Table G-14

2005 - Bay Area Steam Units at Analytical Maximum; Hunters Point Shut Down; Transmission Increased to Serve SF Load, Reduced BARR; ENRON Merchant Plant in Pittsburg

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	1123	61.9	69	0.12	0.012	6	0.01	0.001	43	0.08	0.008	466	0.83	0.082	48	0.09	0.008
	4	CT	DF	52	36	7.9	38	2.13	0.164	23	1.30	0.100	3	0.15	0.012	3	0.18	0.014	8	0.45	0.035
	5	CT	DF	52	30	6.5	32	2.14	0.165	19	1.30	0.100	2	0.15	0.012	3	0.18	0.014	7	0.44	0.034
	6	CT	DF	52	28	6.1	30	2.14	0.165	18	1.30	0.100	2	0.15	0.012	3	0.18	0.014	6	0.44	0.034
	Σ			363	1217	38.3	168	0.28	0.027	66	0.11	0.011	50	0.08	0.008	475	0.78	0.075	69	0.11	0.011
Contra Costa	6	ST	NG	340	2067	69.4	122	0.12	0.012	10	0.01	0.001	75	0.07	0.008	825	0.80	0.082	84	0.08	0.008
	7	ST	NG	340	2021	67.8	119	0.12	0.012	10	0.01	0.001	74	0.07	0.007	806	0.80	0.082	83	0.08	0.008
	Σ			680	4087	68.6	241	0.12	0.012	20	0.01	0.001	149	0.07	0.007	1631	0.80	0.082	167	0.08	0.008
Pittsburg #1-4 retired																					
	5	ST	NG	325	1668	58.6	101	0.12	0.012	8	0.01	0.001	63	0.08	0.007	687	0.82	0.082	70	0.08	0.008
	6	ST	NG	325	2121	74.5	131	0.12	0.012	11	0.01	0.001	81	0.08	0.007	889	0.84	0.082	91	0.09	0.008
	7	ST	NG	682	4226	70.7	259	0.12	0.012	21	0.01	0.001	161	0.08	0.008	1756	0.83	0.082	180	0.09	0.008
	Σ			1332	8016	68.7	492	0.12	0.012	41	0.01	0.001	305	0.08	0.007	3333	0.83	0.082	341	0.09	0.008
New 480 MW		CC	NG	480	3795	90.2	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
ENRON		CC	NG	450	3554	90.2	172	0.10	0.014	11	0.01	0.001	95	0.05	0.008	140	0.08	0.011	75	0.04	0.006
Geysers	5	G	GS	39	272	79.6	1	0.01		69	0.50		1	0.01		0	0.00		1	0.01	
	6	G	GS	39	271	79.3	1	0.01		56	0.41		1	0.01		0	0.00		1	0.01	
	7	G	GS	37	269	83.0	0	0.00		72	0.53		1	0.01		0	0.00		1	0.01	
	8	G	GS	37	270	83.3	0	0.00		57	0.42		1	0.01		0	0.00		1	0.01	
	9	G	GS	32	199	70.8	2	0.02		34	0.35		1	0.01		0	0.00		1	0.01	
	10	G	GS	32	196	70.0	2	0.02		46	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	283	82.9	1	0.01		72	0.51		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	457	85.6	1	0.00		23	0.10		1	0.01		0	0.00		2	0.01	
	16	G	GS	69	569	94.1	0	0.00		4	0.02		2	0.01		0	0.00		2	0.01	
	17	G	GS	47	357	86.8	0	0.00		10	0.06		1	0.01		0	0.00		1	0.01	
	18	G	GS	62	469	86.3	1	0.00		32	0.14		1	0.01		0	0.00		2	0.01	
	20	G	GS	46	339	84.2	1	0.00		19	0.11		1	0.01		0	0.00		1	0.01	
	Σ			665	4992	85.7	9	0.00		654	0.26		15	0.01		2	0.00		21	0.01	
Non-BAAQMD California Load-Related					265339		195513	1.47		96787	0.73		11823	0.09		46866	0.35		25083	0.19	
Total Calif. Load-Related					282454		196597	1.39		96926	0.69		12428	0.09		52454	0.37		25740	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