Table G-17

2005 - Bay Area Steam Units at Analytical Maximum; Hunters Point Shut Down; SF CTs Burning Cheap Natural Gas; 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	1150	63.4	70	0.12	0.012	6	0.01	0.001	44	0.08	0.007	477	0.83	0.082	49	0.09	0.008
	4	CT	NG	52	63	13.9	55	1.74	0.135	1	0.03	0.002	3	0.09	0.007	35	1.11	0.086	17	0.54	0.042
	5	CT	NG	52	57	12.5	50	1.74	0.135	1	0.03	0.002	3	0.09	0.007	32	1.11	0.086	15	0.54	0.042
	6	CT	NG	52	54	11.8	47	1.74	0.135	1	0.03	0.002	3	0.09	0.007	30	1.11	0.086	15	0.54	0.042
	Σ			363	1324	41.6	222	0.34	0.032	8	0.01	0.001	52	0.08	0.007	574	0.87	0.083	96	0.15	0.014
Contra Costa	6	ST	NG	340	2095	70.3	123	0.12	0.012	10	0.01	0.001	76	0.07	0.008	835	0.80	0.082	86	0.08	0.008
	7	ST	NG	340	2054	68.9	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	4149	69.6	244	0.12	0.012	20	0.01	0.001	151	0.07	0.008	1654	0.80	0.082	169	0.08	0.008
Pittsburg	1	ST	NG	163	648	45.4	579	1.79	0.163	4	0.01	0.001	27	0.08	0.008	290	0.90	0.082	30	0.09	0.008
	2	ST	NG	163	991	69.4	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	2156	75.7	133	0.12	0.012	11	0.01	0.001	83	0.08	0.007	903	0.84	0.082	92	0.09	0.008
	7	ST	NG	682	4255	71.2	261	0.12	0.012	22	0.01	0.001	162	0.08	0.008	1766	0.83	0.082	181	0.09	0.008
	Σ			1658	9749	67.1	1141	0.23	0.023	50	0.01	0.001	375	0.08	0.007	4100	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	279	81.7	1	0.00		70	0.50		1	0.01		0	0.00		1	0.01	
	6	G	GS	39	276	80.9	1	0.01		57	0.41		1	0.01		0	0.00		1	0.01	
	7	G	GS	37	275	84.8	0	0.00		73	0.53		1	0.01		0	0.00		1	0.01	
	8	G	GS	37	277	85.4	0	0.00		58	0.42		1	0.01		0	0.00		1	0.01	
	9	G	GS	32	205	73.2	1	0.01		35	0.35		1	0.01		0	0.00		1	0.01	
	10	G	GS	32	203	72.5	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	290	85.0	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	570	94.4	0	0.00		4	0.02		2	0.01		0	0.00		2	0.01	
	17	G	GS	47	367	89.2	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	85.6	1	0.00		19	0.11		1	0.01		0	0.00		1	0.01	
	Σ			665	5066	87.0	8	0.00		665	0.26		15	0.01		2	0.00		21	0.01	
Non-BAAQMD California Load-Related					263425		199556	1.52		102031	0.77		12006	0.09		46234	0.35		24908	0.19	
Total Calif. Load-Related					282453		201347	1.43		102121	0.72		12686	0.09		52712	0.37		25674	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 (but note change to CTs)
- 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