Table G-13

2005 - Bay Area Steam Units at Analytical Maximum; Hunters Point Shut Down; NOx Emissions at 1998 Rates

PLANT/UNIT		TYPE	FUEL	NET CAPACITY (MW)	GENERATION (GWh)	CAPACITY FACTOR (percent)	EMISSIONS														
							NO_X			SO_X/H_2S			PM10			CO			ROG		
							Tons	#/MWh	#/MMBtu	Tons	#/MWh	#/MMBtu	Tons	#/MWh	#/MMBtu	Tons	#/MWh	#/MMBtu	Tons	#/MWh	#/MMBtu
Hunters Point																					
plant retired																					
Potrero	3	ST	NG	207	1122	61.9	790	1.41	0.139	6	0.01	0.001	43	0.08	0.008	466	0.83	0.082	48	0.09	0.008
	4	CT	DF	52	41	9.1	44	2.13	0.164	27	1.29	0.100	3	0.15	0.012	4	0.18	0.014	9	0.45	0.035
	5	CT	DF	52	35	7.6	37	2.14	0.165	22	1.30	0.100	3	0.15	0.012	3	0.18	0.014	8	0.44	0.034
	6	CT	DF	52	32	7.1	35	2.14	0.165	21	1.30	0.100	2	0.15	0.012	3	0.18	0.014	7	0.44	0.034
	Σ			363	1230	38.7	906	1.47	0.142	76	0.12	0.012	51	0.08	0.008	476	0.77	0.075	72	0.12	0.011
Contra Costa	6	ST	NG	340	2075	69.7	1099	1.06	0.109	10	0.01	0.001	76	0.07	0.007	828	0.80	0.082	85	0.08	0.008
	7	ST	NG	340	2052	68.9	290	0.28	0.029	10	0.01	0.001	75	0.07	0.007	818	0.80	0.082	84	0.08	0.008
	Σ			680	4127	69.3	1389	0.67	0.069	20	0.01	0.001	151	0.07	0.007	1646	0.80	0.082	169	0.08	0.008
Pittsburg	1	ST	NG	163	635	44.5	736	2.32	0.212	3	0.01	0.001	26	0.08	0.007	285	0.90	0.082	29	0.09	0.008
	2	ST	NG	163	974	68.2	1124	2.31	0.212	5	0.01	0.001	40	0.08	0.008	435	0.89	0.082	45	0.09	0.008
#3 retired																					
#4 retired																					
	5	ST	NG	325	1683	59.1	767	0.91	0.091	8	0.01	0.001	63	0.08	0.008	693	0.82	0.082	71	0.08	0.008
	6	ST	NG	325	2141	75.2	993	0.93	0.091	11	0.01	0.001	82	0.08	0.008	897	0.84	0.082	92	0.09	0.008
	7	ST	NG	682	4248	71.1	1302	0.61	0.060	22	0.01	0.001	161	0.08	0.007	1765	0.83	0.082	181	0.09	0.008
	Σ			1658	9681	66.7	4922	1.02	0.099	50	0.01	0.001	373	0.08	0.008	4075	0.84	0.082	417	0.09	0.008
New 480 MW		CC	NG	480	3795	90.3	183	0.10	0.014	12	0.01	0.001	101	0.05	0.008	149	0.08	0.011	80	0.04	0.006
Geysers	5	G	GS	39	278	81.3	1	0.00		70	0.50		1	0.01		0	0.00		1	0.01	
	6	G	GS	39	276	80.7	1	0.01		57	0.41		1	0.01		0	0.00		1	0.01	
	7	G	GS	37	272	84.0	0	0.00		72	0.53		1	0.01		0	0.00		1	0.01	
	8	G	GS	37	273	84.3	0	0.00		57	0.42		1	0.01		0	0.00		1	0.01	
	9	G	GS	32	203	72.6	2	0.02		35	0.35		1	0.01		0	0.00		1	0.01	
	10	G	GS	32	202	71.9	2	0.02		48	0.47		1	0.01		0	0.00		1	0.01	
	11	G	GS	56	466	95.0	0	0.00		134	0.57		1	0.01		0	0.00		2	0.01	
	12	G	GS	39	290	84.8	1	0.01		73	0.50		1	0.01		0	0.00		1	0.01	
	13	G	GS	69	574	95.0	0	0.00		27	0.09		2	0.01		0	0.00		2	0.01	
	14	G	GS	61	468	87.5	1	0.00		24	0.10		1	0.01		0	0.00		2	0.01	
	16	G	GS	69	572	94.6	0	0.00		4	0.02		2	0.01		0	0.00		2	0.01	
	17	G	GS	47	361	87.6	0	0.00		10	0.06		1	0.01		0	0.00		1	0.01	
	18	G	GS	62	480	88.3	0	0.00		33	0.14		1	0.01		0	0.00		2	0.01	
	20	G	GS	46	347	86.1	1	0.00		19	0.11		1	0.01		0	0.00		1	0.01	
	Σ			665	5060	86.9	7	0.00		663	0.26		15	0.01		2	0.00		21	0.01	
Non-BAAQMD California Load-Related					263621		194072	1.47		101487	0.77		12005	0.09		46507	0.35		25019	0.19	
Total Calif. Load-Related					282454		201472	1.43		101645	0.72		12680	0.09		52853	0.37		25757	0.18	

UNIT TYPES:
- CT combustion turbine
- ST steam turbine
- G geothermal steam
- CC combined cycle

FUELS:
- NG natural gas w/ residual oil backup
- DF distillate fuel oil
- GS geothermal steam

NOTES:
- All units assumed to use their primary fuels exclusively
- Geothermal units dispatched economically per existing steam supply contracts
- Geothermal units emit H_2S but basically no SO_X
- Reflects latest 1998 AP42 updates
- 115/230 kV transmission into SF assumed to be increased to about 550 MW