

**2010 BPA Rate Case
Wholesale Power Rate Final Proposal**

**MARKET PRICE FORECAST
STUDY DOCUMENTATION**

July 2009

WP-10-FS-BPA-03A



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**FY 2010 MARKET PRICE FORECAST STUDY DOCUMENTATION
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TABLE 1
Areas

| | A | B | C | D | E |
|----|-------------|--------------------------|-----------------|--------------------|------------------------------------|
| 1 | Area Number | Area Name | Short Area Name | Area Demand Number | Area Reserve Requirement (Percent) |
| 2 | 1 | 01-WECC-Wash West | W-WA | 1 | 6.5 |
| 3 | 2 | 02-WECC-Oreg West | W-OR | 2 | 6.5 |
| 4 | 3 | 03-WECC-Wash Cent | C-WA | 3 | 6.5 |
| 5 | 4 | 04-WECC-Oreg East | E-OR | 4 | 6.5 |
| 6 | 5 | 05-WECC-Wash East | E-WA | 5 | 6.5 |
| 7 | 6 | 06-WECC-Idaho South | S-ID | 6 | 6.5 |
| 8 | 7 | 07-WECC-Idaho East | E-ID | 7 | 6.5 |
| 9 | 8 | 08-WECC-Montana | MT | 8 | 6.5 |
| 10 | 9 | 09-WECC-Wyoming | WY | 9 | 6.5 |
| 11 | 10 | 10-WECC-Colorado | CO | 10 | 6.5 |
| 12 | 11 | 11-WECC-New Mexico | NM | 11 | 6.5 |
| 13 | 12 | 12-WECC-Arizona | AZ | 12 | 6.5 |
| 14 | 13 | 13-WECC-Utah | UT | 13 | 6.5 |
| 15 | 14 | 14-WECC-Nevada North | N-NV | 14 | 6.5 |
| 16 | 15 | 15-WECC-Nevada South | S-NV | 15 | 6.5 |
| 17 | 16 | 16-WECC-Calif North | N-CA | 16 | 6.5 |
| 18 | 17 | 17-WECC-Calif Mid | M-CA | 17 | 6.5 |
| 19 | 18 | 18-WECC-Calif South | S-CA | 18 | 6.5 |
| 20 | 19 | 19-WECC-Calif SDGE | SDGE | 19 | 6.5 |
| 21 | 20 | 20-WECC-Calif IID | IID | 20 | 6.5 |
| 22 | 21 | 21-WECC-Mexico Baja | N-BJ | 21 | 6.5 |
| 23 | 22 | 22-WECC-British Columbia | BC | 22 | 6.5 |
| 24 | 23 | 23-WECC-Alberta | AB | 23 | 6.5 |

TABLE 2
Zone Definition

| | A | B | C | D | E | F | G | H | I | J | K |
|----|----------------------|--------------------|-----------------|--------------------|-------------------------|------------|------------|------------|------------|------------|------------------------------------|
| 1 | Consolidation Number | Consolidation Name | Short Area Name | Consolidation Area | Consolidation Area Name | Org Area 1 | Org Area 2 | Org Area 3 | Org Area 4 | Org Area 5 | Area Reserve Requirement (Percent) |
| 2 | 2 | WECC | BPA | 1 | BPA | 1 | 2 | 3 | 4 | 5 | 6.5 |
| 3 | 2 | WECC | NC+MC | 2 | NP15 | 16 | 0 | 0 | 0 | 0 | 6.5 |
| 4 | 2 | WECC | SC | 3 | SP15 | 17 | 18 | 19 | 20 | 0 | 6.5 |
| 5 | 2 | WECC | BC | 4 | British Columbia | 22 | 0 | 0 | 0 | 0 | 6.5 |
| 6 | 2 | WECC | SI+EI | 5 | Southern Idaho | 6 | 7 | 0 | 0 | 0 | 6.5 |
| 7 | 2 | WECC | MT | 6 | Montana | 8 | 0 | 0 | 0 | 0 | 6.5 |
| 8 | 2 | WECC | WY | 7 | Wyoming | 9 | 0 | 0 | 0 | 0 | 6.5 |
| 9 | 2 | WECC | CO | 8 | Colorado | 10 | 0 | 0 | 0 | 0 | 6.5 |
| 10 | 2 | WECC | NM | 9 | NewMexico | 11 | 0 | 0 | 0 | 0 | 6.5 |
| 11 | 2 | WECC | AZ+SN | 10 | Arizona | 12 | 15 | 0 | 0 | 0 | 6.5 |
| 12 | 2 | WECC | UT | 11 | Utah | 13 | 0 | 0 | 0 | 0 | 6.5 |
| 13 | 2 | WECC | NN | 12 | Northern Nevada | 14 | 0 | 0 | 0 | 0 | 6.5 |
| 14 | 2 | WECC | AB | 13 | Alberta | 23 | 0 | 0 | 0 | 0 | 6.5 |
| 15 | 2 | WECC | MX | 14 | Baja California | 21 | 0 | 0 | 0 | 0 | 6.5 |

TABLE 3
Demand Monthly

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | |
|----|-------------|--------------|-------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|------|-------|-------|-------|------|
| 1 | Demand Year | Demand Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 2 | 2008 | 1 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.00 | 1.00 | 1.06 | 1.03 | 0.99 | 0.96 | 0.85 | 1.07 | 0.99 | 0.85 | 0.96 | 0.96 | 0.95 | 0.95 | 0.95 | 0.95 | 1.13 | 1.02 | |
| 3 | 2008 | 2 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 0.95 | 0.95 | 1.05 | 1.01 | 0.99 | 0.95 | 0.82 | 1.03 | 0.99 | 0.82 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 1.12 | 1.01 | |
| 4 | 2008 | 3 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 0.87 | 0.87 | 1.01 | 0.98 | 0.95 | 0.93 | 0.80 | 0.97 | 0.96 | 0.80 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 1.08 | 1.00 | |
| 5 | 2008 | 4 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.83 | 0.83 | 0.93 | 0.92 | 0.92 | 0.90 | 0.81 | 0.92 | 0.94 | 0.81 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.98 | 0.96 |
| 6 | 2008 | 5 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.97 | 0.97 | 0.92 | 0.92 | 0.92 | 0.94 | 0.97 | 0.92 | 0.96 | 0.97 | 0.98 | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.95 |
| 7 | 2008 | 6 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 1.18 | 1.18 | 0.98 | 0.96 | 1.00 | 1.07 | 1.24 | 0.99 | 1.03 | 1.24 | 1.08 | 1.08 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 0.89 | 0.95 |
| 8 | 2008 | 7 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 1.29 | 1.29 | 1.06 | 1.12 | 1.13 | 1.13 | 1.33 | 1.07 | 1.09 | 1.33 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 0.90 | 1.00 |
| 9 | 2008 | 8 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.21 | 1.05 | 1.12 | 1.12 | 1.13 | 1.34 | 1.06 | 1.09 | 1.34 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 0.90 | 0.99 |
| 10 | 2008 | 9 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.99 | 0.99 | 0.95 | 0.98 | 1.00 | 1.04 | 1.18 | 0.96 | 1.00 | 1.18 | 1.07 | 1.07 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 0.91 | 0.98 |
| 11 | 2008 | 10 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.85 | 0.85 | 0.92 | 0.92 | 0.94 | 0.95 | 0.95 | 0.92 | 0.95 | 0.95 | 0.98 | 0.98 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.96 | 1.00 |
| 12 | 2008 | 11 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 0.90 | 0.90 | 1.00 | 0.98 | 0.99 | 0.96 | 0.81 | 1.01 | 0.97 | 0.81 | 0.94 | 0.94 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 1.06 | 1.04 |
| 13 | 2008 | 12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 0.96 | 0.96 | 1.08 | 1.06 | 1.05 | 1.03 | 0.89 | 1.07 | 1.02 | 0.89 | 0.99 | 0.99 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.15 | 1.09 |
| 14 | 2008 | 13 | 7,095 | 6,951 | 2,017 | 891 | 1,720 | 1,801 | 638 | 2,063 | 1,658 | 5,561 | 2,849 | 9,757 | 3,328 | 1,409 | 3,144 | 12,923 | 1,288 | 15,502 | 2,391 | 386 | 1,317 | 7,514 | 8,197 | |

TABLE 4
Demand Monthly - Decremental

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y |
|----|-------------|--------------|-------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|------|-------|-------|-------|
| 1 | Demand Year | Demand Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 2 | 2008 | 1 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.00 | 1.00 | 1.06 | 1.03 | 0.99 | 0.96 | 0.85 | 1.07 | 0.99 | 0.85 | 0.96 | 0.96 | 0.95 | 0.95 | 0.95 | 0.95 | 1.13 | 1.02 |
| 3 | 2008 | 2 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 0.95 | 0.95 | 1.05 | 1.01 | 0.99 | 0.95 | 0.82 | 1.03 | 0.99 | 0.82 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 1.12 | 1.01 |
| 4 | 2008 | 3 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 0.87 | 0.87 | 1.01 | 0.98 | 0.95 | 0.93 | 0.80 | 0.97 | 0.96 | 0.80 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 1.08 | 1.00 |
| 5 | 2008 | 4 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.83 | 0.83 | 0.93 | 0.92 | 0.92 | 0.90 | 0.81 | 0.92 | 0.94 | 0.81 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.98 | 0.96 |
| 6 | 2008 | 5 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.97 | 0.97 | 0.92 | 0.92 | 0.92 | 0.94 | 0.97 | 0.92 | 0.96 | 0.97 | 0.98 | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.95 |
| 7 | 2008 | 6 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 1.18 | 1.18 | 0.98 | 0.96 | 1.00 | 1.07 | 1.24 | 0.99 | 1.03 | 1.24 | 1.08 | 1.08 | 1.03 | 1.03 | 1.03 | 1.03 | 0.89 | 0.95 |
| 8 | 2008 | 7 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 1.29 | 1.29 | 1.06 | 1.12 | 1.13 | 1.13 | 1.33 | 1.07 | 1.09 | 1.33 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 0.90 | 1.00 |
| 9 | 2008 | 8 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.21 | 1.05 | 1.12 | 1.12 | 1.13 | 1.34 | 1.06 | 1.09 | 1.34 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 0.90 | 0.99 |
| 10 | 2008 | 9 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.99 | 0.99 | 0.95 | 0.98 | 1.00 | 1.04 | 1.18 | 0.96 | 1.00 | 1.18 | 1.07 | 1.07 | 1.09 | 1.09 | 1.09 | 1.09 | 0.91 | 0.98 |
| 11 | 2008 | 10 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.85 | 0.85 | 0.92 | 0.92 | 0.94 | 0.95 | 0.95 | 0.92 | 0.95 | 0.95 | 0.98 | 0.98 | 0.99 | 0.99 | 0.99 | 0.99 | 0.96 | 1.00 |
| 12 | 2008 | 11 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 0.90 | 0.90 | 1.00 | 0.98 | 0.99 | 0.96 | 0.81 | 1.01 | 0.97 | 0.81 | 0.94 | 0.94 | 0.96 | 0.96 | 0.96 | 0.96 | 1.06 | 1.04 |
| 13 | 2008 | 12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 0.96 | 0.96 | 1.08 | 1.06 | 1.05 | 1.03 | 0.89 | 1.07 | 1.02 | 0.89 | 0.99 | 0.99 | 1.01 | 1.01 | 1.01 | 1.01 | 1.15 | 1.09 |
| 14 | 2008 | 13 | 6,146 | 6,021 | 1,747 | 772 | 1,490 | 1,801 | 638 | 2,063 | 1,658 | 5,561 | 2,849 | 9,757 | 3,328 | 1,409 | 3,144 | 12,923 | 1,288 | 15,502 | 2,391 | 386 | 1,317 | 7,514 | 8,197 |

