2525	16058
		Hot Base	1.224	1.9249	1.7579	1.1567	0.1835	16251
		Hot Low	1.606	1.5280	1.3955	1.5177	0.1457	13301
		Hot Peak	1.282	2.6166	2.3896	1.4538	0.2495	15705

Flat Terrain Each Turbine			Unit Impacts	NOx	CO	PM10	SO2	Distance to Maxima (m)
	Siemens	Cold Base	1.026	2.0486	1.8709	0.9696	0.7812	1174
		Cold Low	0.9447	1.1142	1.0176	0.8927	0.4249	1087
		Avg. Base	1.109	2.0777	1.8975	1.0480	0.7923	1147
		Avg. Low	0.9933	1.1126	1.0161	0.9387	0.4243	1073
		Avg. Peak	1.238	2.9203	2.6671	1.1699	1.1136	1109
		Hot Base	1.038	1.8494	1.6890	0.9809	0.7053	1170
		Hot Low	1.071	1.0671	0.9746	1.0121	0.4069	1159
		Hot Peak	1.272	2.8641	2.6157	1.2020	1.0922	1100
	GE	Cold Base	0.9978	1.7362	1.5856	0.9429	0.1655	1073
		Cold Low	1.387	1.5658	1.4300	1.3107	0.1493	1071
		Avg. Base	1.004	1.6671	1.5225	0.9488	0.1589	1071
		Avg. Low	1.429	1.5309	1.3981	1.3504	0.1459	1061
		Avg. Peak	1.038	2.2097	2.0181	1.1771	0.2107	1170
		Hot Base	1.012	1.5915	1.4535	0.9563	0.1517	1200
		Hot Low	1.503	1.4300	1.3060	1.4203	0.1363	1045
		Hot Peak	1.087	2.2186	2.0262	1.2327	0.2115	1154

Table 5.1B-5 (cont'd) Fumigation Analysis

Appropriate 1-hr unit impacts to use for longer averaging periods - Inversion Breakup Fumigation
1-hr: maximum of flat terrain or inversion breakup
3-hr: 1.5 hrs of fumigation - 1.5 hrs of flat terrain
8-hr: 1.5 hrs of fumigation - 6.5 hrs of flat terrain
24-hr: 1.5 hrs of fumigation - 22.5 hrs of flat terrain

			1-hr unit	3-hr unit	8-hr unit	24-hr unit
Each Turbine	Siemens	Cold Base	1.2340	1.1300	1.0650	1.0390
		Cold Low	1.0280	0.9864	0.9603	0.9499
		Avg. Base	1.2990	1.2040	1.1446	1.1209
		Avg. Low	1.1230	1.0582	1.0176	1.0014
		Avg. Peak	1.3990	1.3185	1.2682	1.2481
		Hot Base	1.2440	1.1410	1.0766	1.0509
		Hot Low	1.2700	1.1705	1.1083	1.0834
		Hot Peak	1.4260	1.3490	1.3009	1.2816
	GE	Cold Base	1.1520	1.0749	1.0267	1.0074
		Cold Low	1.5170	1.4520	1.4114	1.3951
		Avg. Base	1.1900	1.0970	1.0389	1.0156
		Avg. Low	1.5490	1.4890	1.4515	1.4365
		Avg. Peak	1.2440	1.1410	1.0766	1.0509
		Hot Base	1.2240	1.1180	1.0518	1.0253
		Hot Low	1.6060	1.5545	1.5223	1.5094
		Hot Peak	1.2820	1.1845	1.1236	1.0992

1-hr average

			Unit Impacts	NOx	CO	PM10	SO2
Inversion Fumigation							
Each Turbine	Siemens	Cold Base	1.2340	2.4639	2.2502	-	0.9396
		Cold Low	1.0280	1.2125	1.1073	-	0.4624
		Avg. Base	1.2990	2.4337	2.2226	-	0.9281
		Avg. Low	1.1230	1.2579	1.1488	-	0.4797
		Avg. Peak	1.3990	3.3001	3.0139	-	1.2585
		Hot Base	1.2440	2.2165	2.0242	-	0.8452
		Hot Low	1.2700	1.2654	1.1556	-	0.4825
		Hot Peak	1.4260	3.2108	2.9324	-	1.2244
	GE	Cold Base	1.1520	2.0045	1.8307	-	0.1911
		Cold Low	1.5170	1.7126	1.5640	-	0.1633
		Avg. Base	1.1900	1.9759	1.8046	-	0.1884
		Avg. Low	1.5490	1.6594	1.5155	-	0.1582
		Avg. Peak	1.2440	2.6483	2.4186	-	0.2525
		Hot Base	1.2240	1.9249	1.7579	-	0.1835
		Hot Low	1.6060	1.5280	1.3955	-	0.1457
		Hot Peak	1.2820	2.6166	2.3896	-	0.2495

sum all units - multiply by 2, for two turbines

Both Turbines	Siemens	Cold Base	4.9278	4.5005	-	1.8792
		Cold Low	2.4250	2.2147	-	0.9247
		Avg. Base	4.8674	4.4453	-	1.8561
		Avg. Low	2.5158	2.2976	-	0.9594
		Avg. Peak	6.6002	6.0278	-	2.5169
		Hot Base	4.4329	4.0485	-	1.6905
		Hot Low	2.5308	2.3113	-	0.9651
		Hot Peak	6.4216	5.8647	-	2.4489
	GE	Cold Base	4.0090	3.6613	-	0.3822
		Cold Low	3.4251	3.1281	-	0.3265
		Avg. Base	3.9518	3.6091	-	0.3768
		Avg. Low	3.3188	3.0310	-	0.3164
		Avg. Peak	5.2965	4.8372	-	0.5049
		Hot Base	3.8497	3.5159	-	0.3670
		Hot Low	3.0560	2.7910	-	0.2913
		Hot Peak	5.2331	4.7793	-	0.4989

Table 5.1B-5 (cont'd) Fumigation Analysis
3-hr average

			Unit Impacts	NOx	CO	PM10	SO2
Inversion Fumigation							
Each Turbine	Siemens	Cold Base	1.1300	-	-	-	0.7744
		Cold Low	0.9864	-	-	-	0.3993
		Avg. Base	1.2040	-	-	-	0.7742
		Avg. Low	1.0582	-	-	-	0.4068
		Avg. Peak	1.3185	-	-	-	1.0675
		Hot Base	1.1410	-	-	-	0.6977
		Hot Low	1.1705	-	-	-	0.4003
		Hot Peak	1.3490	-	-	-	1.0425
	GE	Cold Base	1.0749	-	-	-	0.1605
		Cold Low	1.4520	-	-	-	0.1406
		Avg. Base	1.0970	-	-	-	0.1563
		Avg. Low	1.4890	-	-	-	0.1369
		Avg. Peak	1.1410	-	-	-	0.2084
		Hot Base	1.1180	-	-	-	0.1509
		Hot Low	1.5545	-	-	-	0.1269
		Hot Peak	1.1845	-	-	-	0.2074
sum all units - multiply by 2, for two turbines							
Both Turbines	Siemens	Cold Base		-	-	-	1.5487
		Cold Low		-	-	-	0.7986
		Avg. Base		-	-	-	1.5484
		Avg. Low		-	-	-	0.8136
		Avg. Peak		-	-	-	2.1349
		Hot Base		-	-	-	1.3954
		Hot Low		-	-	-	0.8005
		Hot Peak		-	-	-	2.0850
	GE	Cold Base		-	-	-	0.3210
		Cold Low		-	-	-	0.2813
		Avg. Base		-	-	-	0.3126
		Avg. Low		-	-	-	0.2737
		Avg. Peak		-	-	-	0.4168
		Hot Base		-	-	-	0.3017
		Hot Low		-	-	-	0.2538
		Hot Peak		-	-	-	0.4149

Table 5.1B-5 (cont'd) Fumigation Analysis
8-hr average

			Unit Impacts	NOx	CO	PM10	SO2
Inversion Fumigation							
Each Turbine	Siemens	Cold Base	1.0650	-	1.3594	-	-
		Cold Low	0.9603	-	0.7241	-	-
		Avg. Base	1.1446	-	1.3709	-	-
		Avg. Low	1.0176	-	0.7287	-	-
		Avg. Peak	1.2682	-	1.9125	-	-
		Hot Base	1.0766	-	1.2263	-	-
		Hot Low	1.1083	-	0.7060	-	-
		Hot Peak	1.3009	-	1.8725	-	-
	GE	Cold Base	1.0267	-	1.1421	-	-
		Cold Low	1.4114	-	1.0186	-	-
		Avg. Base	1.0389	-	1.1028	-	-
		Avg. Low	1.4515	-	0.9941	-	-
		Avg. Peak	1.0766	-	1.4652	-	-
		Hot Base	1.0518	-	1.0574	-	-
		Hot Low	1.5223	-	0.9259	-	-
		Hot Peak	1.1236	-	1.4660	-	-
sum all units – multiply by 2, for two turbines							
Both Turbines	Siemens	Cold Base		-	2.7189	-	-
		Cold Low		-	1.4482	-	-
		Avg. Base		-	2.7419	-	-
		Avg. Low		-	1.4574	-	-
		Avg. Peak		-	3.8249	-	-
		Hot Base		-	2.4526	-	-
		Hot Low		-	1.4119	-	-
		Hot Peak		-	3.7451	-	-
	GE	Cold Base		-	2.2842	-	-
		Cold Low		-	2.0372	-	-
		Avg. Base		-	2.2055	-	-
		Avg. Low		-	1.9881	-	-
		Avg. Peak		-	2.9305	-	-
		Hot Base		-	2.1148	-	-
		Hot Low		-	1.8519	-	-
		Hot Peak		-	2.9320	-	-

Table 5.1B-5 (cont'd) Fumigation Analysis
24-hr average

			Unit Impacts	NOx	CO	PM10	SO2
Inversion Fumigation							
Each Turbine	Siemens	Cold Base	1.0390	-	-	0.3927	0.3164
		Cold Low	0.9499	-	-	0.3591	0.1709
		Avg. Base	1.1209	-	-	0.4237	0.3203
		Avg. Low	1.0014	-	-	0.3785	0.1711
		Avg. Peak	1.2481	-	-	0.4718	0.4491
		Hot Base	1.0509	-	-	0.3972	0.2856
		Hot Low	1.0834	-	-	0.4095	0.1647
		Hot Peak	1.2816	-	-	0.4845	0.4402
	GE	Cold Base	1.0074	-	-	0.3808	0.0668
		Cold Low	1.3951	-	-	0.5274	0.0601
		Avg. Base	1.0156	-	-	0.3839	0.0643
		Avg. Low	1.4365	-	-	0.5430	0.0587
		Avg. Peak	1.0509	-	-	0.4767	0.0853
		Hot Base	1.0253	-	-	0.3875	0.0615
		Hot Low	1.5094	-	-	0.5706	0.0548
		Hot Peak	1.0992	-	-	0.4986	0.0856
sum all units - multiply by 2, for two turbines							
Both Turbines	Siemens	Cold Base		-	-	0.7855	0.6329
		Cold Low		-	-	0.7181	0.3418
		Avg. Base		-	-	0.8474	0.6406
		Avg. Low		-	-	0.7571	0.3422
		Avg. Peak		-	-	0.9435	0.8982
		Hot Base		-	-	0.7945	0.5712
		Hot Low		-	-	0.8191	0.3293
		Hot Peak		-	-	0.9689	0.8804
	GE	Cold Base		-	-	0.7616	0.1337
		Cold Low		-	-	1.0547	0.1201
		Avg. Base		-	-	0.7678	0.1286
		Avg. Low		-	-	1.0860	0.1174
		Avg. Peak		-	-	0.9534	0.1706
		Hot Base		-	-	0.7751	0.1230
		Hot Low		-	-	1.1411	0.1095
		Hot Peak		-	-	0.9972	0.1711

NOTES TO TABLE 5.1B-5

INVERSION BREAKUP FUMIGATION ANALYSIS

Inversion breakup fumigation is generally a short-term phenomenon and was evaluated here as persisting for up to 90 minutes. SCREEN3 was used to model one-hour unit impacts from the turbines under 2.5 m/s winds and F stability (for fumigation impacts) and under all meteorological conditions (shown in the table as "Inversion Breakup Modeling Results from SCREEN3").

