# Table G-9

## 2005 - Bay Area Steam Units at Analytical Maximum; Hunters Point Shut Down; New 240 MW in San Francisco; Transmission Increased to Serve SF Load and Reduce BARR without full New 480 MW

| 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 | 1148 | 63.3 | 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 | DF | 52 | 45 | 9.9 | 48 | 2.12 | 0.164 | 29 | 1.29 | 0.100 | 3 | 0.15 | 0.012 | 4 | 0.18 | 0.014 | 10 | 0.45 | 0.035 |
| | 5 | CT | DF | 52 | 43 | 9.5 | 46 | 2.12 | 0.164 | 28 | 1.29 | 0.100 | 3 | 0.15 | 0.012 | 4 | 0.18 | 0.014 | 10 | 0.44 | 0.034 |
| | 6 | CT | DF | 52 | 38 | 8.4 | 41 | 2.13 | 0.165 | 25 | 1.29 | 0.100 | 3 | 0.15 | 0.012 | 3 | 0.18 | 0.014 | 8 | 0.44 | 0.034 |
| | Σ | | | 363 | 1275 | 40.1 | 204 | 0.32 | 0.031 | 87 | 0.14 | 0.013 | 53 | 0.08 | 0.008 | 488 | 0.77 | 0.074 | 77 | 0.12 | 0.012 |
| Contra Costa | 6 | ST | NG | 340 | 2114 | 71.0 | 124 | 0.12 | 0.012 | 10 | 0.01 | 0.001 | 77 | 0.07 | 0.008 | 843 | 0.80 | 0.082 | 86 | 0.08 | 0.008 |
| | 7 | ST | NG | 340 | 2066 | 69.4 | 122 | 0.12 | 0.012 | 10 | 0.01 | 0.001 | 75 | 0.07 | 0.007 | 823 | 0.80 | 0.082 | 84 | 0.08 | 0.008 |
| | Σ | | | 680 | 4179 | 70.2 | 246 | 0.12 | 0.012 | 20 | 0.01 | 0.001 | 152 | 0.07 | 0.008 | 1666 | 0.80 | 0.082 | 171 | 0.08 | 0.008 |
| Pittsburg | 1 | ST | NG | 163 | 647 | 45.3 | 578 | 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 | 1023 | 71.7 | 68 | 0.13 | 0.012 | 6 | 0.01 | 0.001 | 42 | 0.08 | 0.007 | 456 | 0.89 | 0.082 | 47 | 0.09 | 0.008 |
| #3 retired | | | | | | | | | | | | | | | | | | | | | |
| #4 retired | | | | | | | | | | | | | | | | | | | | | |
| | 5 | ST | NG | 325 | 1718 | 60.3 | 104 | 0.12 | 0.012 | 9 | 0.01 | 0.001 | 65 | 0.08 | 0.007 | 707 | 0.82 | 0.082 | 72 | 0.08 | 0.008 |
| | 6 | ST | NG | 325 | 2167 | 76.1 | 134 | 0.12 | 0.012 | 11 | 0.01 | 0.001 | 83 | 0.08 | 0.007 | 907 | 0.84 | 0.082 | 93 | 0.09 | 0.008 |
| | 7 | ST | NG | 682 | 4334 | 72.5 | 266 | 0.12 | 0.012 | 22 | 0.01 | 0.001 | 165 | 0.08 | 0.008 | 1800 | 0.83 | 0.082 | 184 | 0.09 | 0.008 |
| | Σ | | | 1658 | 9890 | 68.1 | 1150 | 0.23 | 0.023 | 51 | 0.01 | 0.001 | 380 | 0.08 | 0.007 | 4160 | 0.84 | 0.082 | 426 | 0.09 | 0.008 |
| New 240 MW | | CC | NG | 240 | 1905 | 90.6 | 92 | 0.10 | 0.014 | 6 | 0.01 | 0.001 | 51 | 0.05 | 0.008 | 75 | 0.08 | 0.011 | 40 | 0.04 | 0.006 |
| Geysers | 5 | G | GS | 39 | 284 | 83.0 | 1 | 0.00 | | 72 | 0.50 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 6 | G | GS | 39 | 285 | 83.3 | 1 | 0.00 | | 59 | 0.41 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 7 | G | GS | 37 | 279 | 86.0 | 0 | 0.00 | | 74 | 0.53 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 8 | G | GS | 37 | 278 | 85.8 | 0 | 0.00 | | 58 | 0.42 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 9 | G | GS | 32 | 210 | 74.9 | 1 | 0.01 | | 36 | 0.34 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 10 | G | GS | 32 | 208 | 74.2 | 1 | 0.01 | | 49 | 0.47 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 11 | G | GS | 56 | 463 | 94.5 | 0 | 0.00 | | 133 | 0.57 | | 1 | 0.01 | | 0 | 0.00 | | 2 | 0.01 | |
| | 12 | G | GS | 39 | 291 | 85.2 | 1 | 0.01 | | 73 | 0.50 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 13 | G | GS | 69 | 573 | 94.8 | 0 | 0.00 | | 27 | 0.09 | | 2 | 0.01 | | 0 | 0.00 | | 2 | 0.01 | |
| | 14 | G | GS | 61 | 473 | 88.5 | 0 | 0.00 | | 24 | 0.10 | | 1 | 0.01 | | 0 | 0.00 | | 2 | 0.01 | |
| | 16 | G | GS | 69 | 574 | 94.9 | 0 | 0.00 | | 4 | 0.02 | | 2 | 0.01 | | 0 | 0.00 | | 2 | 0.01 | |
| | 17 | G | GS | 47 | 366 | 88.8 | 0 | 0.00 | | 10 | 0.06 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | 18 | G | GS | 62 | 482 | 88.7 | 1 | 0.00 | | 33 | 0.14 | | 1 | 0.01 | | 0 | 0.00 | | 2 | 0.01 | |
| | 20 | G | GS | 46 | 350 | 86.9 | 1 | 0.00 | | 19 | 0.11 | | 1 | 0.01 | | 0 | 0.00 | | 1 | 0.01 | |
| | Σ | | | 665 | 5115 | 87.8 | 7 | 0.00 | | 672 | 0.26 | | 15 | 0.01 | | 2 | 0.00 | | 21 | 0.01 | |
| Non-BAAQMD California Load-Related | | | | | 265203 | | 198172 | 1.49 | | 99373 | 0.75 | | 11966 | 0.09 | | 47536 | 0.36 | | 25163 | 0.19 | |
| Total Calif. Load-Related | | | | | 282452 | | 199864 | 1.42 | | 99538 | 0.70 | | 12603 | 0.09 | | 53925 | 0.38 | | 25877 | 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 800 MW