TABLE 5
Fuel

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
|----|---------|--------------------------------|-----------|---------------------|----------|------------|----------|----------------------|-----------------------|-------------------------|-------------------------|----------------------------|-----------------------|----------|------------------------------|----------------------------|---------------------|------------------|--------------------|----------------|----------------|-------------|----------------|----------------|-------------------|------------------------|
| 1 | Fuel ID | Fuel Name | Fuel Type | Price | Units | Escalation | Ref Fuel | Monthly Shape Vector | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maintenance Rate (Percent) | Non Cycling (Percent) | Must Run | Start Up Costs (\$/MW/Start) | Minimum Capacity (Percent) | Ramp Rate (Percent) | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Risk Outage | Bidding Factor | Resource Group | Can Drop Resource | Peak Credit (Fraction) |
| 2 | WAT | Water | WAT | 0.00 | \$/mmBtu | 0 | 0 | 0 | 3.60 | 202.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | TRUE | 0.88 |
| 3 | WND | Wind | WND | 0.02 | \$/mmBtu | 0 | 0 | 0 | 0.65 | 438.62 | 60 | 10 | 0 | 1 | 0 | 40 | 0 | 1 | 1 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 5 | TRUE | 0.15 |
| 4 | SUN | Solar | SUN | 0.57 | \$/mmBtu | 0 | 0 | mn_fuel_shape_flat | 1.22 | 822.00 | 45 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 5 | TRUE | 0.3 |
| 5 | GEO | Geothermal Steam | GEO | 1.70 | \$/mmBtu | 0 | 0 | mn_fuel_shape_flat | 2.52 | 1,696.84 | 5 | 5 | 0 | 1 | 0 | 40 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 5 | TRUE | 1 |
| 6 | UR | Uranium | UR | 0.79 | \$/mmBtu | 0 | 0 | 0 | 1.91 | 967.38 | mn_FOR_Nuclear | mn_Maint_Nuclear | 0 | 1 | 0 | 70 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 4 | TRUE | 1 |
| 7 | REF | Refuse | REF | 1.13 | \$/mmBtu | 0 | 0 | mn_fuel_shape_flat | 4.49 | 532.48 | 5 | 5 | 0 | 1 | 0 | 40 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | TRUE | 1 |
| 8 | OTH | Other, Bio, ZZ, WC, WH | OTH | 0.05 | \$/mmBtu | 0 | 0 | 0 | 4.49 | 532.48 | 5 | 5 | 0 | 1 | 0 | 40 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | TRUE | 1 |
| 9 | PS | Pump Storage | PS | 0.00 | \$/mmBtu | 0 | 0 | 0 | 5.13 | 199.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/1/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | FALSE | 1 |
| 10 | CCL1 | Customer Curtailment Level I | CCLI | 40.73 | \$/mmBtu | 0 | 0 | 0 | 0.00 | -113.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | FALSE | 1 |
| 11 | CCL2 | Customer Curtailment Level II | CCLII | 54.31 | \$/mmBtu | 0 | 0 | 0 | 0.00 | -113.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | FALSE | 1 |
| 12 | CCL3 | Customer Curtailment Level III | CCLIII | 67.88 | \$/mmBtu | 0 | 0 | 0 | 0.00 | -113.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | FALSE | 1 |
| 13 | CCL4 | Customer Curtailment Level IV | CCLIV | 90.51 | \$/mmBtu | 0 | 0 | 0 | 0.00 | -113.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | FALSE | 1 |
| 14 | CCL5 | Customer Curtailment Level V | CCLV | 181.02 | \$/mmBtu | 0 | 0 | 0 | 0.00 | -113.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | FALSE | 1 |
| 15 | CCL6 | Customer Curtailment Final | CCFN | 452.57 | \$/mmBtu | 0 | 0 | 0 | 0.00 | -113.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | FALSE | 1 |
| 16 | co_AZ | Arizona Coal | Coal | yr_coal_EIA_DR13_ZN | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 20 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 17 | co_CA | California Coal | Coal | yr_coal_EIA_DR14_PC | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 10 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 18 | co_CN | Canada Coal | Coal | yr_coal_Can | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 6.25 | mn_ABCoalMR | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 19 | co_CO | Colorado Coal | Coal | yr_coal_EIA_DR12_CU | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 10 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 20 | co_MT | Montana Coal | Coal | yr_coal_EIA_DR11_MT | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 10 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 21 | co_NV | Nevada Coal | Coal | yr_coal_EIA_DR12_CU | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 20 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 22 | co_NM | New Mexico Coal | Coal | yr_coal_EIA_DR13_ZN | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 20 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 23 | co_NW | Ore Wash Coal | Coal | yr_coal_EIA_DR14_PC | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 10 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 24 | co_UT | Utah Coal | Coal | yr_coal_EIA_DR12_CU | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 10 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 25 | co_WY | Wyoming Coal | Coal | yr_coal_EIA_DR11_MT | \$/mmBtu | 0 | 0 | 0 | 4.91 | 398.62 | 10 | mn_Maint_Coal | 5 | 0 | 0 | 30 | 0 | 48 | 24 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 3 | FALSE | 1 |
| 26 | FO2 | No. 2 Fuel Oil | FO2 | yr_Distillate | \$/mmBtu | 0 | 0 | mn_fuel_shape_high | 5.89 | 173.27 | mn_FOR_Dist | mn_Maint_Dist | 5 | 0 | 0 | 30 | 0 | 4 | 4 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | TRUE | 1 |
| 27 | FO6 | No. 6 Fuel Oil | FO6 | yr_Residual | \$/mmBtu | 0 | 0 | mn_fuel_shape_high | 5.89 | 173.27 | mn_FOR_Resid | mn_Maint_Resid | 5 | 0 | 0 | 30 | 0 | 8 | 4 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | TRUE | 1 |
| 28 | NGHenry | Henry Hub Natural Gas | GasHub | yr_1071 | \$/mmBtu | 0 | 0 | yr_1005 | 2.61 | 180.77 | mn_FOR_Gas0 | mn_Maint_Gas0 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 0 | TRUE | 1 |
| 29 | gs_BC | British Columbia | Gas | yr_gas_price_BC | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 30 | gs_AB | Alberta | Gas | yr_gas_price_AB | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 31 | gs_AZ | Arizona NG | Gas | yr_gas_price_AZ | \$/mmBtu | 0 | 0 | yr_SW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 32 | gs_NV | Nevada NG | Gas | yr_gas_price_NV | \$/mmBtu | 0 | 0 | yr_SW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 33 | gs_NM | New Mexico NG | Gas | yr_gas_price_NM | \$/mmBtu | 0 | 0 | yr_SW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 34 | gs_NC | North Calif NG | Gas | yr_gas_price_NC | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 35 | gs_NW | NW Sumas | Gas | yr_gas_price_NW | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 36 | gs_CO | Colorado | Gas | yr_gas_price_CO | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 37 | gs_UT | Utah NG | Gas | yr_gas_price_UT | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 38 | gs_SC | South Calif NG | Gas | yr_gas_price_SC | \$/mmBtu | 0 | 0 | yr_SW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 39 | gs_ID | Idaho NG | Gas | yr_gas_price_ID | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 40 | gs_MT | Montana NG | Gas | yr_gas_price_MT | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |
| 41 | gs_WY | Wyoming NG | Gas | yr_gas_price_WY | \$/mmBtu | 0 | 0 | yr_NW_Gas_shape | 2.61 | 180.77 | 6 | 6 | 5 | 0 | 0 | 30 | 0 | 8 | 8 | 1/2/1980 00:00 | 1/1/1980 00:00 | FALSE | 0 | 2 | TRUE | 1 |

TABLE 6
General Information

| | A | B | C | D |
|---|---------------------|------------------------------------|-------------------------|---|
| 1 | Company Name | Discount Rate (Percent) | Inflation Vector | Real Discount Rate (Percent) |
| 2 | Bonneville Power | 10.53 | yr_1002 | 7.83 |

TABLE 7
Hubs

| | A | B | C | D | E |
|---|--------|--------------|----|----|------------------|
| 1 | Number | Name | 1 | 2 | Use High Cost |
| 2 | 1 | COB | 4 | 16 | TRUE |
| 3 | 2 | Palo Verde | 18 | 12 | TRUE |
| 4 | 3 | Mead | 12 | 15 | TRUE |
| 5 | 4 | Mid-Columbia | 3 | 3 | TRUE |
| 6 | 5 | Four Corners | 11 | 12 | TRUE |
| 7 | 6 | CA Path15 | 16 | 18 | TRUE |
| 8 | 7 | CA NP-15 | 16 | 16 | TRUE |
| 9 | 8 | CA SP-15 | 18 | 18 | TRUE |