For longer-term averaging periods, impacts were calculated using the highest modeled impact from SCREEN3 for the corresponding averaging period.

Table 5.1B-6
Startup/Shutdown Modeling Inputs

	Stack Diam, m	Stack Height m	Temp, deg K	Exhaust Flow, m3/s	Exhaust Velocity, m/s	Emission Rates, g/s	
						NOx	CO
Averaging Period: One hour							
Gas Turbine 1	5.639	45.720	363.706	304.846	12.207	17.6400	63.0000
Gas Turbine 2	5.639	45.720	363.706	304.846	12.207	17.6400	63.0000
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	0.0505	0.0259
Averaging Period: Eight hours							
Gas Turbine 1	5.639	45.720	363.706	304.846	12.207	n/a	24.9715
Gas Turbine 2	5.639	45.720	363.706	304.846	12.207	n/a	24.9715
Auxiliary Boiler	0.762	9.144	463.706	5.693	12.484	n/a	0.0259

Figure 5.1B-1

Layout of the Receptor Grids

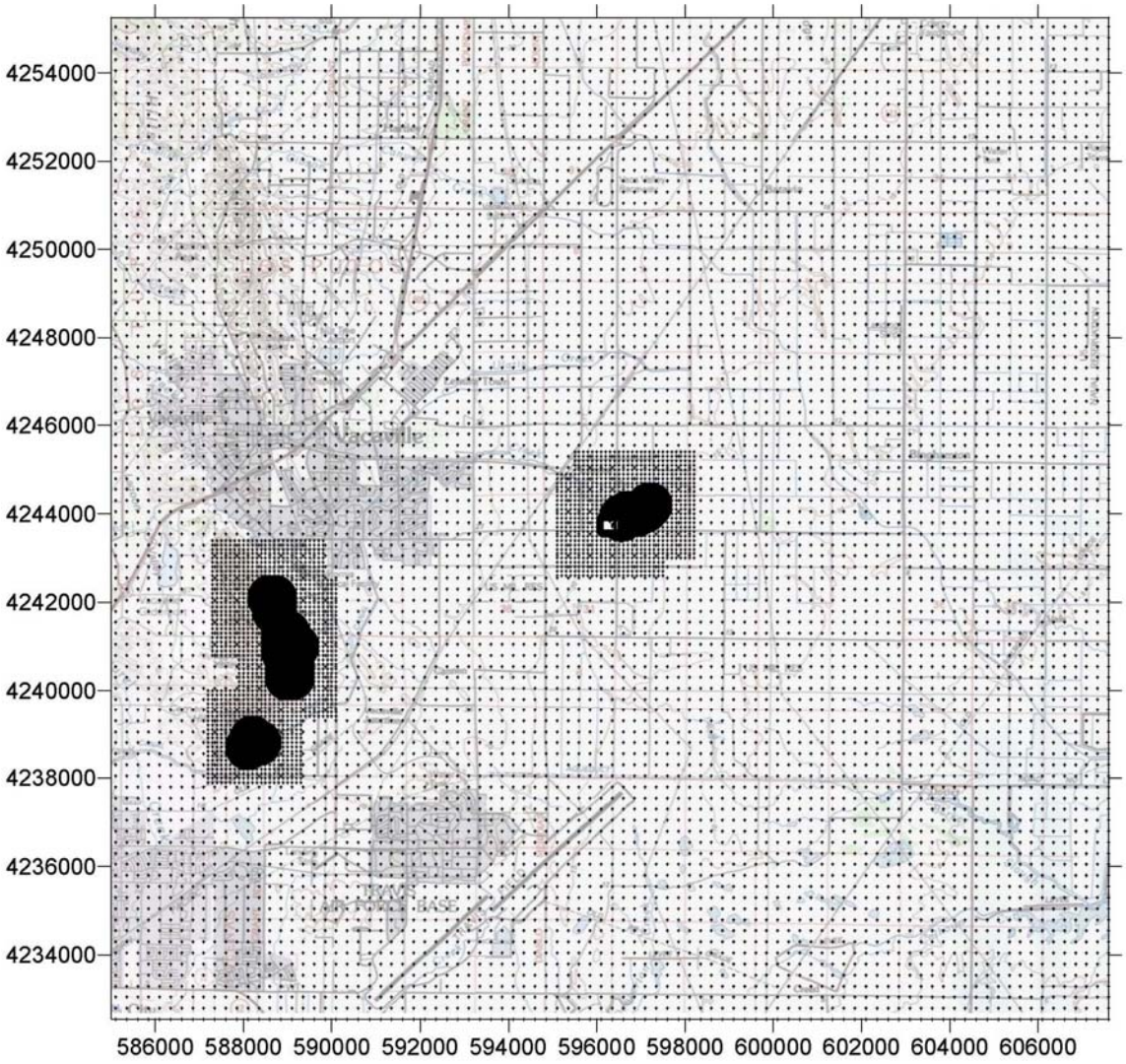

Table 5.1B-7
Commissioning Schedule for SGT6-5000F CTGs (Per GT)

Day	Commissioning Activity	Duration (hr)	GT Load (%)	Modeled Load (%)	Startup/Shutdown Emissions (lbs)				Natural Gas Use	Running Emissions (lbs)				Natural Gas Use	Total Emissions (lbs)				Natural Gas Use	Calculated Hourly Emissions (lbs/hr)			
					NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM
1	GT Testing (Full Speed No-Load (FSNL), Excitation Test, Dummy Synch Checks)	8	0	**50**	6	483	21	1	2474	370	30,018	1,289	92	153,752	376	30,501	1,310	93	156,226	47.0	3,812.6	163.8	11.6
2	GT Testing @ 40% load	8	0-40	**50**	126	3,712	105	12	35,529	1,475	13,971	572	90	403,519	1,601	17,683	677	102	439,048	200.1	2,210.4	84.6	12.8
3	Steam Blow/HRSG Tuning	12	0-25	**50**	69	2,648	77	8	19,888	1,686	41,064	892	136	462,406	1,755	43,712	969	144	482,294	146.3	3,642.7	80.8	12.0
4	Steam Blow/HRSG Tuning	12	0-50	**50**	157	3,971	120	15	48,447	850	5,176	593	96	697,169	1,007	9,147	713	111	745,616	83.9	762.3	59.4	9.3
5	Steam Blow	12	0-50	**50**	157	3,971	120	15	48,447	850	5,176	593	96	697,169	1,007	9,147	713	111	745,616	83.9	762.3	59.4	9.3
6	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
10	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
11	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
12	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
14	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

Table 5.1B-7
Commissioning Schedule for SGT6-5000F CTGs (Per GT)

Day	Commissioning Activity	Duration (hr)	GT Load (%)	Modeled Load (%)	Startup/Shutdown Emissions (lbs)				Natural Gas Use	Running Emissions (lbs)				Natural Gas Use	Total Emissions (lbs)				Natural Gas Use	Calculated Hourly Emissions (lbs/hr)			
					NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM
15	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
16	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
17	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
18	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
19	Steam Blow restoration, install SCR/CO Catalyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
20	Establish vacuum/HSRG Tuning/BOP Tuning	16	60	**50**	86	805	73	9	32,811	153	104	63	128	1,046,636	239	908	136	137	1,079,447	14.9	56.8	8.5	8.6
21	Establish vacuum/BOP Tuning	16	60	**50**	86	805	73	9	32,811	153	104	63	128	1,046,636	239	908	136	137	1,079,447	14.9	56.8	8.5	8.6
22	GT Load Test & Bypass Valve Tuning	16	60	**50**	86	805	73	9	32,811	153	104	63	128	1,046,636	239	908	136	137	1,079,447	14.9	56.8	8.5	8.6
23	GT Load Test & Bypass Valve Tuning	16	60	**50**	86	805	73	9	32,811	153	104	63	128	1,046,636	239	908	136	137	1,079,447	14.9	56.8	8.5	8.6
24	GT Load Test & Bypass Valve Tuning / Safety Valve Testing	12	75	**100**	87	805	74	10	41,264	135	36	18	96	919,646	222	842	92	106	960,910	18.5	70.2	7.7	8.8
25	GT Base Load / Commissioning of Ammonia system	12	100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
26	GT Load Test & Bypass Valve Tuning	12	100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
27	No Operation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
28	Install Emissions Test Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
29	Bypass Operation / STG Initial Roll & Trip Test	10	0-60	**50**	86	805	73	9	32,811	96	65	39	80	654,147	182	869	113	89	686,958	18.2	86.9	11.3	8.9
30	Bypass Operation / STG Load Test	16	0-60	**50**	86	805	73	9	32,811	153	104	63	128	1,046,636	239	908	136	137	1,079,447	14.9	56.8	8.5	8.6
31	GT on Bypass / STG Load Test	16	0-100	100	92	806	74	13	71,104	225	61	31	139	1,536,640	317	867	105	152	1,607,744	19.8	54.2	6.6	9.5
32	Combine Cycle	24	0-	100	49	524	48	7	36,789	338	91	46	208	2,304,961	386	615	93	215	2,341,750	16.1	25.6	3.9	9.0

Table 5.1B-7
Commissioning Schedule for SGT6-5000F CTGs (Per GT)

Day	Commissioning Activity	Duration (hr)	GT Load (%)	Modeled Load (%)	Startup/Shutdown Emissions (lbs)				Natural Gas Use	Running Emissions (lbs)				Natural Gas Use	Total Emissions (lbs)				Natural Gas Use	Calculated Hourly Emissions (lbs/hr)			
					NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM
	testing / Drift Test		100																				
33	Combine Cycle testing / Drift Test	24	100	100	43	282	27	6	34,315	338	91	46	208	2,304,961	380	374	73	214	2,339,275	15.8	15.6	3.0	8.9
34	Emissions Tuning / Drift Test	12	50-100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
35	Emissions Tuning / Drift Test	12	50-100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
36	Pre-performance Testing / Drift Test	12	100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
37	Pre-performance Testing / Drift Test	12	100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
38	Pre-performance Testing / Drift Test	12	100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
39	RATA / Pre-performance Testing / Source Testing	15	100	100	92	806	74	13	71,104	211	57	29	130	1,440,600	303	864	103	143	1,511,704	20.2	57.6	6.9	9.5
40	Pre-performance Testing / Source Testing	14	100	100	92	806	74	13	71,104	197	53	27	122	1,344,560	289	860	101	134	1,415,664	20.6	61.4	7.2	9.6
41	Pre-performance Testing / Source Testing	12	50-100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
42	Remove Emissions Test Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
43	No Operation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
44	Water Wash & Performance preparation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
45	Water Wash & Performance preparation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
46	Performance Testing	24	100	100	92	806	74	13	71,104	338	91	46	208	2,304,961	429	898	120	221	2,376,064	17.9	37.4	5.0	9.2
47	Performance Testing	24	100	100	92	806	74	13	71,104	338	91	46	208	2,304,961	429	898	120	221	2,376,064	17.9	37.4	5.0	9.2
48	CALISO Certification	12	50-100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
49	CALISO Certification	12	100	100	92	806	74	13	71,104	169	46	23	104	1,152,480	260	852	97	117	1,223,584	21.7	71.0	8.1	9.8
	Total =	415			2,590	33,316	2,140	323	1,530,579	9,902	97,021	4,812	3,589	34,287,432	12,478	130,337	6,952	3,911	35,818,008				
														Average Daily and Hourly Emission Rates =	254.7	2,659.9	141.9	79.8		30.1	314.1	16.8	9.4
														Maximum	1755.0	43,712.0	1310.0	221.0		200.1	3,812.6	163.8	12.8

Table 5.1B-7
Commissioning Schedule for SGT6-5000F CTGs (Per GT)

Day	Commissioning Activity	Duration (hr)	GT Load (%)	Modeled Load (%)	Startup/Shutdown Emissions (lbs)				Natural Gas Use	Running Emissions (lbs)				Natural Gas Use	Total Emissions (lbs)				Natural Gas Use	Calculated Hourly Emissions (lbs/hr)			
					NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM	(lbs)	NOx	CO	ROC	PM
														Daily and Hourly Emission Rates =									

