Table G-6

2005 - Bay Area Steam Units at Analytical Maximum; Hunters Point Shut Down; Increased Transmission to Serve SF Load, Reduce BARR

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	1151	63.5	71	0.12	0.012	6	0.01	0.001	44	0.08	0.008	478	0.83	0.082	49	0.09	0.008
	4	CT	DF	52	42	9.2	44	2.12	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	36	7.8	38	2.13	0.164	23	1.30	0.100	3	0.15	0.012	3	0.18	0.014	8	0.44	0.034
	6	CT	DF	52	33	7.2	35	2.13	0.165	21	1.30	0.100	2	0.15	0.012	3	0.18	0.014	7	0.44	0.034
	Σ			363	1261	39.7	188	0.30	0.029	77	0.12	0.012	52	0.08	0.008	488	0.77	0.075	73	0.12	0.011
Contra Costa	6	ST	NG	340	2096	70.4	123	0.12	0.012	10	0.01	0.001	76	0.07	0.008	836	0.80	0.082	86	0.08	0.008
	7	ST	NG	340	2055	69.0	121	0.12	0.012	10	0.01	0.001	75	0.07	0.007	819	0.80	0.082	84	0.08	0.008
	Σ			680	4151	69.7	244	0.12	0.012	20	0.01	0.001	151	0.07	0.008	1655	0.80	0.082	170	0.08	0.008
Pittsburg	1	ST	NG	163	648	45.4	579	1.79	0.164	4	0.01	0.001	27	0.08	0.008	290	0.90	0.082	30	0.09	0.008
	2	ST	NG	163	992	69.5	66	0.13	0.012	5	0.01	0.001	40	0.08	0.007	442	0.89	0.082	45	0.09	0.008
#3 retired																					
#4 retired																					
	5	ST	NG	325	1699	59.7	103	0.12	0.012	9	0.01	0.001	64	0.08	0.008	699	0.82	0.082	72	0.08	0.008
	6	ST	NG	325	2157	75.8	133	0.12	0.012	11	0.01	0.001	83	0.08	0.007	903	0.84	0.082	93	0.09	0.008
	7	ST	NG	682	4260	71.3	261	0.12	0.012	22	0.01	0.001	162	0.08	0.008	1768	0.83	0.082	181	0.09	0.008
	Σ			1658	9756	67.2	1142	0.23	0.023	50	0.01	0.001	375	0.08	0.007	4103	0.84	0.082	420	0.09	0.008
New 480 MW		CC	NG	480	3806	90.5	184	0.10	0.014	12	0.01	0.001	101	0.05	0.008	150	0.08	0.011	80	0.04	0.006
Geysers	5	G	GS	39	280	81.8	1	0.00		71	0.50		1	0.01		0	0.00		1	0.01	
	6	G	GS	39	277	81.0	1	0.01		57	0.41		1	0.01		0	0.00		1	0.01	
	7	G	GS	37	275	85.0	0	0.00		73	0.53		1	0.01		0	0.00		1	0.01	
	8	G	GS	37	277	85.5	0	0.00		58	0.42		1	0.01		0	0.00		1	0.01	
	9	G	GS	32	205	73.3	1	0.01		35	0.35		1	0.01		0	0.00		1	0.01	
	10	G	GS	32	203	72.6	1	0.01		48	0.47		1	0.01		0	0.00		1	0.01	
	11	G	GS	56	463	94.4	0	0.00		133	0.57		1	0.01		0	0.00		2	0.01	
	12	G	GS	39	291	85.1	1	0.01		73	0.50		1	0.01		0	0.00		1	0.01	
	13	G	GS	69	576	95.3	0	0.00		27	0.09		2	0.01		0	0.00		2	0.01	
	14	G	GS	61	462	86.5	1	0.00		23	0.10		1	0.01		0	0.00		2	0.01	
	16	G	GS	69	571	94.4	0	0.00		4	0.02		2	0.01		0	0.00		2	0.01	
	17	G	GS	47	368	89.3	0	0.00		10	0.06		1	0.01		0	0.00		1	0.01	
	18	G	GS	62	477	87.8	1	0.00		32	0.14		1	0.01		0	0.00		2	0.01	
	20	G	GS	46	345	85.7	1	0.00		19	0.11		1	0.01		0	0.00		1	0.01	
	Σ			665	5070	87.0	7	0.00		665	0.26		15	0.01		2	0.00		21	0.01	
Non-BAAQMD California Load-Related					263479		196419	1.49		98344	0.75		11848	0.09		46970	0.36		24952	0.19	
Total Calif. Load-Related					282453		198177	1.40		98504	0.70		12528	0.09		53365	0.38		25695	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