TABLE 8
Hydro Monthly

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y |
|----|------|-------------|--|---|---|---|---|---|---|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | CY | Hydro Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 2 | 2009 | 1 | | | | | | | | | 0.47 | 0.63 | 0.67 | 0.80 | 0.64 | 0.67 | 0.80 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 1.00 | 1.03 | 1.07 |
| 3 | 2009 | 2 | | | | | | | | | 0.38 | 0.65 | 0.89 | 0.85 | 0.63 | 0.84 | 0.85 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 1.00 | 0.94 | 0.93 |
| 4 | 2009 | 3 | | | | | | | | | 0.44 | 0.77 | 1.39 | 0.86 | 0.67 | 0.93 | 0.86 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.00 | 0.95 | 0.96 |
| 5 | 2009 | 4 | | | | | | | | | 0.69 | 0.90 | 1.47 | 0.85 | 1.00 | 1.00 | 0.85 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.00 | 0.98 | 1.08 |
| 6 | 2009 | 5 | | | | | | | | | 1.00 | 1.30 | 1.51 | 0.87 | 1.47 | 1.21 | 0.87 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.00 | 1.12 | 1.29 |
| 7 | 2009 | 6 | | | | | | | | | 1.74 | 1.58 | 1.54 | 1.17 | 1.56 | 1.28 | 1.17 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.00 | 1.12 | 1.17 |
| 8 | 2009 | 7 | | | | | | | | | 2.12 | 1.64 | 1.50 | 1.32 | 1.42 | 1.30 | 1.32 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.00 | 1.06 | 0.90 |
| 9 | 2009 | 8 | | | | | | | | | 1.99 | 1.41 | 1.14 | 1.35 | 0.93 | 1.26 | 1.35 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.00 | 0.98 | 0.74 |
| 10 | 2009 | 9 | | | | | | | | | 1.19 | 0.86 | 0.86 | 1.26 | 0.88 | 1.19 | 1.26 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 1.00 | 0.86 | 0.78 |
| 11 | 2009 | 10 | | | | | | | | | 0.75 | 0.79 | 0.46 | 0.99 | 0.89 | 0.93 | 0.99 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 1.00 | 0.91 | 0.90 |
| 12 | 2009 | 11 | | | | | | | | | 0.67 | 0.75 | 0.25 | 0.89 | 0.97 | 0.72 | 0.89 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 1.00 | 1.01 | 1.11 |
| 13 | 2009 | 12 | | | | | | | | | 0.58 | 0.71 | 0.33 | 0.80 | 0.94 | 0.68 | 0.80 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 1.00 | 1.05 | 1.09 |
| 14 | 2009 | 13 | | | | | | | | | 0.32 | 0.22 | 0.46 | 0.31 | 0.43 | 0.48 | 0.31 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 1.00 | 0.54 | 0.51 |
| 15 | 2010 | 1 | Areas 1 through 8 use PNW 70 water year ratios. See table Hydro_PNW 70 Water Year Ratios for each water year. | | | | | | | | 0.47 | 0.63 | 0.67 | 0.80 | 0.64 | 0.67 | 0.80 | 0.82 | 0.82 | 0.82 | 0.82 | 1.00 | 1.03 | 1.07 | |
| 16 | 2010 | 2 | | | | | | | | | 0.38 | 0.65 | 0.89 | 0.85 | 0.63 | 0.84 | 0.85 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 1.00 | 0.94 | 0.93 |
| 17 | 2010 | 3 | | | | | | | | | 0.44 | 0.77 | 1.39 | 0.86 | 0.67 | 0.93 | 0.86 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.00 | 0.95 | 0.96 |
| 18 | 2010 | 4 | | | | | | | | | 0.69 | 0.90 | 1.47 | 0.85 | 1.00 | 1.00 | 0.85 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.00 | 0.98 | 1.08 |
| 19 | 2010 | 5 | | | | | | | | | 1.00 | 1.30 | 1.51 | 0.87 | 1.47 | 1.21 | 0.87 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.00 | 1.12 | 1.29 |
| 20 | 2010 | 6 | | | | | | | | | 1.74 | 1.58 | 1.54 | 1.17 | 1.56 | 1.28 | 1.17 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.00 | 1.12 | 1.17 |
| 21 | 2010 | 7 | | | | | | | | | 2.12 | 1.64 | 1.50 | 1.32 | 1.42 | 1.30 | 1.32 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.00 | 1.06 | 0.90 |
| 22 | 2010 | 8 | | | | | | | | | 1.99 | 1.41 | 1.14 | 1.35 | 0.93 | 1.26 | 1.35 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.00 | 0.98 | 0.74 |
| 23 | 2010 | 9 | | | | | | | | | 1.19 | 0.86 | 0.86 | 1.26 | 0.88 | 1.19 | 1.26 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 1.00 | 0.86 | 0.78 |
| 24 | 2010 | 10 | | | | | | | | | 0.75 | 0.79 | 0.46 | 0.99 | 0.89 | 0.93 | 0.99 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 1.00 | 0.91 | 0.90 |
| 25 | 2010 | 11 | | | | | | | | | 0.67 | 0.75 | 0.25 | 0.89 | 0.97 | 0.72 | 0.89 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 1.00 | 1.01 | 1.11 |
| 26 | 2010 | 12 | | | | | | | | | 0.58 | 0.71 | 0.33 | 0.80 | 0.94 | 0.68 | 0.80 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 1.00 | 1.05 | 1.09 |
| 27 | 2010 | 13 | | | | | | | | | 0.32 | 0.22 | 0.46 | 0.31 | 0.43 | 0.48 | 0.31 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 1.00 | 0.54 | 0.51 |
| 28 | 2011 | 1 | | | | | | | | | 0.47 | 0.63 | 0.67 | 0.80 | 0.64 | 0.67 | 0.80 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 1.00 | 1.03 | 1.07 |
| 29 | 2011 | 2 | | | | | | | | | 0.38 | 0.65 | 0.89 | 0.85 | 0.63 | 0.84 | 0.85 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 1.00 | 0.94 | 0.93 |
| 30 | 2011 | 3 | | | | | | | | | 0.44 | 0.77 | 1.39 | 0.86 | 0.67 | 0.93 | 0.86 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.00 | 0.95 | 0.96 |
| 31 | 2011 | 4 | | | | | | | | | 0.69 | 0.90 | 1.47 | 0.85 | 1.00 | 1.00 | 0.85 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.00 | 0.98 | 1.08 |
| 32 | 2011 | 5 | | | | | | | | | 1.00 | 1.30 | 1.51 | 0.87 | 1.47 | 1.21 | 0.87 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.00 | 1.12 | 1.29 |
| 33 | 2011 | 6 | | | | | | | | | 1.74 | 1.58 | 1.54 | 1.17 | 1.56 | 1.28 | 1.17 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.00 | 1.12 | 1.17 |
| 34 | 2011 | 7 | | | | | | | | | 2.12 | 1.64 | 1.50 | 1.32 | 1.42 | 1.30 | 1.32 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.00 | 1.06 | 0.90 |
| 35 | 2011 | 8 | | | | | | | | | 1.99 | 1.41 | 1.14 | 1.35 | 0.93 | 1.26 | 1.35 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.00 | 0.98 | 0.74 |
| 36 | 2011 | 9 | | | | | | | | | 1.19 | 0.86 | 0.86 | 1.26 | 0.88 | 1.19 | 1.26 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 1.00 | 0.86 | 0.78 |
| 37 | 2011 | 10 | | | | | | | | | 0.75 | 0.79 | 0.46 | 0.99 | 0.89 | 0.93 | 0.99 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 1.00 | 0.91 | 0.90 |
| 38 | 2011 | 11 | | | | | | | | | 0.67 | 0.75 | 0.25 | 0.89 | 0.97 | 0.72 | 0.89 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 1.00 | 1.01 | 1.11 |
| 39 | 2011 | 12 | | | | | | | | | 0.58 | 0.71 | 0.33 | 0.80 | 0.94 | 0.68 | 0.80 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 1.00 | 1.05 | 1.09 |
| 40 | 2011 | 13 | | | | | | | | | 0.32 | 0.22 | 0.46 | 0.31 | 0.43 | 0.48 | 0.31 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 1.00 | 0.54 | 0.51 |