Table 5.1B-8
Commissioning Modeling Inputs
Data For Each Turbine

Case	Amb Temp deg F	Stack height feet	Stack Height meters	Stack Diam feet	Stack Diam meters	Stack flow wacfm	Stack flow m3/sec	Stack Vel ft/sec	Stack Vel m/sec	Stack Temp deg F
Hot. Low	105.6	150.0	45.72	18.5	5.64	645,933	304.89	40.05	12.21	195.0
	NOx lb/hr	**CO lb/hr**	**PM10 lb/hr**	**SOx lb/hr**		**NOx g/sec**	**CO g/sec**	**PM10 g/sec**	**SOx g/sec**	
1-hr NO2 and CO impacts	140.00	3812.60	N/A	N/A		17.640	480.388	N/A	N/A	
8-hr CO Impacts	N/A	3812.60	N/A	N/A		N/A	480.388	N/A	N/A	

TABLE 5.1B-9
Summary of Commissioning Impacts

Pollutant	Averaging Time	Modeled Concentration ($\mu g/m^3$)
NO_2	1-hour	125.6
CO	1-hour	6,544
	8-hour	3,204

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
m	1/1/2004	8.7	1.6	10.3
m	1/2/2004	8.7	1.6	10.3
m	1/3/2004	8.7	1.3	10.0
m	1/4/2004	8.7	1.0	9.7
	1/5/2004	8.7	1.2	9.9
	1/6/2004	13.0	0.9	13.9
	1/7/2004	35.8	2.5	38.3
	1/8/2004	16.2	3.0	19.2
	1/9/2004	9.2	0.7	9.9
	1/10/2004	4.9	2.3	7.2
	1/11/2004	10.6	0.7	11.3
	1/12/2004	29.8	1.0	30.8
	1/13/2004	16.8	1.3	18.1
	1/14/2004	15.3	1.9	17.2
	1/15/2004	13.7	0.8	14.5
	1/16/2004	27.9	0.6	28.5
	1/17/2004	28.1	0.9	29.0
	1/18/2004	28.1	0.9	29.0
	1/19/2004	31.7	0.7	32.4
	1/20/2004	17.6	1.7	19.3
	1/21/2004	11.5	1.5	13.0
	1/22/2004	32.5	0.4	32.9
	1/23/2004	34.9	0.9	35.8
	1/24/2004	25.3	0.8	26.1
	1/25/2004	10.8	1.9	12.7
	1/26/2004	16.2	0.8	17.0
	1/27/2004	23.6	1.0	24.6
	1/28/2004	6.8	1.3	8.1
	1/29/2004	13.1	1.1	14.2
	1/30/2004	12.7	1.3	14.0

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	1/31/2004	2.4	1.2	3.6
	2/1/2004	11.2	1.3	12.5
	2/2/2004	8.5	1.4	9.9
	2/3/2004	9.5	1.6	11.1
	2/4/2004	6.2	1.3	7.5
	2/5/2004	3.7	0.8	4.5
	2/6/2004	21.5	1.1	22.6
	2/7/2004	1.7	1.0	2.7
	2/8/2004	2.7	3.0	5.7
	2/9/2004	3.1	3.9	7.0
	2/10/2004	2.8	2.6	5.4
	2/11/2004	20.2	2.7	22.9
	2/12/2004	25.3	1.3	26.6
	2/13/2004	17.9	1.1	19.0
	2/14/2004	11.1	1.4	12.5
	2/15/2004	19.4	1.0	20.4
m	2/16/2004	14.2	1.5	15.8
m	2/17/2004	11.7	1.7	13.4
m	2/18/2004	10.4	1.4	11.8
	2/19/2004	9.1	1.7	10.8
	2/20/2004	15.6	1.2	16.8
	2/21/2004	16.8	1.0	17.8
	2/22/2004	10.5	1.4	11.9
	2/23/2004	5.3	1.1	6.4
	2/24/2004	7.3	1.2	8.5
	2/25/2004	7.2	1.2	8.4
	2/26/2004	4.2	1.7	5.9
	2/27/2004	7.1	1.0	8.1
	2/28/2004	4.1	1.7	5.8
	2/29/2004	4.2	2.6	6.8
	3/1/2004	7.5	1.0	8.5

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	3/2/2004	10.8	3.3	14.1
	3/3/2004	3.6	1.9	5.5
	3/4/2004	4.7	1.9	6.6
	3/5/2004	5.0	1.4	6.4
	3/6/2004	6.5	1.3	7.8
	3/7/2004	10.6	1.0	11.6
	3/8/2004	6.4	1.1	7.5
	3/9/2004	5.2	2.3	7.5
	3/10/2004	3.0	3.4	6.4
	3/11/2004	4.5	0.7	5.2
	3/12/2004	5.6	1.5	7.1
	3/13/2004	6.9	1.3	8.2
	3/14/2004	10.2	1.5	11.7
	3/15/2004	6.0	3.3	9.3
	3/16/2004	3.7	3.2	6.9
	3/17/2004	6.2	1.8	8.0
	3/18/2004	12.7	2.0	14.7
	3/19/2004	6.7	2.1	8.8
	3/20/2004	10.9	1.8	12.7
	3/21/2004	9.9	1.3	11.2
	3/22/2004	10.7	2.4	13.1
	3/23/2004	5.7	2.2	7.9
	3/24/2004	4.6	2.9	7.5
	3/25/2004	5.1	1.3	6.4
	3/26/2004	3.6	1.8	5.4
	3/27/2004	3.5	1.2	4.7
	3/28/2004	6.3	1.5	7.8
	3/29/2004	10.6	2.0	12.6
	3/30/2004	4.1	3.1	7.2
	3/31/2004	3.3	2.1	5.4
	4/1/2004	4.2	2.9	7.1

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	4/2/2004	4.1	2.1	6.2
	4/3/2004	7.6	2.0	9.6
	4/4/2004	8.3	3.7	12.0
	4/5/2004	6.3	3.9	10.2
	4/6/2004	6.7	1.7	8.4
	4/7/2004	6.8	2.2	9.0
	4/8/2004	7.8	4.0	11.8
	4/9/2004	8.6	2.0	10.6
	4/10/2004	5.9	1.5	7.4
	4/11/2004	8.2	3.4	11.6
	4/12/2004	6.7	3.5	10.2
	4/13/2004	4.9	1.8	6.7
m	4/14/2004	3.9	1.8	5.7
	4/15/2004	2.9	1.4	4.3
	4/16/2004	2.3	1.5	3.8
	4/17/2004	2.9	1.9	4.8
	4/18/2004	3.4	1.5	4.9
	4/19/2004	9.3	1.4	10.7
	4/20/2004	6.7	1.9	8.6
	4/21/2004	5.5	1.7	7.2
	4/22/2004	2.3	3.1	5.4
	4/23/2004	3.2	1.9	5.1
	4/24/2004	4.3	2.3	6.6
	4/25/2004	4.7	1.4	6.1
	4/26/2004	7.5	1.4	8.9
	4/27/2004	8.7	1.6	10.3
	4/28/2004	8.2	2.4	10.6
	4/29/2004	3.6	1.9	5.5
	4/30/2004	7.3	2.6	9.9
	5/1/2004	8.2	2.8	11.0
	5/2/2004	6.2	2.3	8.5

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	5/3/2004	7.5	4.1	11.6
	5/4/2004	5.6	5.8	11.4
	5/5/2004	3.3	3.4	6.7
	5/6/2004	2.3	2.5	4.8
	5/7/2004	4.0	1.3	5.3
	5/8/2004	1.2	2.4	3.6
	5/9/2004	3.8	2.5	6.3
	5/10/2004	5.1	2.3	7.4
	5/11/2004	1.9	2.2	4.1
	5/12/2004	2.4	2.7	5.1
	5/13/2004	6.0	4.9	10.9
	5/14/2004	6.8	4.5	11.3
	5/15/2004	5.1	4.2	9.3
	5/16/2004	3.3	3.7	7.0
	5/17/2004	3.6	3.3	6.9
	5/18/2004	3.3	2.8	6.1
	5/19/2004	3.7	4.2	7.9
	5/20/2004	5.0	4.8	9.8
	5/21/2004	4.1	6.1	10.2
	5/22/2004	3.1	5.4	8.5
	5/23/2004	3.3	3.6	6.9
	5/24/2004	9.0	2.5	11.5
	5/25/2004	10.5	3.1	13.6
	5/26/2004	10.5	5.2	15.7
	5/27/2004	2.9	4.4	7.3
	5/28/2004	1.6	2.2	3.8
	5/29/2004	2.4	1.7	4.1
	5/30/2004	4.0	2.5	6.5
	5/31/2004	7.3	2.5	9.8
	6/1/2004	7.1	3.0	10.1
	6/2/2004	7.7	3.1	10.8

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	6/3/2004	8.5	4.5	13.0
	6/4/2004	9.1	4.2	13.3
	6/5/2004	5.1	2.4	7.5
	6/6/2004	2.1	3.5	5.6
	6/7/2004	2.5	3.9	6.4
	6/8/2004	3.2	3.0	6.2
	6/9/2004	6.9	3.7	10.6
	6/10/2004	7.2	3.2	10.4
	6/11/2004	10.2	4.8	15.0
	6/12/2004	8.9	3.2	12.1
	6/13/2004	5.5	4.2	9.7
	6/14/2004	10.6	2.5	13.1
	6/15/2004	5.2	1.5	6.7
	6/16/2004	7.5	3.2	10.7
	6/17/2004	8.0	2.6	10.6
	6/18/2004	8.4	4.0	12.4
	6/19/2004	7.0	4.5	11.5
	6/20/2004	7.6	6.1	13.7
	6/21/2004	9.9	7.2	17.1
	6/22/2004	9.9	5.3	15.2
m	6/23/2004	7.5	4.0	11.5
	6/24/2004	5.1	3.6	8.7
	6/25/2004	4.7	2.8	7.5
	6/26/2004	3.8	3.9	7.7
	6/27/2004	5.4	4.3	9.7
	6/28/2004	8.7	4.6	13.3
	6/29/2004	7.5	2.8	10.3
	6/30/2004	6.3	3.0	9.3
	7/1/2004	7.5	4.2	11.7
	7/2/2004	8.6	1.4	10.0
	7/3/2004	7.5	4.7	12.2

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	7/4/2004	9.3	2.7	12.0
	7/5/2004	8.6	4.5	13.1
	7/6/2004	6.7	5.8	12.5
	7/7/2004	6.0	3.5	9.5
	7/8/2004	6.3	2.1	8.4
	7/9/2004	5.6	3.5	9.1
	7/10/2004	6.7	4.0	10.7
	7/11/2004	8.0	4.2	12.2
m	7/12/2004	8.3	3.2	11.5
	7/13/2004	8.6	4.0	12.6
	7/14/2004	7.9	3.5	11.4
	7/15/2004	6.4	4.5	10.9
	7/16/2004	3.6	5.4	9.0
	7/17/2004	3.2	4.1	7.3
	7/18/2004	2.3	4.2	6.5
	7/19/2004	1.7	4.3	6.0
	7/20/2004	3.8	4.8	8.6
	7/21/2004	6.9	5.9	12.8
	7/22/2004	8.3	6.4	14.7
	7/23/2004	5.8	6.6	12.4
	7/24/2004	2.8	4.0	6.8
	7/25/2004	5.0	3.2	8.2
	7/26/2004	8.7	4.9	13.6
	7/27/2004	8.7	5.2	13.9
	7/28/2004	9.3	3.3	12.6
	7/29/2004	3.3	3.4	6.7
	7/30/2004	4.0	2.7	6.7
	7/31/2004	7.5	2.8	10.3
	8/1/2004	6.8	2.5	9.3
	8/2/2004	5.8	2.6	8.4
	8/3/2004	9.0	3.0	12.0

