Table G-8

2005 - Geysers Geothermal 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	613	33.8	37	0.12	0.012	3	0.01	0.001	23	0.08	0.008	254	0.83	0.082	26	0.08	0.008
	4	CT	DF	52	42	9.3	45	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	7.8	38	2.14	0.165	23	1.30	0.100	3	0.15	0.011	3	0.18	0.014	8	0.44	0.034
	6	CT	DF	52	33	7.3	36	2.14	0.165	22	1.30	0.100	2	0.15	0.011	3	0.18	0.014	7	0.44	0.034
	Σ			363	725	22.8	156	0.43	0.041	75	0.21	0.020	32	0.09	0.008	264	0.73	0.069	51	0.14	0.013
Contra Costa	6	ST	NG	340	1344	45.1	81	0.12	0.012	7	0.01	0.001	50	0.07	0.008	548	0.81	0.082	56	0.08	0.008
	7	ST	NG	340	1371	46.0	82	0.12	0.012	7	0.01	0.001	51	0.07	0.007	557	0.81	0.082	57	0.08	0.008
	Σ			680	2716	45.6	163	0.12	0.012	13	0.01	0.001	101	0.07	0.008	1105	0.81	0.082	113	0.08	0.008
Pittsburg	1	ST	NG	163	293	20.5	276	1.88	0.153	2	0.01	0.001	14	0.09	0.008	149	1.01	0.082	15	0.10	0.008
	2	ST	NG	163	520	36.4	41	0.16	0.013	3	0.01	0.001	23	0.09	0.008	254	0.98	0.082	26	0.10	0.008
#3 retired																					
#4 retired																					
	5	ST	NG	325	1190	41.8	74	0.12	0.012	6	0.01	0.001	46	0.08	0.007	504	0.85	0.082	52	0.09	0.008
	6	ST	NG	325	1344	47.2	87	0.13	0.012	7	0.01	0.001	54	0.08	0.007	589	0.88	0.082	60	0.09	0.008
	7	ST	NG	682	2965	49.6	182	0.12	0.012	15	0.01	0.001	113	0.08	0.007	1233	0.83	0.082	126	0.09	0.008
	Σ			1658	6312	43.5	660	0.21	0.020	33	0.01	0.001	250	0.08	0.008	2728	0.86	0.082	279	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	317	92.8	0	0.00		80	0.50		1	0.01		0	0.00		1	0.01	
	6	G	GS	39	313	91.7	0	0.00		65	0.41		1	0.01		0	0.00		1	0.01	
	7	G	GS	37	308	94.9	0	0.00		82	0.53		1	0.01		0	0.00		1	0.01	
	8	G	GS	37	308	94.9	0	0.00		64	0.42		1	0.01		0	0.00		1	0.01	
	9	G	GS	32	251	89.4	1	0.01		43	0.34		1	0.01		0	0.00		1	0.01	
	10	G	GS	32	250	89.0	1	0.01		59	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	314	92.0	1	0.00		79	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	496	92.8	0	0.00		25	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	391	94.9	0	0.00		11	0.06		1	0.01		0	0.00		2	0.01	
	18	G	GS	62	505	92.9	0	0.00		34	0.14		1	0.01		0	0.00		2	0.01	
	20	G	GS	46	373	92.5	0	0.00		21	0.11		1	0.01		0	0.00		2	0.01	
	Σ			665	5436	93.3	4	0.00		728	0.27		16	0.01		1	0.00		22	0.01	
Non-BAAQMD California Load-Related					268907		200310	1.49		101511	0.75		12197	0.09		48607	0.36		25234	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