TABLE 9

PNW Hydro Generation Ratios

Time series is 1929 - 1998. Time series continues through page 12.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
|----|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | CY | MonthID | Month | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 |
| 2 | 2009 | 1 | Jan | 0.98264 | 1.04936 | 1.05918 | 0.85361 | 1.26839 | 1.24440 | 1.27482 | 0.82632 | 1.05958 | 1.24340 | 0.97869 | 0.93050 | 0.95876 | 1.02266 | 1.09651 | 1.04702 | 1.00344 | 1.07980 | 1.16860 |
| 3 | 2009 | 2 | Feb | 0.96060 | 0.99209 | 0.98180 | 0.78279 | 1.00955 | 1.19872 | 1.28354 | 0.90428 | 0.92386 | 0.92822 | 0.89446 | 0.96026 | 0.99685 | 1.02455 | 1.07946 | 1.01176 | 0.88990 | 0.85580 | 1.15639 |
| 4 | 2009 | 3 | Mar | 0.95261 | 0.94009 | 0.91869 | 0.92616 | 0.75513 | 1.08968 | 0.76739 | 0.84995 | 0.87231 | 0.98646 | 0.96831 | 1.17911 | 1.09642 | 0.77077 | 1.01989 | 0.99800 | 0.88192 | 1.10614 | 1.11148 |
| 5 | 2009 | 4 | Apr | 0.95109 | 1.08293 | 0.88453 | 1.25310 | 0.99318 | 1.12617 | 0.94745 | 1.15658 | 0.80280 | 1.19780 | 1.19865 | 1.26524 | 0.96399 | 0.98255 | 1.26570 | 0.99513 | 0.72754 | 1.21694 | 1.07564 |
| 6 | 2009 | 5 | May | 1.07052 | 1.05128 | 1.10844 | 1.57022 | 1.26153 | 1.18980 | 1.29951 | 1.52197 | 1.22186 | 1.45695 | 1.55275 | 1.26967 | 1.11310 | 1.21551 | 1.38921 | 1.02890 | 1.50247 | 1.41621 | 1.24753 |
| 7 | 2009 | 6 | Jun | 1.26954 | 1.07087 | 1.03521 | 1.45168 | 1.29830 | 1.07604 | 1.17669 | 1.48999 | 1.15961 | 1.24365 | 1.19542 | 1.22735 | 1.04499 | 1.40969 | 1.27685 | 0.99386 | 1.47344 | 1.25056 | 1.20245 |
| 8 | 2009 | 7 | Jul | 1.09506 | 1.10381 | 1.10795 | 1.09612 | 1.23786 | 0.85827 | 1.15837 | 1.02563 | 1.04812 | 1.04294 | 0.99620 | 0.87173 | 1.04790 | 1.23998 | 1.16772 | 0.97409 | 1.05712 | 1.12908 | 1.05984 |
| 9 | 2009 | 8 | Aug | 0.87629 | 0.85181 | 0.95586 | 0.83162 | 0.95618 | 0.61296 | 0.86634 | 0.86243 | 1.00815 | 0.71072 | 0.75894 | 0.72567 | 0.89883 | 0.90910 | 0.76575 | 0.91431 | 0.90728 | 0.78773 | 0.71790 |
| 10 | 2009 | 9 | Sep | 0.81424 | 0.81848 | 0.88667 | 0.76862 | 0.76066 | 0.60379 | 0.67993 | 0.70213 | 0.85565 | 0.70228 | 0.70883 | 0.74250 | 0.90998 | 0.76514 | 0.58143 | 0.90774 | 0.80019 | 0.69167 | 0.64013 |
| 11 | 2009 | 10 | Oct | 0.91801 | 0.92110 | 0.89307 | 0.70888 | 0.70874 | 0.76969 | 0.74723 | 0.80327 | 0.90249 | 0.70823 | 0.84185 | 0.82220 | 0.87064 | 0.71088 | 0.69283 | 0.93547 | 0.80443 | 0.67211 | 0.66142 |
| 12 | 2009 | 11 | Nov | 1.03370 | 1.01769 | 1.05530 | 0.83054 | 0.80001 | 0.99025 | 0.84535 | 0.89974 | 1.04446 | 0.82608 | 0.92197 | 0.92748 | 1.01772 | 0.87845 | 0.76969 | 1.06421 | 0.92033 | 0.84689 | 0.80756 |
| 13 | 2009 | 12 | Dec | 1.07570 | 1.10050 | 1.11331 | 0.92668 | 0.95047 | 1.24023 | 0.95338 | 0.95771 | 1.10111 | 0.95325 | 0.98394 | 1.07830 | 1.08082 | 1.07073 | 0.89495 | 1.12949 | 1.03194 | 0.94708 | 1.15106 |
| 14 | 2009 | 13 | Average | 0.35968 | 0.34596 | 0.34574 | 0.40505 | 0.45641 | 0.49631 | 0.42712 | 0.39165 | 0.34775 | 0.44945 | 0.38779 | 0.39603 | 0.35884 | 0.41528 | 0.46721 | 0.34597 | 0.35706 | 0.46187 | 0.48638 |
| 15 | 2010 | 1 | Jan | 0.98164 | 1.04827 | 1.05804 | 0.84247 | 1.25918 | 1.21956 | 1.27394 | 0.82256 | 1.05851 | 1.23349 | 0.97755 | 0.92950 | 0.95782 | 1.02157 | 1.08223 | 1.04584 | 1.00241 | 1.07032 | 1.16344 |
| 16 | 2010 | 2 | Feb | 0.95962 | 0.99106 | 0.98074 | 0.77257 | 1.00222 | 1.17479 | 1.28265 | 0.90017 | 0.92293 | 0.92083 | 0.89343 | 0.95923 | 0.99588 | 1.02346 | 1.06540 | 1.01061 | 0.88899 | 0.84829 | 1.15129 |
| 17 | 2010 | 3 | Mar | 0.95163 | 0.93911 | 0.91770 | 0.91407 | 0.74965 | 1.06793 | 0.76685 | 0.84608 | 0.87143 | 0.97860 | 0.96719 | 1.17784 | 1.09535 | 0.76995 | 1.00661 | 0.99688 | 0.88101 | 1.09643 | 1.10657 |
| 18 | 2010 | 4 | Apr | 0.95012 | 1.08181 | 0.88358 | 1.23675 | 0.98597 | 1.10369 | 0.94679 | 1.15132 | 0.80199 | 1.18826 | 1.19726 | 1.26388 | 0.96305 | 0.98151 | 1.24921 | 0.99401 | 0.72679 | 1.20625 | 1.07090 |
| 19 | 2010 | 5 | May | 1.06942 | 1.05018 | 1.10725 | 1.54973 | 1.25237 | 1.16605 | 1.29860 | 1.51505 | 1.22062 | 1.44534 | 1.55095 | 1.26830 | 1.11201 | 1.21421 | 1.37112 | 1.02774 | 1.50093 | 1.40378 | 1.24202 |
| 20 | 2010 | 6 | Jun | 1.26825 | 1.06976 | 1.03410 | 1.43273 | 1.28888 | 1.05456 | 1.17587 | 1.48321 | 1.15844 | 1.23374 | 1.19404 | 1.22603 | 1.04397 | 1.40819 | 1.26022 | 0.99274 | 1.47193 | 1.23958 | 1.19714 |
| 21 | 2010 | 7 | Jul | 1.09394 | 1.10266 | 1.10675 | 1.08181 | 1.22887 | 0.84114 | 1.15756 | 1.02096 | 1.04706 | 1.03463 | 0.99504 | 0.87079 | 1.04688 | 1.23866 | 1.15251 | 0.97299 | 1.05604 | 1.11917 | 1.05516 |
| 22 | 2010 | 8 | Aug | 0.87539 | 0.85093 | 0.95484 | 0.82076 | 0.94924 | 0.60072 | 0.86574 | 0.85851 | 1.00712 | 0.70506 | 0.75806 | 0.72489 | 0.89795 | 0.90814 | 0.75578 | 0.91328 | 0.90635 | 0.78081 | 0.71473 |
| 23 | 2010 | 9 | Sep | 0.81341 | 0.81763 | 0.88571 | 0.75859 | 0.75514 | 0.59174 | 0.67946 | 0.69894 | 0.85479 | 0.69666 | 0.70801 | 0.74170 | 0.90909 | 0.76432 | 0.57386 | 0.90672 | 0.79937 | 0.68560 | 0.63730 |
| 24 | 2010 | 10 | Oct | 0.91885 | 0.92172 | 0.89389 | 0.70118 | 0.70500 | 0.75565 | 0.74825 | 0.80127 | 0.90310 | 0.70403 | 0.84240 | 0.82298 | 0.87157 | 0.71159 | 0.68494 | 0.93623 | 0.80499 | 0.66734 | 0.65977 |
| 25 | 2010 | 11 | Nov | 1.03450 | 1.01814 | 1.05617 | 0.82132 | 0.79557 | 0.97074 | 0.84624 | 0.89737 | 1.04503 | 0.82094 | 0.92262 | 0.92815 | 1.01861 | 0.87910 | 0.76101 | 1.06492 | 0.92124 | 0.84090 | 0.80534 |
| 26 | 2010 | 12 | Dec | 1.07528 | 1.10003 | 1.11287 | 0.91511 | 0.94416 | 1.25240 | 0.95328 | 0.95399 | 1.10071 | 0.94620 | 0.98338 | 1.07787 | 1.08047 | 1.07018 | 0.88375 | 1.12887 | 1.03156 | 0.93933 | 1.14598 |
| 27 | 2010 | 13 | Average | 0.36004 | 0.34631 | 0.34611 | 0.41041 | 0.45975 | 0.50641 | 0.42742 | 0.39344 | 0.34810 | 0.45307 | 0.38824 | 0.39645 | 0.35919 | 0.41572 | 0.47337 | 0.34636 | 0.35743 | 0.46596 | 0.48854 |
| 28 | 2011 | 1 | Jan | 0.98101 | 1.04740 | 1.05700 | 0.84556 | 1.25712 | 1.27695 | 1.27201 | 0.82319 | 1.05767 | 1.23275 | 0.97653 | 0.92838 | 0.96342 | 1.02035 | 1.08637 | 1.04498 | 1.00149 | 1.07047 | 1.16478 |
| 29 | 2011 | 2 | Feb | 0.95907 | 0.99022 | 0.97990 | 0.77551 | 1.00192 | 1.22040 | 1.27852 | 0.90108 | 0.92222 | 0.92074 | 0.89255 | 0.95807 | 0.98776 | 1.02234 | 1.06805 | 1.00999 | 0.88817 | 0.84892 | 1.15192 |
| 30 | 2011 | 3 | Mar | 0.95104 | 0.93829 | 0.91680 | 0.91730 | 0.74908 | 1.06036 | 0.76602 | 0.84681 | 0.87066 | 0.97843 | 0.96639 | 1.17640 | 1.09465 | 0.76913 | 1.01040 | 0.99617 | 0.88024 | 1.09615 | 1.10720 |
| 31 | 2011 | 4 | Apr | 0.94964 | 1.08108 | 0.88289 | 1.26712 | 0.98552 | 1.17888 | 0.94585 | 1.15301 | 0.80129 | 1.23235 | 1.19679 | 1.26265 | 0.96264 | 0.98061 | 1.34171 | 0.99352 | 0.72628 | 1.25515 | 1.07294 |
| 32 | 2011 | 5 | May | 1.06943 | 1.05028 | 1.10665 | 1.60645 | 1.25264 | 1.16062 | 1.29804 | 1.51766 | 1.22060 | 1.48697 | 1.55097 | 1.26827 | 1.11200 | 1.21392 | 1.37707 | 1.02779 | 1.50062 | 1.45065 | 1.24481 |
| 33 | 2011 | 6 | Jun | 1.26838 | 1.06992 | 1.03400 | 1.50877 | 1.35068 | 1.04709 | 1.17566 | 1.52679 | 1.15835 | 1.23466 | 1.19393 | 1.22594 | 1.04438 | 1.40779 | 1.32669 | 0.99293 | 1.47193 | 1.24091 | 1.24577 |
| 34 | 2011 | 7 | Jul | 1.09443 | 1.10295 | 1.10693 | 1.08698 | 1.24366 | 0.83743 | 1.15764 | 1.02309 | 1.04732 | 1.03556 | 0.99512 | 0.87089 | 1.04738 | 1.23846 | 1.15803 | 0.97340 | 1.05630 | 1.12051 | 1.05801 |
| 35 | 2011 | 8 | Aug | 0.87564 | 0.85103 | 0.95512 | 0.82483 | 0.94943 | 0.59805 | 0.86542 | 0.86039 | 1.00718 | 0.70545 | 0.75816 | 0.72479 | 0.89817 | 0.90789 | 0.75935 | 0.91358 | 0.90642 | 0.78167 | 0.71656 |
| 36 | 2011 | 9 | Sep | 0.81332 | 0.81743 | 0.88530 | 0.76220 | 0.75506 | 0.58890 | 0.67930 | 0.70002 | 0.85457 | 0.69700 | 0.70780 | 0.74122 | 0.90881 | 0.76374 | 0.57637 | 0.90666 | 0.79917 | 0.68606 | 0.63864 |
| 37 | 2011 | 10 | Oct | 0.92016 | 0.92310 | 0.89521 | 0.70549 | 0.70621 | 0.75317 | 0.74922 | 0.80385 | 0.90449 | 0.70553 | 0.84342 | 0.82398 | 0.87297 | 0.71231 | 0.68922 | 0.93746 | 0.80627 | 0.66893 | 0.66218 |
| 38 | 2011 | 11 | Nov | 1.03601 | 1.01981 | 1.05768 | 0.82630 | 0.79654 | 0.96762 | 0.84683 | 0.90033 | 1.04675 | 0.82246 | 0.92372 | 0.92931 | 1.02023 | 0.88003 | 0.76541 | 1.06632 | 0.92264 | 0.84279 | 0.80824 |
| 39 | 2011 | 12 | Dec | 1.07667 | 1.10118 | 1.11419 | 0.92041 | 0.94546 | 1.26334 | 0.95411 | 0.95683 | 1.10201 | 0.94789 | 0.98416 | 1.07898 | 1.08201 | 1.07094 | 0.88869 | 1.12996 | 1.03281 | 0.94133 | 1.14957 |
| 40 | 2011 | 13 | Average | 0.36042 | 0.34676 | 0.34660 | 0.40903 | 0.46024 | 0.50938 | 0.42804 | 0.39324 | 0.34854 | 0.45330 | 0.38880 | 0.39707 | 0.35959 | 0.41639 | 0.47173 | 0.34679 | 0.35788 | 0.46605 | 0.48793 |