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	8/4/2004	4.4	3.4	7.8
	8/5/2004	4.2	2.2	6.4
	8/6/2004	2.9	4.0	6.9
	8/7/2004	2.3	1.8	4.1
	8/8/2004	4.1	2.8	6.9
	8/9/2004	6.1	5.3	11.4
	8/10/2004	8.5	4.0	12.5
	8/11/2004	9.2	1.7	10.9
	8/12/2004	8.1	5.1	13.2
	8/13/2004	6.0	2.9	8.9
	8/14/2004	4.8	1.1	5.9
	8/15/2004	7.4	2.4	9.8
	8/16/2004	4.9	3.1	8.0
	8/17/2004	5.7	2.1	7.8
	8/18/2004	7.7	4.4	12.1
	8/19/2004	7.7	3.2	10.9
	8/20/2004	5.1	2.3	7.4
	8/21/2004	4.0	1.5	5.5
	8/22/2004	2.7	0.7	3.4
	8/23/2004	3.2	1.9	5.1
	8/24/2004	3.6	2.1	5.7
m	8/25/2004	3.7	2.0	5.7
m	8/26/2004	3.7	0.4	4.1
	8/27/2004	3.8	1.0	4.8
	8/28/2004	3.5	1.2	4.7
	8/29/2004	7.4	3.0	10.4
	8/30/2004	8.3	4.2	12.5
	8/31/2004	7.9	6.4	14.3
	9/1/2004	4.7	3.8	8.5
	9/2/2004	7.3	1.6	8.9
	9/3/2004	10.6	2.9	13.5

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	9/4/2004	3.4	0.9	4.3
	9/5/2004	8.4	1.3	9.7
	9/6/2004	9.8	1.5	11.3
	9/7/2004	9.5	2.2	11.7
	9/8/2004	18.3	1.5	19.8
	9/9/2004	12.4	2.7	15.1
	9/10/2004	7.8	3.4	11.2
	9/11/2004	5.0	3.2	8.2
	9/12/2004	2.6	2.9	5.5
	9/13/2004	3.5	2.8	6.3
	9/14/2004	5.5	1.9	7.4
	9/15/2004	2.8	1.0	3.8
	9/16/2004	3.7	2.2	5.9
	9/17/2004	6.4	2.6	9.0
	9/18/2004	1.8	1.2	3.0
	9/19/2004	2.1	0.8	2.9
	9/20/2004	3.0	2.6	5.6
	9/21/2004	2.4	1.3	3.7
	9/22/2004	6.4	2.0	8.4
	9/23/2004	8.2	1.0	9.2
	9/24/2004	8.5	2.0	10.5
	9/25/2004	6.4	2.7	9.1
	9/26/2004	6.5	1.8	8.3
	9/27/2004	6.5	2.7	9.2
	9/28/2004	8.5	3.7	12.2
	9/29/2004	7.1	3.0	10.1
	9/30/2004	8.8	2.5	11.3
m	10/1/2004	9.5	2.6	12.0
	10/2/2004	10.1	2.2	12.3
	10/3/2004	9.2	3.4	12.6
	10/4/2004	5.2	6.0	11.2

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	10/5/2004	8.7	3.6	12.3
	10/6/2004	8.2	1.8	10.0
	10/7/2004	5.9	2.3	8.2
	10/8/2004	3.3	2.5	5.8
	10/9/2004	2.1	1.5	3.6
	10/10/2004	7.9	2.9	10.8
	10/11/2004	11.7	3.3	15.0
	10/12/2004	8.3	2.2	10.5
	10/13/2004	10.2	1.0	11.2
	10/14/2004	20.0	0.7	20.7
	10/15/2004	14.7	1.7	16.4
	10/16/2004	6.9	1.8	8.7
	10/17/2004	3.8	0.6	4.4
	10/18/2004	3.1	1.4	4.5
	10/19/2004	6.2	1.4	7.6
	10/20/2004	3.2	1.8	5.0
	10/21/2004	2.4	1.3	3.7
	10/22/2004	12.0	1.6	13.6
	10/23/2004	10.3	1.0	11.3
	10/24/2004	8.1	2.8	10.9
	10/25/2004	3.4	1.6	5.0
	10/26/2004	3.2	1.4	4.6
	10/27/2004	2.8	2.1	4.9
	10/28/2004	8.1	1.2	9.3
	10/29/2004	10.8	2.1	12.9
	10/30/2004	14.8	2.1	16.9
	10/31/2004	5.7	5.1	10.8
	11/1/2004	5.1	1.4	6.5
	11/2/2004	22.6	0.9	23.5
	11/3/2004	7.7	0.8	8.5
	11/4/2004	5.9	2.8	8.7

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	11/5/2004	5.4	1.3	6.7
	11/6/2004	12.3	0.8	13.1
	11/7/2004	27.1	1.6	28.7
	11/8/2004	18.7	1.5	20.2
	11/9/2004	10.9	0.7	11.6
	11/10/2004	22.6	1.9	24.5
	11/11/2004	14.9	1.1	16.0
	11/12/2004	8.2	1.5	9.7
	11/13/2004	12.1	1.8	13.9
	11/14/2004	24.0	1.5	25.5
	11/15/2004	21.0	2.2	23.2
	11/16/2004	21.9	0.3	22.2
	11/17/2004	22.2	0.7	22.9
	11/18/2004	32.2	0.5	32.7
	11/19/2004	15.0	2.8	17.8
	11/20/2004	7.3	2.4	9.7
	11/21/2004	5.2	3.5	8.7
	11/22/2004	15.8	1.8	17.6
	11/23/2004	33.7	2.3	36.0
	11/24/2004	46.7	0.8	47.5
	11/25/2004	48.7	1.4	50.1
	11/26/2004	26.4	0.6	27.0
	11/27/2004	12.5	2.6	15.1
	11/28/2004	4.4	4.5	8.9
	11/29/2004	12.8	1.2	14.0
	11/30/2004	18.5	1.4	19.9
	12/1/2004	14.0	0.5	14.5
	12/2/2004	6.7	4.0	10.7
	12/3/2004	12.2	1.2	13.4
	12/4/2004	49.5	2.2	51.7
	12/5/2004	38.3	2.3	40.6

Table 5.1B-10a 2004 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	12/6/2004	14.2	1.1	15.3
	12/7/2004	14.5	1.6	16.1
	12/8/2004	14.7	1.8	16.5
	12/9/2004	15.7	1.0	16.7
	12/10/2004	8.5	2.1	10.6
	12/11/2004	6.5	1.1	7.6
	12/12/2004	28.3	0.9	29.2
	12/13/2004	26.3	0.6	26.9
	12/14/2004	8.5	1.1	9.6
	12/15/2004	13.8	1.1	14.9
	12/16/2004	25.9	1.4	27.3
	12/17/2004	15.7	0.7	16.4
	12/18/2004	20.9	1.0	21.9
	12/19/2004	20.0	0.7	20.7
	12/20/2004	17.2	0.6	17.8
	12/21/2004	11.6	0.3	11.9
	12/22/2004	19.6	1.1	20.7
	12/23/2004	8.6	2.4	11.0
	12/24/2004	31.7	0.9	32.6
	12/25/2004	19.4	0.6	20.0
	12/26/2004	26.8	1.5	28.3
	12/27/2004	10.1	1.5	11.6
	12/28/2004	7.9	0.8	8.7
	12/29/2004	14.2	1.0	15.2
	12/30/2004	3.8	1.6	5.4
	12/31/2004	5.5	1.4	6.9

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	1/1/2005	4.9	1.5	6.4
	1/2/2005	10.2	0.9	11.1
	1/3/2005	5.6	3.2	8.8
	1/4/2005	10.5	1.3	11.8
	1/5/2005	23.7	3.0	26.7
	1/6/2005	19.4	1.0	20.4
	1/7/2005	10.0	1.0	11.0
	1/8/2005	4.2	1.6	5.8
	1/9/2005	5.2	1.0	6.2
	1/10/2005	10.9	0.5	11.4
	1/11/2005	4.0	1.4	5.4
	1/12/2005	8.5	0.8	9.3
	1/13/2005	15.3	1.5	16.8
	1/14/2005	18.8	0.9	19.7
	1/15/2005	31.7	0.9	32.6
	1/16/2005	25.9	1.4	27.3
	1/17/2005	21.9	0.9	22.8
	1/18/2005	19.6	0.6	20.2
	1/19/2005	17.0	1.0	18.0
	1/20/2005	9.5	0.9	10.4
	1/21/2005	13.7	0.7	14.4
	1/22/2005	15.4	0.9	16.3
	1/23/2005	10.0	1.1	11.1
	1/24/2005	16.2	1.1	17.3
	1/25/2005	27.3	1.5	28.8
	1/26/2005	18.2	0.9	19.1
	1/27/2005	10.7	1.1	11.8
	1/28/2005	6.6	1.5	8.1
	1/29/2005	7.7	1.8	9.5
	1/30/2005	8.9	1.1	10.0

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	1/31/2005	24.0	0.8	24.8
	2/1/2005	7.3	3.1	10.4
	2/2/2005	28.8	0.7	29.5
	2/3/2005	46.1	0.9	47.0
	2/4/2005	59.5	2.8	62.3
	2/5/2005	21.5	1.2	22.7
	2/6/2005	5.7	1.8	7.5
	2/7/2005	6.1	1.9	8.0
	2/8/2005	11.4	1.3	12.7
	2/9/2005	7.9	3.7	11.6
	2/10/2005	8.1	1.3	9.4
	2/11/2005	7.5	0.7	8.2
	2/12/2005	19.3	1.6	20.9
	2/13/2005	15.2	1.4	16.6
	2/14/2005	15.3	1.9	17.2
	2/15/2005	12.4	3.1	15.5
	2/16/2005	7.7	3.9	11.6
	2/17/2005	4.8	3.2	8.0
	2/18/2005	9.6	1.1	10.7
	2/19/2005	7.9	1.6	9.5
	2/20/2005	4.8	0.8	5.6
	2/21/2005	4.2	4.1	8.3
	2/22/2005	4.3	2.4	6.7
	2/23/2005	8.7	2.6	11.3
	2/24/2005	11.7	1.9	13.6
m	2/25/2005	15.8	0.9	16.7
	2/26/2005	19.9	0.6	20.5
	2/27/2005	21.0	0.6	21.6
m	2/28/2005	14.8	0.7	15.5
	3/1/2005	8.5	0.8	9.3
	3/2/2005	5.9	2.4	8.3

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	3/3/2005	9.3	1.2	10.5
	3/4/2005	8.6	1.9	10.5
	3/5/2005	8.6	0.8	9.4
	3/6/2005	17.4	1.8	19.2
	3/7/2005	14.0	1.4	15.4
	3/8/2005	23.1	1.2	24.3
	3/9/2005	27.3	0.6	27.9
	3/10/2005	8.6	1.8	10.4
	3/11/2005	5.4	1.1	6.5
	3/12/2005	15.7	1.8	17.5
	3/13/2005	11.6	2.0	13.6
m	3/14/2005	9.9	3.6	13.5
	3/15/2005	8.2	1.1	9.3
	3/16/2005	14.4	1.9	16.3
	3/17/2005	11.4	1.4	12.8
	3/18/2005	14.2	0.3	14.5
	3/19/2005	10.8	1.5	12.3
	3/20/2005	6.3	2.2	8.5
	3/21/2005	6.7	1.7	8.4
	3/22/2005	5.2	1.3	6.5
	3/23/2005	6.5	1.6	8.1
	3/24/2005	8.8	1.2	10.0
	3/25/2005	9.5	1.1	10.6
	3/26/2005	10.9	0.9	11.8
	3/27/2005	14.1	1.3	15.4
	3/28/2005	6.3	1.4	7.7
	3/29/2005	7.4	1.1	8.5
	3/30/2005	9.5	2.4	11.9
	3/31/2005	8.2	1.1	9.3
	4/1/2005	14.8	1.3	16.1
	4/2/2005	11.7	2.5	14.2

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	4/3/2005	9.9	1.2	11.1
	4/4/2005	7.7	1.0	8.7
	4/5/2005	8.7	0.8	9.5
	4/6/2005	11.2	2.5	13.7
	4/7/2005	4.7	1.5	6.2
	4/8/2005	5.2	1.0	6.2
	4/9/2005	5.6	1.2	6.8
	4/10/2005	7.3	1.0	8.3
	4/11/2005	7.5	2.2	9.7
	4/12/2005	6.6	1.1	7.7
	4/13/2005	4.5	1.7	6.2
	4/14/2005	5.3	2.5	7.8
	4/15/2005	5.7	1.9	7.6
	4/16/2005	7.9	1.6	9.5
	4/17/2005	4.8	2.4	7.2
	4/18/2005	4.4	1.5	5.9
	4/19/2005	4.8	2.5	7.3
	4/20/2005	5.9	2.1	8.0
	4/21/2005	9.5	1.6	11.1
	4/22/2005	11.7	1.2	12.9
	4/23/2005	6.7	0.7	7.4
	4/24/2005	6.1	1.4	7.5
	4/25/2005	8.2	1.8	10.0
	4/26/2005	8.4	1.5	9.9
	4/27/2005	6.6	1.3	7.9
	4/28/2005	5.6	1.0	6.6
	4/29/2005	7.2	2.6	9.8
	4/30/2005	6.7	1.8	8.5
	5/1/2005	5.5	2.0	7.5
	5/2/2005	6.4	2.0	8.4
	5/3/2005	5.6	3.7	9.3