TABLE 9

PNW Hydro Generation Ratios

Time series is 1929 - 1998. Time series continues through page 12.

| | A | B | C | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO |
|----|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | CY | MonthID | Month | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 |
| 2 | 2009 | 1 | Jan | 1.22672 | 0.85502 | 1.08938 | 1.18012 | 1.26992 | 0.97324 | 1.06170 | 0.94746 | 1.20000 | 1.01902 | 1.01463 | 1.22406 | 1.12016 | 1.19291 | 1.10425 | 1.15086 | 1.01107 | 1.22670 | 1.17942 |
| 3 | 2009 | 2 | Feb | 0.89866 | 1.01298 | 1.11880 | 1.16523 | 1.00560 | 1.22914 | 1.17573 | 0.85516 | 1.14056 | 0.94549 | 1.20737 | 1.18793 | 0.97136 | 1.08007 | 1.06393 | 1.16210 | 1.02126 | 1.19737 | 0.93894 |
| 4 | 2009 | 3 | Mar | 0.85892 | 1.19577 | 1.18647 | 1.08187 | 0.79496 | 0.90278 | 0.86670 | 0.82460 | 1.08351 | 1.10035 | 0.97458 | 0.89572 | 0.93223 | 1.08636 | 0.83056 | 0.75221 | 0.78201 | 1.08164 | 0.76314 |
| 5 | 2009 | 4 | Apr | 1.01298 | 1.26772 | 1.18466 | 1.09504 | 1.19750 | 0.88913 | 1.01737 | 0.89950 | 1.10027 | 1.15080 | 1.14996 | 1.08406 | 1.15797 | 1.09752 | 1.24315 | 0.92531 | 0.91178 | 1.05749 | 1.23450 |
| 6 | 2009 | 5 | May | 1.30254 | 1.49824 | 1.26803 | 1.21195 | 1.36139 | 1.40720 | 1.27420 | 1.15563 | 1.22189 | 1.45707 | 1.47441 | 1.24226 | 1.15196 | 1.38296 | 1.39843 | 1.20214 | 1.31615 | 1.26027 | 1.29231 |
| 7 | 2009 | 6 | Jun | 1.19862 | 1.33580 | 1.19121 | 1.08041 | 1.23926 | 1.35936 | 1.15445 | 1.37248 | 1.12438 | 1.31309 | 1.32684 | 1.14851 | 1.16882 | 1.26791 | 1.34466 | 1.30999 | 1.37563 | 1.14082 | 1.23412 |
| 8 | 2009 | 7 | Jul | 1.12344 | 0.86589 | 1.16914 | 1.05489 | 1.00684 | 1.29226 | 1.13159 | 1.31751 | 1.07184 | 0.96293 | 0.96371 | 0.98373 | 0.98068 | 1.00912 | 0.95387 | 1.08614 | 1.28529 | 0.93776 | 1.15737 |
| 9 | 2009 | 8 | Aug | 0.86449 | 0.71194 | 0.82800 | 0.74850 | 0.73943 | 0.84659 | 1.03528 | 0.99804 | 0.74028 | 0.72912 | 0.75870 | 0.77852 | 0.70422 | 0.79278 | 0.80043 | 0.81563 | 0.92914 | 0.79612 | 0.84991 |
| 10 | 2009 | 9 | Sep | 0.68336 | 0.62229 | 0.67007 | 0.59908 | 0.60490 | 0.71321 | 0.86372 | 0.72981 | 0.60734 | 0.66831 | 0.66208 | 0.88277 | 0.63475 | 0.63823 | 0.66274 | 0.68892 | 0.82312 | 0.64795 | 0.69495 |
| 11 | 2009 | 10 | Oct | 0.90235 | 0.80003 | 0.65652 | 0.74604 | 0.87865 | 0.72186 | 0.69562 | 0.82541 | 0.71065 | 0.80793 | 0.72462 | 0.67473 | 0.97660 | 0.72934 | 0.71114 | 0.80658 | 0.71743 | 0.73103 | 0.82535 |
| 12 | 2009 | 11 | Nov | 0.98557 | 0.87192 | 0.77535 | 0.90272 | 0.90281 | 0.79348 | 0.79189 | 1.02519 | 0.90720 | 0.83252 | 0.83419 | 0.84891 | 1.10560 | 0.84980 | 0.87373 | 0.96385 | 0.87186 | 0.80792 | 0.87843 |
| 13 | 2009 | 12 | Dec | 0.94235 | 0.96239 | 0.86237 | 1.13416 | 0.99873 | 0.87175 | 0.93175 | 1.04921 | 1.09209 | 1.01336 | 0.90891 | 1.04879 | 1.09566 | 0.87301 | 1.01311 | 1.13626 | 0.95527 | 1.11494 | 0.95156 |
| 14 | 2009 | 13 | Average | 0.50321 | 0.43839 | 0.48994 | 0.53423 | 0.48413 | 0.44178 | 0.50286 | 0.42971 | 0.53242 | 0.45290 | 0.44670 | 0.50375 | 0.49634 | 0.45248 | 0.43209 | 0.45452 | 0.44093 | 0.51761 | 0.43107 |
| 15 | 2010 | 1 | Jan | 1.21655 | 0.84629 | 1.08038 | 1.15459 | 1.25637 | 0.96603 | 1.05455 | 0.94013 | 1.18223 | 1.00874 | 1.00455 | 1.22022 | 1.11117 | 1.18592 | 1.09262 | 1.14977 | 1.00341 | 1.20279 | 1.17558 |
| 16 | 2010 | 2 | Feb | 0.89121 | 1.00264 | 1.10956 | 1.14002 | 0.99487 | 1.22004 | 1.16780 | 0.84855 | 1.12367 | 0.93595 | 1.19537 | 1.18421 | 0.96356 | 1.07374 | 1.05272 | 1.16101 | 1.01353 | 1.17403 | 0.93588 |
| 17 | 2010 | 3 | Mar | 0.85180 | 1.18355 | 1.17667 | 1.05846 | 0.78648 | 0.89610 | 0.86086 | 0.81822 | 1.06746 | 1.08925 | 0.96490 | 0.89291 | 0.92474 | 1.07999 | 0.82181 | 0.75151 | 0.77608 | 1.06055 | 0.76066 |
| 18 | 2010 | 4 | Apr | 1.00458 | 1.25477 | 1.17488 | 1.07134 | 1.18472 | 0.88255 | 1.01051 | 0.89254 | 1.08398 | 1.13919 | 1.13853 | 1.08067 | 1.14867 | 1.09108 | 1.23006 | 0.92444 | 0.90487 | 1.03687 | 1.23049 |
| 19 | 2010 | 5 | May | 1.29173 | 1.48294 | 1.25756 | 1.18573 | 1.34686 | 1.39678 | 1.26561 | 1.14669 | 1.20380 | 1.44237 | 1.45976 | 1.23837 | 1.14271 | 1.37486 | 1.38371 | 1.20101 | 1.30617 | 1.23570 | 1.28810 |
| 20 | 2010 | 6 | Jun | 1.18867 | 1.32215 | 1.18137 | 1.05703 | 1.22603 | 1.34930 | 1.14667 | 1.36186 | 1.10773 | 1.29985 | 1.31365 | 1.14491 | 1.15944 | 1.26048 | 1.33050 | 1.30876 | 1.36520 | 1.11858 | 1.23010 |