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	5/4/2005	4.9	2.3	7.2
	5/5/2005	5.3	1.5	6.8
	5/6/2005	4.5	2.3	6.8
	5/7/2005	3.4	2.3	5.7
	5/8/2005	4.5	1.1	5.6
	5/9/2005	3.5	1.7	5.2
	5/10/2005	5.2	1.4	6.6
	5/11/2005	4.9	2.3	7.2
	5/12/2005	7.5	1.7	9.2
	5/13/2005	8.6	2.8	11.4
	5/14/2005	8.0	2.3	10.3
	5/15/2005	2.3	2.1	4.4
	5/16/2005	6.0	1.9	7.9
	5/17/2005	6.3	1.5	7.8
	5/18/2005	7.0	1.1	8.1
	5/19/2005	4.2	1.0	5.2
	5/20/2005	4.9	1.6	6.5
	5/21/2005	5.7	1.8	7.5
	5/22/2005	5.9	2.7	8.6
	5/23/2005	8.6	2.4	11.0
	5/24/2005	7.7	1.7	9.4
	5/25/2005	11.5	3.0	14.5
	5/26/2005	12.4	6.6	19.0
	5/27/2005	11.7	5.0	16.7
	5/28/2005	10.5	2.6	13.1
	5/29/2005	9.7	1.7	11.4
	5/30/2005	8.5	2.2	10.7
	5/31/2005	14.1	1.9	16.0
	6/1/2005	6.6	1.6	8.2
	6/2/2005	7.2	2.0	9.2
	6/3/2005	9.9	2.8	12.7

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	6/4/2005	12.2	2.1	14.3
	6/5/2005	8.5	2.0	10.5
	6/6/2005	4.9	1.6	6.5
m	6/7/2005	7.1	1.6	8.7
m	6/8/2005	6.2	2.0	8.2
m	6/9/2005	5.7	1.9	7.6
m	6/10/2005	5.5	2.4	7.9
m	6/11/2005	5.4	3.3	8.7
m	6/12/2005	5.3	1.9	7.2
m	6/13/2005	5.3	2.3	7.6
m	6/14/2005	5.3	2.6	7.9
m	6/15/2005	5.3	2.9	8.2
m	6/16/2005	5.3	2.3	7.5
m	6/17/2005	5.3	1.8	7.1
m	6/18/2005	5.3	1.4	6.7
m	6/19/2005	5.3	2.1	7.4
m	6/20/2005	5.3	3.7	8.9
m	6/21/2005	5.3	3.2	8.5
	6/22/2005	6.5	2.8	9.3
	6/23/2005	7.5	2.1	9.6
	6/24/2005	5.4	2.0	7.4
	6/25/2005	5.5	2.8	8.3
	6/26/2005	3.7	2.5	6.2
	6/27/2005	2.4	2.7	5.1
	6/28/2005	5.8	2.1	7.9
	6/29/2005	12.5	2.4	14.9
	6/30/2005	8.6	3.3	11.9
	7/1/2005	10.1	4.5	14.6
	7/2/2005	15.9	3.4	19.3
	7/3/2005	25.3	3.7	29.0
	7/4/2005	18.7	4.2	22.9

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	7/5/2005	15.3	3.3	18.6
	7/6/2005	7.0	4.6	11.6
	7/7/2005	6.5	4.4	10.9
	7/8/2005	4.7	2.5	7.2
	7/9/2005	2.7	3.4	6.1
	7/10/2005	1.7	3.5	5.2
	7/11/2005	3.0	2.9	5.9
	7/12/2005	6.2	3.1	9.3
	7/13/2005	9.4	2.0	11.4
	7/14/2005	17.9	2.7	20.6
	7/15/2005	10.3	3.1	13.4
	7/16/2005	10.5	3.1	13.6
	7/17/2005	11.2	4.9	16.1
	7/18/2005	9.9	5.7	15.6
	7/19/2005	5.9	2.8	8.7
	7/20/2005	6.9	3.0	9.9
	7/21/2005	7.7	4.2	11.9
	7/22/2005	7.2	3.0	10.2
	7/23/2005	8.0	1.7	9.7
	7/24/2005	11.1	1.9	13.0
	7/25/2005	12.0	2.7	14.7
	7/26/2005	12.2	4.2	16.4
	7/27/2005	12.7	3.3	16.0
	7/28/2005	7.9	4.7	12.6
	7/29/2005	8.7	2.6	11.3
	7/30/2005	9.1	3.4	12.5
	7/31/2005	9.6	3.1	12.7
	8/1/2005	4.2	4.4	8.6
	8/2/2005	6.3	4.8	11.1
	8/3/2005	12.3	3.3	15.6
	8/4/2005	11.0	3.3	14.3

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	8/5/2005	8.0	3.3	11.3
	8/6/2005	6.1	2.9	9.0
	8/7/2005	9.8	4.5	14.3
	8/8/2005	8.7	5.2	13.9
	8/9/2005	10.1	4.5	14.6
	8/10/2005	10.7	4.0	14.7
	8/11/2005	14.3	2.4	16.7
	8/12/2005	17.4	4.0	21.4
	8/13/2005	15.7	5.1	20.8
	8/14/2005	10.5	3.0	13.5
	8/15/2005	9.7	2.6	12.3
	8/16/2005	11.5	2.3	13.8
	8/17/2005	9.5	3.6	13.1
	8/18/2005	2.4	2.5	4.9
	8/19/2005	2.6	3.3	5.9
	8/20/2005	3.3	4.3	7.6
	8/21/2005	4.5	4.2	8.7
	8/22/2005	7.0	3.4	10.4
	8/23/2005	7.2	3.0	10.2
	8/24/2005	11.5	1.9	13.4
	8/25/2005	11.7	2.2	13.9
	8/26/2005	10.0	2.1	12.1
	8/27/2005	6.6	2.4	9.0
	8/28/2005	3.5	2.8	6.3
	8/29/2005	5.7	3.4	9.1
	8/30/2005	6.9	2.9	9.8
	8/31/2005	3.3	1.7	5.0
	9/1/2005	9.3	4.1	13.4
	9/2/2005	8.0	5.0	13.0
	9/3/2005	5.7	4.0	9.7
	9/4/2005	6.7	3.6	10.3

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	9/5/2005	4.9	2.4	7.3
	9/6/2005	8.1	3.1	11.2
	9/7/2005	9.5	2.4	11.9
	9/8/2005	4.2	2.6	6.8
	9/9/2005	3.7	3.1	6.8
	9/10/2005	5.2	2.3	7.5
	9/11/2005	6.2	2.8	9.0
	9/12/2005	6.4	2.9	9.3
	9/13/2005	4.6	3.4	8.0
	9/14/2005	6.2	2.9	9.1
	9/15/2005	7.3	1.9	9.2
	9/16/2005	5.2	2.0	7.2
	9/17/2005	5.0	2.2	7.2
	9/18/2005	2.8	1.8	4.6
	9/19/2005	5.2	1.7	6.9
	9/20/2005	6.5	2.3	8.8
	9/21/2005	11.3	2.0	13.3
	9/22/2005	8.4	2.4	10.8
	9/23/2005	7.6	2.8	10.4
	9/24/2005	3.2	0.9	4.1
	9/25/2005	4.1	1.1	5.2
	9/26/2005	6.1	1.1	7.2
	9/27/2005	9.8	2.0	11.8
	9/28/2005	6.8	1.6	8.4
	9/29/2005	11.3	1.0	12.3
	9/30/2005	13.0	1.3	14.3
	10/1/2005	2.7	2.6	5.3
	10/2/2005	2.0	1.9	3.9
	10/3/2005	2.3	1.6	3.9
	10/4/2005	1.9	1.0	2.9
	10/5/2005	6.3	2.5	8.8

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	10/6/2005	6.0	2.1	8.1
	10/7/2005	6.0	2.1	8.1
	10/8/2005	6.7	2.1	8.8
	10/9/2005	4.9	2.3	7.2
	10/10/2005	5.6	1.1	6.7
	10/11/2005	9.7	2.6	12.3
	10/12/2005	11.8	2.7	14.5
	10/13/2005	14.3	1.6	15.9
	10/14/2005	12.5	1.4	13.9
	10/15/2005	5.9	1.9	7.8
	10/16/2005	4.9	2.8	7.7
	10/17/2005	7.2	1.3	8.5
	10/18/2005	9.1	1.9	11.0
	10/19/2005	11.3	1.9	13.2
	10/20/2005	15.0	1.8	16.8
	10/21/2005	12.8	1.5	14.3
	10/22/2005	13.6	1.8	15.4
	10/23/2005	10.0	2.2	12.2
	10/24/2005	10.5	2.2	12.7
	10/25/2005	5.9	3.0	8.9
	10/26/2005	7.0	1.2	8.2
	10/27/2005	8.0	2.1	10.1
	10/28/2005	11.8	1.5	13.3
	10/29/2005	8.9	1.9	10.8
	10/30/2005	4.9	1.5	6.4
	10/31/2005	7.3	0.7	8.0
	11/1/2005	16.1	1.4	17.5
	11/2/2005	5.9	2.7	8.6
	11/3/2005	5.8	1.6	7.4
	11/4/2005	5.8	1.5	7.3
	11/5/2005	6.5	1.9	8.4

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	11/6/2005	4.7	1.6	6.3
	11/7/2005	14.6	1.1	15.7
	11/8/2005	3.7	4.5	8.2
	11/9/2005	5.2	1.9	7.1
	11/10/2005	10.7	2.0	12.7
	11/11/2005	8.1	1.8	9.9
	11/12/2005	7.0	1.9	8.9
	11/13/2005	7.8	1.2	9.0
	11/14/2005	4.7	2.9	7.6
	11/15/2005	4.0	3.1	7.1
	11/16/2005	6.3	2.0	8.3
	11/17/2005	9.2	1.4	10.6
	11/18/2005	8.4	0.8	9.2
	11/19/2005	9.7	1.9	11.6
	11/20/2005	12.9	3.0	15.9
	11/21/2005	9.7	1.5	11.2
	11/22/2005	8.1	1.1	9.2
	11/23/2005	8.3	0.6	8.9
	11/24/2005	16.9	0.9	17.8
	11/25/2005	14.2	1.3	15.5
	11/26/2005	5.0	1.6	6.6
	11/27/2005	5.3	0.5	5.8
	11/28/2005	16.5	0.7	17.2
	11/29/2005	13.3	0.6	13.9
	11/30/2005	8.6	1.4	10.0
	12/1/2005	15.0	1.0	16.0
	12/2/2005	2.5	0.9	3.4
	12/3/2005	5.0	2.6	7.6
	12/4/2005	7.9	2.5	10.4
	12/5/2005	7.8	1.9	9.7
	12/6/2005	8.2	0.7	8.9

Table 5.1B-10b 2005 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	12/7/2005	30.9	1.6	32.5
	12/8/2005	21.2	2.2	23.4
	12/9/2005	3.0	2.8	5.8
	12/10/2005	30.4	1.3	31.7
	12/11/2005	23.2	1.0	24.2
	12/12/2005	11.6	0.6	12.2
	12/13/2005	21.0	1.4	22.4
	12/14/2005	19.8	1.0	20.8
	12/15/2005	22.0	0.9	22.9
	12/16/2005	37.9	0.7	38.6
	12/17/2005	23.7	4.1	27.8
	12/18/2005	3.4	1.3	4.7
	12/19/2005	5.8	1.4	7.2
	12/20/2005	17.5	1.7	19.2
	12/21/2005	21.5	1.0	22.5
	12/22/2005	15.4	1.8	17.2
	12/23/2005	6.8	1.0	7.8
	12/24/2005	11.0	1.0	12.0
	12/25/2005	11.6	1.0	12.6
	12/26/2005	6.4	0.9	7.3
	12/27/2005	7.2	1.1	8.3
	12/28/2005	8.3	1.0	9.3
	12/29/2005	4.4	0.6	5.0
	12/30/2005	13.7	1.5	15.2
	12/31/2005	5.5	0.9	6.4