| 21 | 2010 | 7 | Jul | 1.11413 | 0.85705 | 1.15948 | 1.03206 | 0.99610 | 1.28269 | 1.12397 | 1.30732 | 1.05596 | 0.95321 | 0.95413 | 0.98064 | 0.97281 | 1.00321 | 0.94383 | 1.08512 | 1.27555 | 0.91948 | 1.15361 |
| 22 | 2010 | 8 | Aug | 0.85732 | 0.70467 | 0.82116 | 0.73230 | 0.73154 | 0.84032 | 1.02830 | 0.99032 | 0.72932 | 0.72176 | 0.75116 | 0.77609 | 0.69857 | 0.78813 | 0.79200 | 0.81486 | 0.92210 | 0.78060 | 0.84715 |
| 23 | 2010 | 9 | Sep | 0.67769 | 0.61594 | 0.66454 | 0.58612 | 0.59844 | 0.70792 | 0.85790 | 0.72417 | 0.59835 | 0.66157 | 0.65551 | 0.88001 | 0.62965 | 0.63449 | 0.65576 | 0.68828 | 0.81688 | 0.63532 | 0.69269 |
| 24 | 2010 | 10 | Oct | 0.89478 | 0.79331 | 0.65239 | 0.73111 | 0.87001 | 0.71773 | 0.69222 | 0.82053 | 0.70135 | 0.80120 | 0.71882 | 0.67391 | 0.96831 | 0.72650 | 0.70511 | 0.80726 | 0.71341 | 0.71799 | 0.82409 |
| 25 | 2010 | 11 | Nov | 0.97884 | 0.86450 | 0.77026 | 0.88446 | 0.89458 | 0.78902 | 0.78789 | 1.01889 | 0.89508 | 0.82555 | 0.82740 | 0.84759 | 1.09634 | 0.84627 | 0.86606 | 0.96445 | 0.86674 | 0.79348 | 0.87711 |
| 26 | 2010 | 12 | Dec | 0.93511 | 0.95314 | 0.85575 | 1.10908 | 0.98868 | 0.86585 | 0.92603 | 1.04178 | 1.07533 | 1.00372 | 0.90040 | 1.04550 | 1.08692 | 0.86847 | 1.00306 | 1.13519 | 0.94865 | 1.09321 | 0.94908 |
| 27 | 2010 | 13 | Average | 0.50742 | 0.44291 | 0.49402 | 0.54605 | 0.48936 | 0.44508 | 0.50627 | 0.43306 | 0.54042 | 0.45752 | 0.45118 | 0.50533 | 0.50036 | 0.45515 | 0.43669 | 0.45495 | 0.44430 | 0.52790 | 0.43247 |
| 28 | 2011 | 1 | Jan | 1.24909 | 0.84740 | 1.08282 | 1.20793 | 1.25464 | 0.96539 | 1.05407 | 0.93962 | 1.24264 | 1.01088 | 1.00691 | 1.28990 | 1.11324 | 1.18890 | 1.09662 | 1.14812 | 1.00277 | 1.27056 | 1.17429 |
| 29 | 2011 | 2 | Feb | 0.82663 | 1.00400 | 1.11078 | 1.18125 | 0.99387 | 1.21802 | 1.16613 | 0.84815 | 1.08428 | 0.93845 | 1.19685 | 1.18484 | 0.96587 | 1.07486 | 1.05659 | 1.15771 | 1.01354 | 1.22856 | 0.93518 |
| 30 | 2011 | 3 | Mar | 0.84955 | 1.18303 | 1.21182 | 1.07437 | 0.78607 | 0.89558 | 0.86090 | 0.81789 | 1.06558 | 1.09145 | 0.96716 | 0.82051 | 0.92692 | 1.08322 | 0.82481 | 0.75077 | 0.77557 | 1.06316 | 0.75973 |
| 31 | 2011 | 4 | Apr | 1.00861 | 1.30724 | 1.17165 | 1.14070 | 1.22190 | 0.88237 | 1.01088 | 0.89210 | 1.12645 | 1.14196 | 1.14166 | 1.07975 | 1.18912 | 1.09454 | 1.28663 | 0.92356 | 0.90422 | 1.08308 | 1.25506 |
| 32 | 2011 | 5 | May | 1.33044 | 1.51753 | 1.26124 | 1.20973 | 1.38947 | 1.39704 | 1.27024 | 1.14677 | 1.24265 | 1.49220 | 1.51085 | 1.23561 | 1.14650 | 1.37923 | 1.39009 | 1.20079 | 1.30662 | 1.26388 | 1.28806 |
| 33 | 2011 | 6 | Jun | 1.24171 | 1.35593 | 1.24337 | 1.05169 | 1.26298 | 1.41323 | 1.20394 | 1.42776 | 1.16106 | 1.36680 | 1.38025 | 1.20762 | 1.21560 | 1.32746 | 1.39939 | 1.31095 | 1.42879 | 1.17101 | 1.22980 |
| 34 | 2011 | 7 | Jul | 1.12545 | 0.85913 | 1.17231 | 1.03907 | 0.99620 | 1.29812 | 1.13815 | 1.32317 | 1.06858 | 0.95621 | 0.95728 | 0.98552 | 0.97612 | 1.00724 | 0.94826 | 1.08508 | 1.29073 | 0.92390 | 1.15348 |
| 35 | 2011 | 8 | Aug | 0.85578 | 0.70623 | 0.82410 | 0.72867 | 0.73168 | 0.84066 | 1.02923 | 0.99058 | 0.72949 | 0.72398 | 0.75359 | 0.78003 | 0.70077 | 0.79121 | 0.79540 | 0.81473 | 0.92230 | 0.78415 | 0.84701 |
| 36 | 2011 | 9 | Sep | 0.67621 | 0.61709 | 0.66673 | 0.58304 | 0.59838 | 0.70789 | 0.85716 | 0.72404 | 0.59826 | 0.66326 | 0.65730 | 0.88256 | 0.63139 | 0.63670 | 0.65845 | 0.68795 | 0.81669 | 0.63796 | 0.69250 |
| 37 | 2011 | 10 | Oct | 0.89317 | 0.79601 | 0.65562 | 0.72819 | 0.87043 | 0.71892 | 0.69372 | 0.82180 | 0.70237 | 0.80450 | 0.72202 | 0.67804 | 0.97142 | 0.73029 | 0.70919 | 0.80811 | 0.71449 | 0.72237 | 0.82519 |
| 38 | 2011 | 11 | Nov | 0.97835 | 0.86734 | 0.77388 | 0.88093 | 0.89563 | 0.79039 | 0.78954 | 1.02049 | 0.89636 | 0.82888 | 0.83115 | 0.85262 | 1.10066 | 0.85046 | 0.87101 | 0.96539 | 0.86788 | 0.79811 | 0.87795 |
| 39 | 2011 | 12 | Dec | 0.93463 | 0.95625 | 0.85976 | 1.10415 | 0.98986 | 0.86711 | 0.92793 | 1.04343 | 1.07633 | 1.00771 | 0.90412 | 1.05114 | 1.09118 | 0.87285 | 1.00869 | 1.13566 | 0.94999 | 1.09889 | 0.94997 |
| 40 | 2011 | 13 | Average | 0.50896 | 0.44251 | 0.49284 | 0.54953 | 0.48997 | 0.44550 | 0.50644 | 0.43347 | 0.54096 | 0.45676 | 0.45031 | 0.50355 | 0.49939 | 0.45398 | 0.43528 | 0.45562 | 0.44476 | 0.52617 | 0.43315 |

TABLE 9

PNW Hydro Generation Ratios

Time series is 1929 - 1998. Time series continues through page 12.

| | A | B | C | AP | AQ | AR | AS | AT | AU | AV | AW | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH |
|----|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | CY | MonthID | Month | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 |
| 2 | 2009 | 1 | Jan | 1.31338 | 1.22236 | 1.23512 | 1.00072 | 1.24565 | 1.22210 | 1.20350 | 1.24257 | 1.11386 | 1.12981 | 1.05720 | 1.04668 | 0.95653 | 0.84050 | 1.28818 | 1.11399 | 1.22620 | 1.27648 | 1.08885 |
| 3 | 2009 | 2 | Feb | 1.28679 | 1.16703 | 1.20037 | 1.19361 | 1.19699 | 1.18945 | 0.98313 | 1.20577 | 1.00998 | 1.09220 | 1.05199 | 0.97159 | 1.09961 | 1.01272 | 1.11660 | 1.22383 | 0.99548 | 0.98970 | 0.85577 |
| 4 | 2009 | 3 | Mar | 0.96298 | 1.01289 | 0.92015 | 0.99301 | 1.13243 | 1.12473 | 0.91801 | 1.13564 | 1.04567 | 0.93158 | 0.98766 | 0.95220 | 1.19867 | 0.84361 | 0.94246 | 1.14185 | 1.15279 | 1.16439 | 1.03856 |
| 5 | 2009 | 4 | Apr | 0.85334 | 0.78422 | 1.15435 | 0.96744 | 1.13808 | 1.10738 | 0.86527 | 1.12703 | 0.88354 | 1.04342 | 0.89032 | 1.19879 | 1.01545 | 1.12622 | 0.81167 | 1.08350 | 1.06537 | 1.16208 | 1.29416 |
| 6 | 2009 | 5 | May | 1.22005 | 1.08080 | 1.30387 | 1.30780 | 1.26900 | 1.23349 | 1.23875 | 1.24318 | 1.39689 | 1.16538 | 0.97091 | 1.38139 | 1.46540 | 1.56931 | 1.11267 | 1.27932 | 1.20973 | 1.08360 | 1.47545 |
| 7 | 2009 | 6 | Jun | 1.27479 | 1.26839 | 1.16606 | 1.40951 | 1.17166 | 1.14703 | 1.09066 | 1.15725 | 1.31506 | 1.06730 | 0.90560 | 1.20869 | 1.08659 | 1.42654 | 1.23412 | 1.16271 | 1.15901 | 1.19572 | 1.17694 |
| 8 | 2009 | 7 | Jul | 1.20126 | 1.18673 | 1.05493 | 1.06993 | 1.13943 | 1.08699 | 1.03065 | 1.11160 | 1.27220 | 1.01167 | 0.99653 | 1.13373 | 0.94040 | 1.01999 | 1.17949 | 1.08890 | 1.13581 | 1.12479 | 0.86096 |
| 9 | 2009 | 8 | Aug | 0.82919 | 0.87883 | 0.66395 | 0.76579 | 0.85917 | 0.93512 | 0.75834 | 0.84491 | 0.83358 | 0.97897 | 0.97845 | 0.80801 | 0.71772 | 0.76887 | 0.93938 | 0.83491 | 0.84645 | 0.74214 | 0.65909 |
| 10 | 2009 | 9 | Sep | 0.67680 | 0.87133 | 0.60639 | 0.67032 | 0.65799 | 0.67640 | 0.74500 | 0.63742 | 0.75577 | 0.85776 | 0.89523 | 0.89972 | 0.70053 | 0.74757 | 0.67376 | 0.75906 | 0.69003 | 0.66288 | 0.71756 |
| 11 | 2009 | 10 | Oct | 0.67622 | 0.76213 | 0.78035 | 0.81578 | 0.62424 | 0.68952 | 0.92153 | 0.60925 | 0.68209 | 0.71510 | 1.01980 | 0.58876 | 0.87796 | 0.74666 | 0.67582 | 0.66770 | 0.77192 | 0.68872 | 0.82245 |
| 12 | 2009 | 11 | Nov | 0.77571 | 0.83283 | 0.95163 | 0.90130 | 0.73041 | 0.75573 | 1.00761 | 0.67774 | 0.81480 | 0.87721 | 1.10205 | 0.75894 | 0.95216 | 0.86934 | 0.82718 | 0.78760 | 0.82020 | 1.02666 | 1.01650 |
| 13 | 2009 | 12 | Dec | 0.92949 | 0.93245 | 0.96282 | 0.90481 | 0.83494 | 0.83206 | 1.23754 | 1.00765 | 0.87656 | 1.12960 | 1.14425 | 1.05150 | 0.98898 | 1.02868 | 1.19867 | 0.85664 | 0.92701 | 0.88284 | 0.99371 |
| 14 | 2009 | 13 | Average | 0.47082 | 0.46028 | 0.50644 | 0.42695 | 0.51452 | 0.52638 | 0.38080 | 0.51835 | 0.45841 | 0.56066 | 0.33996 | 0.44156 | 0.39792 | 0.41706 | 0.47494 | 0.50938 | 0.50870 | 0.50378 | 0.41984 |
| 15 | 2010 | 1 | Jan | 1.30942 | 1.21729 | 1.22042 | 0.99439 | 1.22776 | 1.19517 | 1.20217 | 1.20263 | 1.10578 | 1.11254 | 1.05609 | 1.04610 | 0.95553 | 0.83722 | 1.28489 | 1.09512 | 1.21509 | 1.27177 | 1.08780 |
| 16 | 2010 | 2 | Feb | 1.28290 | 1.16218 | 1.18608 | 1.18606 | 1.17980 | 1.16324 | 0.98205 | 1.16701 | 1.00266 | 1.07550 | 1.05089 | 0.97105 | 1.09846 | 1.00877 | 1.11375 | 1.20310 | 0.98646 | 0.98605 | 0.85494 |
| 17 | 2010 | 3 | Mar | 0.96007 | 1.00868 | 0.90920 | 0.98672 | 1.11616 | 1.09994 | 0.91699 | 1.09914 | 1.03809 | 0.91734 | 0.98663 | 0.95167 | 1.19741 | 0.84031 | 0.94006 | 1.12250 | 1.14234 | 1.16009 | 1.03755 |
| 18 | 2010 | 4 | Apr | 0.85076 | 0.78096 | 1.14061 | 0.96132 | 1.12174 | 1.08298 | 0.86432 | 1.09081 | 0.87714 | 1.02747 | 0.88939 | 1.19813 | 1.01438 | 1.12183 | 0.80960 | 1.06514 | 1.05572 | 1.15779 | 1.29290 |
| 19 | 2010 | 5 | May | 1.21636 | 1.07631 | 1.28835 | 1.29953 | 1.25077 | 1.20630 | 1.23738 | 1.20322 | 1.38676 | 1.14756 | 0.96989 | 1.38063 | 1.46387 | 1.56318 | 1.10983 | 1.25765 | 1.19877 | 1.07960 | 1.47402 |
| 20 | 2010 | 6 | Jun | 1.27094 | 1.26312 | 1.15219 | 1.40059 | 1.15483 | 1.12175 | 1.08946 | 1.12005 | 1.30552 | 1.05099 | 0.90465 | 1.20802 | 1.08546 | 1.42097 | 1.23097 | 1.14301 | 1.14851 | 1.19130 | 1.17580 |
| 21 | 2010 | 7 | Jul | 1.19763 | 1.18180 | 1.04238 | 1.06316 | 1.12307 | 1.06304 | 1.02951 | 1.07587 | 1.26297 | 0.99621 | 0.99549 | 1.13310 | 0.93942 | 1.01601 | 1.17648 | 1.07045 | 1.12552 | 1.12064 | 0.86013 |
| 22 | 2010 | 8 | Aug | 0.82668 | 0.87518 | 0.65605 | 0.76094 | 0.84683 | 0.91451 | 0.75750 | 0.81776 | 0.82753 | 0.96401 | 0.97743 | 0.80757 | 0.71697 | 0.76586 | 0.93698 | 0.82077 | 0.83878 | 0.73940 | 0.65845 |
| 23 | 2010 | 9 | Sep | 0.67476 | 0.86771 | 0.59918 | 0.66607 | 0.64854 | 0.66149 | 0.74418 | 0.61693 | 0.75029 | 0.84464 | 0.89430 | 0.89922 | 0.69980 | 0.74465 | 0.67205 | 0.74620 | 0.68378 | 0.66044 | 0.71686 |
| 24 | 2010 | 10 | Oct | 0.67554 | 0.76037 | 0.77239 | 0.81214 | 0.61649 | 0.67552 | 0.92220 | 0.59086 | 0.67833 | 0.70534 | 1.02058 | 0.58981 | 0.87873 | 0.74532 | 0.67516 | 0.65764 | 0.76621 | 0.68744 | 0.82314 |
| 25 | 2010 | 11 | Nov | 0.77476 | 0.83079 | 0.94171 | 0.89718 | 0.72119 | 0.74029 | 1.00822 | 0.65709 | 0.81034 | 0.86506 | 1.10286 | 0.75996 | 0.95287 | 0.86757 | 0.82649 | 0.77558 | 0.81409 | 1.02308 | 1.01709 |
| 26 | 2010 | 12 | Dec | 0.92725 | 0.92915 | 0.95197 | 0.89967 | 0.82343 | 0.81423 | 1.23691 | 0.97525 | 0.87072 | 1.14479 | 1.14377 | 1.05066 | 0.98858 | 1.02533 | 1.19568 | 0.84264 | 0.91915 | 0.88010 | 0.99336 |
| 27 | 2010 | 13 | Average | 0.47225 | 0.46220 | 0.51254 | 0.42967 | 0.52202 | 0.53824 | 0.38122 | 0.53556 | 0.46176 | 0.56936 | 0.34032 | 0.44180 | 0.39834 | 0.41869 | 0.47615 | 0.51815 | 0.51335 | 0.50565 | 0.42025 |
| 28 | 2011 | 1 | Jan | 1.37388 | 1.21824 | 1.28459 | 0.99742 | 1.26530 | 1.21716 | 1.20100 | 1.25873 | 1.10456 | 1.17058 | 1.05518 | 1.04508 | 0.95454 | 0.83928 | 1.35917 | 1.09896 | 1.20862 | 1.34002 | 1.08705 |
| 29 | 2011 | 2 | Feb | 1.27517 | 1.16171 | 1.13395 | 1.18828 | 1.22803 | 1.16479 | 0.98195 | 1.21089 | 1.00274 | 1.09909 | 1.05008 | 0.97010 | 1.09741 | 1.00511 | 1.00225 | 1.25828 | 0.98064 | 0.90548 | 0.85451 |
| 30 | 2011 | 3 | Mar | 0.87228 | 1.01007 | 0.88076 | 0.98988 | 1.08591 | 1.17830 | 0.91616 | 1.17862 | 1.03754 | 0.85096 | 0.98595 | 0.95075 | 1.19620 | 0.83971 | 0.94391 | 1.21422 | 1.22428 | 1.17331 | 1.03668 |
| 31 | 2011 | 4 | Apr | 0.84357 | 0.78232 | 1.22200 | 0.96486 | 1.11326 | 1.11386 | 0.86364 | 1.16405 | 0.87716 | 1.06098 | 0.88889 | 1.19583 | 1.01371 | 1.12179 | 0.80713 | 1.05101 | 1.05032 | 1.14733 | 1.29075 |
| 32 | 2011 | 5 | May | 1.21913 | 1.07861 | 1.33040 | 1.30491 | 1.28962 | 1.24149 | 1.23718 | 1.23879 | 1.38662 | 1.18534 | 0.96941 | 1.37939 | 1.46320 | 1.59768 | 1.11337 | 1.28493 | 1.19368 | 1.08332 | 1.47397 |
| 33 | 2011 | 6 | Jun | 1.33402 | 1.30673 | 1.18063 | 1.47166 | 1.20816 | 1.17103 | 1.08951 | 1.17025 | 1.36736 | 1.09634 | 0.90459 | 1.20810 | 1.08519 | 1.42120 | 1.29699 | 1.20246 | 1.14396 | 1.25080 | 1.17564 |
| 34 | 2011 | 7 | Jul | 1.21560 | 1.18450 | 1.04371 | 1.06761 | 1.13488 | 1.07245 | 1.02971 | 1.08522 | 1.27773 | 1.00880 | 0.99594 | 1.13323 | 0.93951 | 1.01640 | 1.19650 | 1.07570 | 1.13413 | 1.12450 | 0.86034 |
| 35 | 2011 | 8 | Aug | 0.82928 | 0.87711 | 0.65678 | 0.76408 | 0.84621 | 0.91204 | 0.75767 | 0.81541 | 0.82790 | 0.96593 | 0.97736 | 0.80756 | 0.71708 | 0.76605 | 0.94167 | 0.82473 | 0.83563 | 0.74199 | 0.65857 |
| 36 | 2011 | 9 | Sep | 0.67657 | 0.86856 | 0.59965 | 0.66859 | 0.64789 | 0.65951 | 0.74404 | 0.61495 | 0.75038 | 0.84417 | 0.89402 | 0.89742 | 0.69964 | 0.74452 | 0.67516 | 0.74871 | 0.68102 | 0.66255 | 0.71667 |
| 37 | 2011 | 10 | Oct | 0.67855 | 0.76293 | 0.77434 | 0.81653 | 0.61687 | 0.67450 | 0.92326 | 0.59000 | 0.67942 | 0.70693 | 1.02192 | 0.59057 | 0.87987 | 0.74660 | 0.67943 | 0.66171 | 0.76434 | 0.69085 | 0.82421 |
| 38 | 2011 | 11 | Nov | 0.77806 | 0.83355 | 0.94389 | 0.90203 | 0.72151 | 0.73900 | 1.00929 | 0.65581 | 0.81165 | 0.86698 | 1.10423 | 0.76079 | 0.95396 | 0.86900 | 0.83157 | 0.78035 | 0.81194 | 1.02785 | 1.01809 |
| 39 | 2011 | 12 | Dec | 0.93110 | 0.93220 | 0.95419 | 0.90436 | 0.82363 | 0.81289 | 1.23816 | 0.97311 | 0.87187 | 1.14927 | 1.14493 | 1.05097 | 0.98946 | 1.02674 | 1.20233 | 0.84767 | 0.91662 | 0.88404 | 0.99445 |
| 40 | 2011 | 13 | Average | 0.47141 | 0.46180 | 0.51262 | 0.42847 | 0.52306 | 0.54042 | 0.38173 | 0.53776 | 0.46217 | 0.56952 | 0.34076 | 0.44236 | 0.39892 | 0.41914 | 0.47445 | 0.51630 | 0.51597 | 0.50458 | 0.42081 |