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	1/1/2006	3.3	1.4	4.7
	1/2/2006	4.6	1.2	5.8
	1/3/2006	5.0	1.6	6.6
	1/4/2006	5.7	2.8	8.5
	1/5/2006	5.6	1.2	6.8
	1/6/2006	9.3	0.8	10.1
	1/7/2006	3.0	1.8	4.8
	1/8/2006	2.0	1.7	3.7
	1/9/2006	4.6	0.9	5.5
	1/10/2006	14.3	1.2	15.5
	1/11/2006	25.0	1.2	26.2
	1/12/2006	10.6	1.1	11.7
	1/13/2006	34.2	0.8	35.0
	1/14/2006	4.1	1.5	5.6
	1/15/2006	1.3	1.5	2.8
	1/16/2006	3.3	0.8	4.1
	1/17/2006	17.4	1.6	19.0
	1/18/2006	9.7	0.8	10.5
	1/19/2006	2.6	2.7	5.3
	1/20/2006	5.1	0.9	6.0
	1/21/2006	8.8	3.2	12.0
	1/22/2006	3.8	3.2	7.0
	1/23/2006	10.6	2.4	13.0
	1/24/2006	30.3	1.0	31.3
	1/25/2006	17.3	1.4	18.7
	1/26/2006	4.3	2.0	6.3
	1/27/2006	5.3	1.8	7.1
	1/28/2006	9.7	1.4	11.1
	1/29/2006	8.1	1.4	9.5
	1/30/2006	8.1	1.2	9.3

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	1/31/2006	3.2	1.1	4.3
	2/1/2006	9.6	1.7	11.3
	2/2/2006	7.4	1.4	8.8
	2/3/2006	10.1	0.7	10.8
	2/4/2006	5.4	1.1	6.5
	2/5/2006	3.5	2.5	6.0
	2/6/2006	4.8	1.7	6.5
	2/7/2006	4.3	0.4	4.7
	2/8/2006	13.6	0.9	14.5
	2/9/2006	8.3	1.6	9.9
	2/10/2006	8.6	1.1	9.7
	2/11/2006	9.5	1.2	10.7
	2/12/2006	7.0	1.0	8.0
	2/13/2006	4.6	1.5	6.1
	2/14/2006	2.7	1.3	4.0
	2/15/2006	2.8	1.4	4.2
	2/16/2006	5.6	1.1	6.7
	2/17/2006	6.3	1.0	7.3
m	2/18/2006	11.0	1.0	12.0
m	2/19/2006	13.3	2.3	15.7
m	2/20/2006	14.5	0.9	15.5
m	2/21/2006	15.1	1.7	16.8
	2/22/2006	15.7	0.8	16.5
	2/23/2006	23.2	1.2	24.4
	2/24/2006	24.0	1.3	25.3
	2/25/2006	31.4	0.8	32.2
	2/26/2006	23.3	1.0	24.3
	2/27/2006	5.0	1.7	6.7
	2/28/2006	2.5	1.5	4.0
	3/1/2006	3.7	1.5	5.2
	3/2/2006	2.2	0.9	3.1

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	3/3/2006	2.5	1.3	3.8
	3/4/2006	6.3	1.2	7.5
	3/5/2006	8.4	1.3	9.7
	3/6/2006	2.2	1.1	3.3
	3/7/2006	4.6	1.2	5.8
	3/8/2006	2.4	1.4	3.8
	3/9/2006	2.0	1.3	3.3
	3/10/2006	1.4	1.2	2.6
	3/11/2006	2.2	1.4	3.6
	3/12/2006	3.7	0.8	4.5
	3/13/2006	4.4	1.2	5.6
	3/14/2006	3.4	1.1	4.5
	3/15/2006	4.5	0.9	5.4
	3/16/2006	4.6	1.3	5.9
	3/17/2006	2.2	1.3	3.5
	3/18/2006	2.2	2.0	4.2
	3/19/2006	3.1	1.6	4.7
	3/20/2006	5.6	1.5	7.1
	3/21/2006	3.8	0.5	4.3
	3/22/2006	12.8	0.5	13.3
	3/23/2006	13.2	1.5	14.7
	3/24/2006	5.8	1.9	7.7
	3/25/2006	4.0	1.3	5.3
	3/26/2006	4.5	1.5	6.0
	3/27/2006	7.5	1.1	8.6
	3/28/2006	5.0	1.3	6.3
	3/29/2006	1.8	1.2	3.0
	3/30/2006	2.0	1.1	3.1
	3/31/2006	1.1	0.9	2.0
	4/1/2006	3.3	1.1	4.4
	4/2/2006	2.4	1.5	3.9

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	4/3/2006	2.2	1.2	3.4
	4/4/2006	2.6	0.8	3.4
	4/5/2006	1.1	1.2	2.3
	4/6/2006	4.3	1.1	5.4
	4/7/2006	6.1	1.4	7.5
	4/8/2006	2.8	0.9	3.7
	4/9/2006	1.2	1.5	2.7
	4/10/2006	1.3	1.2	2.5
	4/11/2006	2.6	1.1	3.7
	4/12/2006	2.4	1.9	4.3
	4/13/2006	1.1	1.6	2.7
	4/14/2006	1.2	2.3	3.5
	4/15/2006	0.5	2.1	2.6
	4/16/2006	0.8	1.2	2.0
	4/17/2006	1.1	1.4	2.5
	4/18/2006	1.0	2.1	3.1
	4/19/2006	1.5	1.9	3.4
	4/20/2006	3.2	1.7	4.9
	4/21/2006	3.6	1.9	5.5
	4/22/2006	8.4	1.9	10.3
	4/23/2006	4.9	2.0	6.9
	4/24/2006	3.6	2.1	5.7
	4/25/2006	3.4	2.1	5.5
	4/26/2006	7.3	2.5	9.8
	4/27/2006	8.4	2.5	10.9
	4/28/2006	10.6	2.8	13.4
	4/29/2006	6.5	3.4	9.9
	4/30/2006	5.3	2.6	7.9
	5/1/2006	6.6	2.5	9.1
	5/2/2006	7.2	2.1	9.3
	5/3/2006	13.9	2.3	16.2

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	5/4/2006	11.7	2.2	13.9
	5/5/2006	9.9	2.3	12.2
	5/6/2006	9.0	3.4	12.4
	5/7/2006	9.4	2.8	12.2
	5/8/2006	5.1	2.6	7.7
	5/9/2006	4.4	2.2	6.6
	5/10/2006	4.4	1.6	6.0
	5/11/2006	9.9	3.1	13.0
	5/12/2006	12.1	3.6	15.7
	5/13/2006	13.4	3.4	16.8
	5/14/2006	7.8	2.4	10.2
	5/15/2006	8.8	3.1	11.9
	5/16/2006	12.9	4.2	17.1
	5/17/2006	10.5	4.7	15.2
	5/18/2006	7.0	5.1	12.1
	5/19/2006	5.4	2.6	8.0
	5/20/2006	2.3	1.6	3.9
	5/21/2006	2.7	0.8	3.5
	5/22/2006	3.2	1.4	4.6
	5/23/2006	3.1	1.9	5.0
	5/24/2006	6.1	2.1	8.2
	5/25/2006	6.0	2.3	8.3
	5/26/2006	1.7	1.5	3.2
	5/27/2006	1.5	1.5	3.0
	5/28/2006	1.8	2.3	4.1
	5/29/2006	2.6	2.3	4.9
	5/30/2006	3.1	2.9	6.0
	5/31/2006	5.4	3.5	8.9
	6/1/2006	2.0	3.5	5.5
	6/2/2006	3.9	3.4	7.3
	6/3/2006	2.7	2.2	4.9

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	6/4/2006	1.3	2.8	4.1
	6/5/2006	4.4	4.2	8.6
	6/6/2006	6.1	4.4	10.5
	6/7/2006	7.3	3.8	11.1
	6/8/2006	8.0	3.4	11.4
	6/9/2006	9.6	3.5	13.1
	6/10/2006	9.4	4.1	13.5
	6/11/2006	6.2	4.7	10.9
	6/12/2006	3.4	2.1	5.5
	6/13/2006	3.8	1.8	5.6
	6/14/2006	4.8	2.2	7.0
	6/15/2006	2.7	2.1	4.8
	6/16/2006	1.7	2.3	4.0
	6/17/2006	2.8	2.4	5.2
	6/18/2006	11.2	3.5	14.7
	6/19/2006	11.9	2.9	14.8
	6/20/2006	9.0	2.3	11.3
	6/21/2006	4.2	2.4	6.6
	6/22/2006	4.5	1.5	6.0
	6/23/2006	9.0	3.0	12.0
	6/24/2006	7.8	4.7	12.5
	6/25/2006	7.4	5.1	12.5
	6/26/2006	7.1	3.3	10.4
	6/27/2006	5.8	2.7	8.5
	6/28/2006	3.4	4.2	7.6
	6/29/2006	6.2	5.2	11.4
	6/30/2006	3.7	5.7	9.4
	7/1/2006	6.5	4.2	10.7
	7/2/2006	10.1	6.0	16.1
	7/3/2006	9.5	4.0	13.5
	7/4/2006	7.0	4.0	11.0

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	7/5/2006	8.2	5.7	13.9
	7/6/2006	5.6	4.6	10.2
	7/7/2006	6.8	2.6	9.4
	7/8/2006	8.4	2.0	10.4
	7/9/2006	8.7	3.4	12.1
	7/10/2006	5.6	5.8	11.4
	7/11/2006	5.8	2.8	8.6
	7/12/2006	4.1	4.5	8.6
	7/13/2006	6.4	1.7	8.1
	7/14/2006	5.2	4.0	9.2
	7/15/2006	6.6	3.9	10.5
	7/16/2006	8.6	2.3	10.9
	7/17/2006	9.0	1.8	10.8
	7/18/2006	10.7	3.6	14.3
	7/19/2006	9.0	2.9	11.9
	7/20/2006	9.8	3.6	13.4
	7/21/2006	8.4	1.7	10.1
	7/22/2006	7.6	2.3	9.9
	7/23/2006	8.0	2.4	10.4
	7/24/2006	7.1	2.0	9.1
	7/25/2006	11.2	2.1	13.3
	7/26/2006	14.6	3.5	18.1
	7/27/2006	8.2	4.0	12.2
	7/28/2006	3.1	3.7	6.8
	7/29/2006	2.8	3.3	6.1
	7/30/2006	2.8	1.6	4.4
	7/31/2006	3.6	4.7	8.3
	8/1/2006	7.4	2.9	10.3
	8/2/2006	14.2	3.4	17.6
	8/3/2006	11.4	2.9	14.3
	8/4/2006	6.7	2.1	8.8

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	8/5/2006	5.0	2.1	7.1
	8/6/2006	5.7	4.4	10.1
	8/7/2006	3.7	4.1	7.8
	8/8/2006	6.7	1.4	8.1
	8/9/2006	8.3	1.6	9.9
	8/10/2006	8.7	3.4	12.1
	8/11/2006	7.7	4.6	12.3
	8/12/2006	11.4	3.3	14.7
	8/13/2006	10.8	2.9	13.7
	8/14/2006	7.6	4.4	12.0
	8/15/2006	6.2	5.2	11.4
	8/16/2006	7.5	3.9	11.4
	8/17/2006	6.0	1.4	7.4
	8/18/2006	8.3	5.9	14.2
	8/19/2006	7.9	5.2	13.1
	8/20/2006	11.7	6.3	18.0
	8/21/2006	4.2	4.6	8.8
	8/22/2006	8.5	3.2	11.7
	8/23/2006	8.6	2.8	11.4
	8/24/2006	9.9	2.5	12.4
	8/25/2006	5.6	2.7	8.3
	8/26/2006	4.3	4.1	8.4
	8/27/2006	4.6	5.3	9.9
	8/28/2006	5.8	3.6	9.4
	8/29/2006	4.5	3.8	8.3
	8/30/2006	9.2	2.0	11.2
	8/31/2006	4.3	1.5	5.8
	9/1/2006	10.9	2.5	13.4
	9/2/2006	8.4	3.0	11.4
	9/3/2006	4.1	4.6	8.7
	9/4/2006	4.3	3.5	7.8

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	9/5/2006	8.4	1.9	10.3
	9/6/2006	7.7	3.7	11.4
	9/7/2006	11.4	3.0	14.4
	9/8/2006	6.1	1.6	7.7
	9/9/2006	5.1	2.3	7.4
	9/10/2006	6.1	2.2	8.3
	9/11/2006	12.8	1.5	14.3
	9/12/2006	24.0	1.7	25.7
	9/13/2006	13.2	4.0	17.2
	9/14/2006	10.8	4.9	15.7
	9/15/2006	3.5	1.5	5.0
	9/16/2006	7.7	1.5	9.2
	9/17/2006	11.7	1.6	13.3
	9/18/2006	11.2	1.2	12.4
	9/19/2006	8.7	2.8	11.5
	9/20/2006	8.2	2.9	11.1
	9/21/2006	10.0	1.7	11.7
	9/22/2006	78.6	3.1	81.7
	9/23/2006	3.3	2.9	6.2
	9/24/2006	14.3	2.4	16.7
	9/25/2006	15.0	1.2	16.2
	9/26/2006	15.9	4.2	20.1
	9/27/2006	13.6	6.0	19.6
	9/28/2006	10.7	3.7	14.4
	9/29/2006	9.6	4.8	14.4
	9/30/2006	0.0	4.7	4.7
	10/1/2006	8.5	2.0	10.5
	10/2/2006	8.8	2.3	11.1
	10/3/2006	5.2	1.6	6.8
	10/4/2006	5.7	1.5	7.2
	10/5/2006	7.0	1.7	8.7

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	10/6/2006	7.1	1.7	8.8
	10/7/2006	8.8	1.4	10.2
	10/8/2006	3.0	1.5	4.5
	10/9/2006	8.7	2.2	10.9
	10/10/2006	2.5	1.9	4.4
	10/11/2006	4.5	1.6	6.1
	10/12/2006	9.0	3.8	12.8
	10/13/2006	8.6	2.3	10.9
	10/14/2006	10.0	1.8	11.8
	10/15/2006	5.5	2.4	7.9
	10/16/2006	4.5	1.9	6.4
	10/17/2006	2.6	3.2	5.8
	10/18/2006	4.1	1.5	5.6
	10/19/2006	13.0	1.8	14.8
	10/20/2006	9.1	2.0	11.1
	10/21/2006	2.2	2.8	5.0
	10/22/2006	4.0	1.1	5.1
	10/23/2006	7.6	1.2	8.8
	10/24/2006	9.1	2.1	11.2
	10/25/2006	13.0	4.0	17.0
	10/26/2006	7.9	1.1	9.0
	10/27/2006	7.5	2.1	9.6
	10/28/2006	13.2	1.8	15.0
	10/29/2006	13.3	3.6	16.9
	10/30/2006	10.0	2.6	12.6
	10/31/2006	13.5	1.9	15.4
	11/1/2006	28.6	1.4	30.0
	11/2/2006	25.1	1.6	26.7
	11/3/2006	7.6	1.8	9.4
	11/4/2006	10.3	2.5	12.8
	11/5/2006	6.2	1.6	7.8

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	11/6/2006	6.2	0.8	7.0
	11/7/2006	7.8	2.9	10.7
	11/8/2006	0.8	1.7	2.5
	11/9/2006	1.8	2.0	3.8
	11/10/2006	3.2	1.2	4.4
	11/11/2006	3.5	2.3	5.8
	11/12/2006	5.6	1.4	7.0
	11/13/2006	13.7	1.3	15.0
	11/14/2006	5.1	1.7	6.8
	11/15/2006	9.4	1.0	10.4
	11/16/2006	4.6	2.3	6.9
	11/17/2006	10.0	0.7	10.7
	11/18/2006	7.3	0.9	8.2
	11/19/2006	14.9	0.7	15.6
	11/20/2006	16.7	0.9	17.6
	11/21/2006	13.3	1.2	14.5
	11/22/2006	5.5	1.7	7.2
	11/23/2006	1.4	1.3	2.7
	11/24/2006	5.7	1.0	6.7
	11/25/2006	7.2	1.6	8.8
	11/26/2006	6.6	0.8	7.4
	11/27/2006	5.2	1.2	6.4
	11/28/2006	2.1	1.3	3.4
	11/29/2006	3.6	2.2	5.8
	11/30/2006	10.5	1.9	12.4
	12/1/2006	5.0	1.0	6.0
	12/2/2006	8.2	1.4	9.6
	12/3/2006	8.1	3.1	11.2
	12/4/2006	8.2	0.7	8.9
	12/5/2006	21.3	1.8	23.1
	12/6/2006	9.5	2.2	11.7

Table 5.1B-10c 2006 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	12/7/2006	16.2	3.1	19.3
	12/8/2006	16.2	1.2	17.4
	12/9/2006	1.4	1.5	2.9
	12/10/2006	3.9	0.6	4.5
	12/11/2006	11.9	0.8	12.7
	12/12/2006	12.9	1.0	13.9
	12/13/2006	20.7	1.0	21.7
	12/14/2006	8.4	1.6	10.0
	12/15/2006	1.5	1.5	3.0
	12/16/2006	3.5	1.3	4.8
	12/17/2006	10.3	2.7	13.0
	12/18/2006	1.9	1.7	3.6
	12/19/2006	19.6	1.4	21.0
	12/20/2006	30.2	1.5	31.7
	12/21/2006	40.5	1.3	41.8
	12/22/2006	8.2	2.1	10.3
	12/23/2006	20.0	2.1	22.1
	12/24/2006	25.3	1.0	26.3
	12/25/2006	35.4	0.8	36.2
	12/26/2006	24.1	0.8	24.9
	12/27/2006	2.1	1.7	3.8
	12/28/2006	5.9	3.4	9.3
	12/29/2006	11.3	2.0	13.3
	12/30/2006	23.7	0.3	24.0
	12/31/2006	29.7	0.3	30.0

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	1/1/2007	9.8	1.1	10.9
	1/2/2007	62.1	2.8	64.9
	1/3/2007	18.9	1.6	20.5
	1/4/2007	0.8	1.0	1.8
	1/5/2007	2.1	3.3	5.4
	1/6/2007	6.5	1.1	7.6
	1/7/2007	4.4	0.6	5.0
	1/8/2007	21.3	2.7	24.0
	1/9/2007	28.3	0.8	29.1
	1/10/2007	13.6	1.2	14.8
	1/11/2007	1.7	1.3	3.0
	1/12/2007	1.8	3.3	5.1
	1/13/2007	5.7	1.4	7.1
	1/14/2007	10.5	1.8	12.3
	1/15/2007	9.0	0.7	9.7
	1/16/2007	26.3	2.3	28.6
	1/17/2007	7.2	1.5	8.7
	1/18/2007	15.8	1.0	16.8
	1/19/2007	35.0	1.2	36.2
	1/20/2007	16.0	1.6	17.6
	1/21/2007	5.1	3.3	8.4
	1/22/2007	18.5	0.9	19.4
	1/23/2007	26.9	1.4	28.3
	1/24/2007	20.5	1.1	21.6
	1/25/2007	14.3	1.5	15.8
	1/26/2007	20.9	1.5	22.4
	1/27/2007	29.8	1.4	31.2
	1/28/2007	31.2	2.0	33.2
	1/29/2007	14.2	1.3	15.5
	1/30/2007	10.0	2.2	12.2
	1/31/2007	17.6	1.4	19.0

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	2/1/2007	25.5	1.1	26.6
	2/2/2007	35.8	1.5	37.3
	2/3/2007	26.7	2.4	29.1
	2/4/2007	17.1	1.3	18.4
	2/5/2007	17.7	0.9	18.6
	2/6/2007	21.8	1.6	23.4
	2/7/2007	12.8	0.9	13.7
	2/8/2007	19.1	0.8	19.9
	2/9/2007	15.4	1.5	16.9
	2/10/2007	6.4	1.1	7.5
	2/11/2007	2.7	1.4	4.1
	2/12/2007	2.5	1.4	3.9
	2/13/2007	1.5	1.1	2.6
	2/14/2007	2.2	1.4	3.6
	2/15/2007	1.6	1.0	2.6
	2/16/2007	1.9	2.2	4.1
	2/17/2007	9.5	1.0	10.5
	2/18/2007	4.8	2.0	6.8
	2/19/2007	0.5	1.7	2.2
	2/20/2007	2.7	1.7	4.4
	2/21/2007	2.0	1.8	3.8
	2/22/2007	0.8	1.0	1.8
	2/23/2007	1.0	1.0	2.0
	2/24/2007	2.0	1.4	3.4
	2/25/2007	2.3	1.3	3.6
	2/26/2007	1.7	1.4	3.1
	2/27/2007	1.0	1.0	2.0
	2/28/2007	1.2	1.6	2.8
	3/1/2007	3.1	1.3	4.4
	3/2/2007	1.6	1.5	3.1
	3/3/2007	4.6	1.4	6.0
	3/4/2007	3.2	1.3	4.5

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	3/5/2007	5.0	1.1	6.1
	3/6/2007	6.6	1.3	7.9
	3/7/2007	4.2	1.8	6.0
	3/8/2007	1.9	1.4	3.3
m	3/9/2007	6.4	2.0	8.3
m	3/10/2007	8.6	2.1	10.7
m	3/11/2007	9.7	1.2	10.9
m	3/12/2007	10.2	2.2	12.5
	3/13/2007	10.8	1.5	12.3
	3/14/2007	8.2	1.9	10.1
	3/15/2007	6.2	1.3	7.5
	3/16/2007	12.0	3.0	15.0
	3/17/2007	11.0	3.5	14.5
	3/18/2007	4.4	3.8	8.2
	3/19/2007	3.2	2.7	5.9
	3/20/2007	2.9	1.9	4.8
	3/21/2007	3.4	2.8	6.2
	3/22/2007	4.1	1.1	5.2
	3/23/2007	9.7	1.9	11.6
	3/24/2007	7.3	3.4	10.7
	3/25/2007	2.0	2.2	4.2
	3/26/2007	2.9	1.5	4.4
	3/27/2007	5.5	1.7	7.2
	3/28/2007	7.9	3.1	11.0
	3/29/2007	5.8	1.7	7.5
	3/30/2007	12.9	1.5	14.4
	3/31/2007	8.5	2.1	10.6
	4/1/2007	4.1	4.3	8.4
	4/2/2007	4.0	1.7	5.7
	4/3/2007	6.1	1.7	7.8
	4/4/2007	6.9	2.7	9.6
	4/5/2007	6.3	2.0	8.3

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	4/6/2007	6.9	5.1	12.0
	4/7/2007	2.4	2.3	4.7
	4/8/2007	4.8	3.3	8.1
	4/9/2007	4.9	1.5	6.4
	4/10/2007	4.0	1.5	5.5
	4/11/2007	4.9	1.0	5.9
	4/12/2007	3.5	1.8	5.3
	4/13/2007	5.6	1.6	7.2
	4/14/2007	5.4	1.1	6.5
	4/15/2007	14.4	3.2	17.6
	4/16/2007	5.5	2.1	7.6
	4/17/2007	5.3	2.6	7.9
	4/18/2007	3.0	1.2	4.2
	4/19/2007	3.4	1.7	5.1
	4/20/2007	4.2	1.7	5.9
	4/21/2007	3.7	1.5	5.2
	4/22/2007	2.8	1.4	4.2
	4/23/2007	1.8	1.6	3.4
	4/24/2007	5.2	4.2	9.4
	4/25/2007	5.9	4.5	10.4
	4/26/2007	6.5	2.5	9.0
	4/27/2007	11.2	1.9	13.1
	4/28/2007	10.7	1.2	11.9
	4/29/2007	8.2	4.7	12.9
	4/30/2007	9.9	2.3	12.2
	5/1/2007	4.5	2.7	7.2
	5/2/2007	4.0	0.9	4.9
	5/3/2007	2.0	1.1	3.1
	5/4/2007	3.2	1.8	5.0
	5/5/2007	4.3	2.6	6.9
	5/6/2007	5.9	4.4	10.3
	5/7/2007	4.7	1.3	6.0

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	5/8/2007	5.5	2.2	7.7
	5/9/2007	4.7	3.0	7.7
	5/10/2007	8.6	4.1	12.7
	5/11/2007	10.8	3.5	14.3
	5/12/2007	8.9	5.8	14.7
	5/13/2007	10.1	1.9	12.0
	5/14/2007	12.6	3.7	16.3
	5/15/2007	11.1	7.0	18.1
	5/16/2007	11.5	4.3	15.8
	5/17/2007	8.1	4.8	12.9
	5/18/2007	7.7	5.2	12.9
	5/19/2007	7.2	3.1	10.3
	5/20/2007	4.8	3.3	8.1
	5/21/2007	5.0	1.5	6.5
	5/22/2007	7.2	3.7	10.9
	5/23/2007	5.5	2.4	7.9
	5/24/2007	9.6	2.8	12.4
	5/25/2007	11.2	4.8	16.0
	5/26/2007	9.5	6.5	16.0
	5/27/2007	7.1	5.6	12.7
	5/28/2007	18.3	3.9	22.2
	5/29/2007	14.8	7.5	22.3
	5/30/2007	9.0	5.6	14.6
	5/31/2007	7.9	5.9	13.8
	6/1/2007	7.5	4.7	12.2
	6/2/2007	5.5	4.8	10.3
	6/3/2007	9.1	5.9	15.0
	6/4/2007	2.5	2.7	5.2
	6/5/2007	3.9	2.4	6.3
	6/6/2007	2.7	1.9	4.6
	6/7/2007	9.2	2.2	11.4
	6/8/2007	9.9	4.3	14.2

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	6/9/2007	8.6	3.4	12.0
	6/10/2007	5.4	2.8	8.2
	6/11/2007	9.0	3.7	12.7
	6/12/2007	10.9	2.3	13.2
	6/13/2007	8.8	1.2	10.0
	6/14/2007	6.2	1.1	7.3
	6/15/2007	7.7	2.7	10.4
	6/16/2007	11.2	5.9	17.1
	6/17/2007	8.9	2.2	11.1
	6/18/2007	13.5	3.5	17.0
	6/19/2007	12.5	4.7	17.2
	6/20/2007	8.6	4.7	13.3
	6/21/2007	8.9	2.6	11.5
	6/22/2007	9.7	3.0	12.7
	6/23/2007	7.7	5.3	13.0
	6/24/2007	5.4	3.7	9.1
	6/25/2007	6.1	1.7	7.8
	6/26/2007	11.1	5.3	16.4
	6/27/2007	11.5	5.5	17.0
	6/28/2007	3.8	4.0	7.8
	6/29/2007	4.5	3.1	7.6
	6/30/2007	5.5	4.9	10.4
	7/1/2007	5.6	4.1	9.7
	7/2/2007	5.3	4.4	9.7
	7/3/2007	7.5	3.7	11.2
	7/4/2007	8.2	2.4	10.6
	7/5/2007	16.7	3.7	20.4
	7/6/2007	13.1	5.5	18.6
	7/7/2007	10.7	4.9	15.6
	7/8/2007	13.8	4.5	18.3
	7/9/2007	10.0	5.5	15.5
	7/10/2007	8.0	4.3	12.3

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	7/11/2007	3.0	4.3	7.3
	7/12/2007	3.8	3.6	7.4
	7/13/2007	5.7	4.2	9.9
	7/14/2007	4.2	5.2	9.4
	7/15/2007	4.2	5.7	9.9
	7/16/2007	6.4	5.7	12.1
	7/17/2007	5.3	4.0	9.3
	7/18/2007	3.3	2.5	5.8
	7/19/2007	4.3	2.0	6.3
	7/20/2007	4.7	5.3	10.0
	7/21/2007	4.8	4.5	9.3
	7/22/2007	5.8	4.8	10.6
	7/23/2007	9.3	4.6	13.9
	7/24/2007	9.2	5.5	14.7
	7/25/2007	11.4	3.4	14.8
	7/26/2007	13.0	5.0	18.0
	7/27/2007	11.7	5.8	17.5
	7/28/2007	8.4	5.2	13.6
	7/29/2007	5.5	6.2	11.7
	7/30/2007	12.1	4.1	16.2
	7/31/2007	12.6	5.4	18.0
	8/1/2007	11.8	5.1	16.9
	8/2/2007	8.7	5.7	14.4
	8/3/2007	8.5	4.4	12.9
	8/4/2007	6.0	1.7	7.7
	8/5/2007	8.4	1.2	9.6
	8/6/2007	6.6	1.7	8.3
	8/7/2007	5.8	2.0	7.8
	8/8/2007	8.7	2.0	10.7
	8/9/2007	5.2	1.7	6.9
	8/10/2007	9.9	3.6	13.5
	8/11/2007	6.3	6.5	12.8

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	8/12/2007	6.4	4.5	10.9
	8/13/2007	5.7	4.7	10.4
	8/14/2007	5.9	3.4	9.3
	8/15/2007	4.1	6.1	10.2
	8/16/2007	2.9	4.4	7.3
	8/17/2007	3.5	2.8	6.3
	8/18/2007	3.6	3.5	7.1
	8/19/2007	2.6	3.1	5.7
	8/20/2007	3.0	3.5	6.5
	8/21/2007	5.7	3.5	9.2
	8/22/2007	9.3	4.5	13.8
	8/23/2007	11.3	4.5	15.8
	8/24/2007	7.6	6.5	14.1
	8/25/2007	7.2	4.6	11.8
	8/26/2007	4.7	5.7	10.4
	8/27/2007	5.5	1.9	7.4
	8/28/2007	8.5	0.6	9.1
	8/29/2007	6.1	3.1	9.2
	8/30/2007	7.4	2.4	9.8
	8/31/2007	7.5	2.9	10.4
	9/1/2007	6.3	4.3	10.6
	9/2/2007	5.3	3.2	8.5
	9/3/2007	5.1	3.3	8.4
	9/4/2007	2.3	3.0	5.3
	9/5/2007	27.4	1.1	28.5
	9/6/2007	20.1	2.2	22.3
	9/7/2007	9.7	5.0	14.7
	9/8/2007	13.4	3.7	17.1
	9/9/2007	9.2	4.3	13.5
	9/10/2007	11.7	3.8	15.5
	9/11/2007	11.9	4.4	16.3
	9/12/2007	8.5	2.8	11.3

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	9/13/2007	8.0	1.9	9.9
	9/14/2007	8.2	2.5	10.7
	9/15/2007	5.5	3.7	9.2
	9/16/2007	9.6	1.6	11.2
	9/17/2007	11.0	2.8	13.8
	9/18/2007	10.5	3.2	13.7
	9/19/2007	7.9	2.2	10.1
	9/20/2007	7.3	1.4	8.7
	9/21/2007	7.8	2.3	10.1
	9/22/2007	7.9	1.1	9.0
	9/23/2007	6.0	1.7	7.7
	9/24/2007	5.6	1.8	7.4
	9/25/2007	4.7	1.5	6.2
	9/26/2007	6.3	1.0	7.3
	9/27/2007	9.0	3.2	12.2
	9/28/2007	6.2	3.1	9.3
	9/29/2007	5.0	2.1	7.1
	9/30/2007	5.6	1.7	7.3
	10/1/2007	4.6	2.0	6.6
	10/2/2007	4.2	2.1	6.3
	10/3/2007	6.6	2.6	9.2
	10/4/2007	4.6	2.0	6.6
	10/5/2007	3.8	1.4	5.2
	10/6/2007	3.5	1.8	5.3
	10/7/2007	5.2	1.2	6.4
	10/8/2007	9.0	1.3	10.3
	10/9/2007	5.0	1.3	6.3
	10/10/2007	4.8	2.0	6.8
	10/11/2007	4.6	1.8	6.4
	10/12/2007	5.5	1.7	7.2
	10/13/2007	5.3	1.3	6.6
	10/14/2007	14.2	2.8	17.0

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	10/15/2007	4.2	2.2	6.4
	10/16/2007	4.8	1.5	6.3
	10/17/2007	4.5	1.4	5.9
	10/18/2007	7.5	1.5	9.0
	10/19/2007	4.7	1.7	6.4
	10/20/2007	3.5	1.6	5.1
	10/21/2007	12.7	4.2	16.9
	10/22/2007	5.6	1.6	7.2
	10/23/2007	7.6	2.3	9.9
	10/24/2007	10.6	2.0	12.6
	10/25/2007	9.7	2.9	12.6
	10/26/2007	7.7	1.6	9.3
	10/27/2007	12.3	2.0	14.3
	10/28/2007	19.7	2.3	22.0
	10/29/2007	13.4	3.3	16.7
	10/30/2007	15.1	3.1	18.2
	10/31/2007	15.7	2.2	17.9
	11/1/2007	12.4	2.1	14.5
	11/2/2007	9.2	1.8	11.0
	11/3/2007	11.7	1.8	13.5
	11/4/2007	8.3	1.6	9.9
	11/5/2007	9.4	1.6	11.0
	11/6/2007	13.0	2.5	15.5
	11/7/2007	8.5	1.5	10.0
	11/8/2007	15.0	4.6	19.6
	11/9/2007	9.8	1.9	11.7
	11/10/2007	11.7	1.1	12.8
	11/11/2007	5.9	2.0	7.9
	11/12/2007	7.5	1.6	9.1
	11/13/2007	7.1	2.0	9.1
	11/14/2007	6.8	0.9	7.7
	11/15/2007	18.1	1.2	19.3

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	11/16/2007	7.1	2.7	9.8
	11/17/2007	9.7	2.0	11.7
	11/18/2007	6.2	2.6	8.8
	11/19/2007	8.0	2.0	10.0
	11/20/2007	3.7	3.0	6.7
	11/21/2007	5.4	1.7	7.1
	11/22/2007	3.8	2.2	6.0
	11/23/2007	3.1	2.7	5.8
	11/24/2007	17.1	1.3	18.4
	11/25/2007	20.8	0.5	21.3
	11/26/2007	17.7	1.0	18.7
	11/27/2007	17.8	1.8	19.6
	11/28/2007	8.1	2.9	11.0
	11/29/2007	9.2	1.8	11.0
	11/30/2007	10.4	1.7	12.1
	12/1/2007	7.6	1.7	9.3
	12/2/2007	8.1	1.7	9.8
	12/3/2007	6.0	1.3	7.3
	12/4/2007	5.3	2.6	7.9
	12/5/2007	2.5	1.6	4.1
	12/6/2007	16.7	0.8	17.5
	12/7/2007	1.4	1.2	2.6
	12/8/2007	1.9	2.0	3.9
	12/9/2007	2.0	2.5	4.5
	12/10/2007	7.1	2.5	9.6
	12/11/2007	7.7	3.1	10.8
	12/12/2007	11.6	1.3	12.9
	12/13/2007	17.7	1.3	19.0
	12/14/2007	34.3	1.8	36.1
	12/15/2007	38.4	0.7	39.1
	12/16/2007	30.5	0.7	31.2
	12/17/2007	36.6	1.4	38.0

Table 5.1B-10d 2007 – CPV $PM_{2.5}$ Contemporary Analysis (GE Turbines)				
Missing Data	Date	Observations	Model Impacts	Total
	12/18/2007	8.3	1.1	9.4
	12/19/2007	4.2	1.2	5.4
	12/20/2007	2.5	1.7	4.2
	12/21/2007	1.7	2.1	3.8
	12/22/2007	8.2	1.9	10.1
	12/23/2007	5.5	0.8	6.3
	12/24/2007	17.8	2.1	19.9
	12/25/2007	1.9	1.4	3.3
	12/26/2007	6.5	1.9	8.4
	12/27/2007	1.5	1.2	2.7
	12/28/2007	12.9	2.2	15.1
	12/29/2007	18.9	2.2	21.1
	12/30/2007	5.7	2.3	8.0
	12/31/2007	7.8	1.6	9.4