TABLE 9

PNW Hydro Generation Ratios

Time series is 1929 - 1998. Time series continues through page 12.

| | A | B | C | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU |
|----|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | CY | MonthID | Month | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| 2 | 2009 | 1 | Jan | 1.17771 | 0.95937 | 0.96737 | 0.88593 | 1.27785 | 1.23790 | 1.06738 | 0.94932 | 0.99030 | 0.96865 | 1.17075 | 1.22062 | 1.17561 |
| 3 | 2009 | 2 | Feb | 1.17885 | 1.01778 | 0.95353 | 0.94623 | 1.07273 | 1.22653 | 0.97361 | 0.93917 | 1.06629 | 1.19506 | 1.15117 | 1.18913 | 1.08069 |
| 4 | 2009 | 3 | Mar | 1.26296 | 1.01909 | 0.93360 | 1.04065 | 0.92472 | 0.84705 | 1.24367 | 0.95150 | 0.94232 | 1.19945 | 1.07048 | 1.11883 | 0.97501 |
| 5 | 2009 | 4 | Apr | 1.23176 | 1.09757 | 1.04563 | 1.38921 | 1.19564 | 1.00566 | 1.05135 | 1.02137 | 1.12115 | 1.03806 | 1.08452 | 1.10635 | 0.94806 |
| 6 | 2009 | 5 | May | 1.12984 | 1.28609 | 1.31183 | 1.45742 | 1.22457 | 1.26432 | 1.19578 | 1.48633 | 1.25342 | 1.28064 | 1.20703 | 1.24143 | 1.21100 |
| 7 | 2009 | 6 | Jun | 1.19553 | 1.24012 | 0.97676 | 1.23334 | 1.25628 | 1.16081 | 1.03925 | 1.14099 | 1.10188 | 1.27597 | 1.09011 | 1.14064 | 1.27015 |
| 8 | 2009 | 7 | Jul | 0.97103 | 0.97950 | 1.14621 | 0.98381 | 1.02216 | 1.14464 | 1.01492 | 1.12952 | 1.05821 | 1.11640 | 1.04758 | 1.09854 | 1.04540 |
| 9 | 2009 | 8 | Aug | 0.72847 | 0.74856 | 0.95347 | 0.72519 | 0.82064 | 0.85862 | 0.77607 | 0.91717 | 0.78906 | 0.79911 | 0.73685 | 0.80402 | 0.74023 |
| 10 | 2009 | 9 | Sep | 0.62671 | 0.71025 | 0.82425 | 0.72090 | 0.61811 | 0.62081 | 0.73072 | 0.71737 | 0.73823 | 0.70015 | 0.59800 | 0.76438 | 0.65213 |
| 11 | 2009 | 10 | Oct | 0.74011 | 0.81230 | 0.84856 | 0.71797 | 0.67933 | 0.62487 | 0.85076 | 0.79501 | 0.82542 | 0.67823 | 0.66652 | 0.65567 | 1.03189 |
| 12 | 2009 | 11 | Nov | 0.96490 | 1.06542 | 0.99627 | 0.88544 | 0.84529 | 1.00594 | 1.01699 | 0.93019 | 1.02814 | 0.80028 | 1.02042 | 0.74179 | 0.96192 |
| 13 | 2009 | 12 | Dec | 0.79214 | 1.06395 | 1.04252 | 1.01390 | 1.06267 | 1.00286 | 1.03950 | 1.02207 | 1.08557 | 0.94801 | 1.15658 | 0.91860 | 0.90789 |
| 14 | 2009 | 13 | Average | 0.46422 | 0.38825 | 0.34992 | 0.40186 | 0.45868 | 0.48891 | 0.35866 | 0.37638 | 0.36545 | 0.43399 | 0.54300 | 0.52704 | 0.47099 |
| 15 | 2010 | 1 | Jan | 1.16522 | 0.95838 | 0.96645 | 0.88456 | 1.26494 | 1.23869 | 1.06643 | 0.94833 | 0.98929 | 0.96804 | 1.13483 | 1.18507 | 1.16890 |
| 16 | 2010 | 2 | Feb | 1.16634 | 1.01673 | 0.95263 | 0.94477 | 1.06189 | 1.22731 | 0.97275 | 0.93819 | 1.06520 | 1.19431 | 1.11584 | 1.15449 | 1.07453 |
| 17 | 2010 | 3 | Mar | 1.24956 | 1.01804 | 0.93271 | 1.03904 | 0.91538 | 0.84759 | 1.24256 | 0.95051 | 0.94136 | 1.19870 | 1.03763 | 1.08624 | 0.96945 |
| 18 | 2010 | 4 | Apr | 1.21870 | 1.09644 | 1.04464 | 1.38705 | 1.18356 | 1.00630 | 1.05041 | 1.02030 | 1.12000 | 1.03741 | 1.05125 | 1.07413 | 0.94265 |
| 19 | 2010 | 5 | May | 1.11785 | 1.28476 | 1.31059 | 1.45516 | 1.21220 | 1.26513 | 1.19471 | 1.48477 | 1.25214 | 1.27984 | 1.16999 | 1.20527 | 1.20409 |
| 20 | 2010 | 6 | Jun | 1.18284 | 1.23884 | 0.97584 | 1.23143 | 1.24358 | 1.16155 | 1.03833 | 1.13980 | 1.10076 | 1.27517 | 1.05667 | 1.10742 | 1.26291 |
| 21 | 2010 | 7 | Jul | 0.96073 | 0.97849 | 1.14513 | 0.98228 | 1.01183 | 1.14537 | 1.01402 | 1.12834 | 1.05713 | 1.11570 | 1.01543 | 1.06655 | 1.03944 |
| 22 | 2010 | 8 | Aug | 0.72074 | 0.74779 | 0.95257 | 0.72406 | 0.81235 | 0.85917 | 0.77538 | 0.91621 | 0.78826 | 0.79860 | 0.71424 | 0.78061 | 0.73601 |
| 23 | 2010 | 9 | Sep | 0.62006 | 0.70952 | 0.82347 | 0.71979 | 0.61186 | 0.62121 | 0.73007 | 0.71662 | 0.73747 | 0.69971 | 0.57966 | 0.74212 | 0.64841 |
| 24 | 2010 | 10 | Oct | 0.73363 | 0.81307 | 0.84906 | 0.71845 | 0.67385 | 0.62656 | 0.85149 | 0.79582 | 0.82579 | 0.67906 | 0.64725 | 0.63776 | 1.02525 |
| 25 | 2010 | 11 | Nov | 0.95617 | 1.06605 | 0.99729 | 0.88567 | 0.83819 | 1.00806 | 1.01744 | 0.93101 | 1.02897 | 0.80121 | 0.98930 | 0.72139 | 0.95791 |
| 26 | 2010 | 12 | Dec | 0.78427 | 1.06349 | 1.04217 | 1.01299 | 1.05259 | 1.00414 | 1.03916 | 1.02168 | 1.08522 | 0.94801 | 1.15364 | 0.89236 | 0.90328 |
| 27 | 2010 | 13 | Average | 0.46919 | 0.38865 | 0.35025 | 0.40249 | 0.46336 | 0.48860 | 0.35898 | 0.37678 | 0.36582 | 0.43426 | 0.56018 | 0.54285 | 0.47369 |
| 28 | 2011 | 1 | Jan | 1.16161 | 0.95734 | 0.96552 | 0.88369 | 1.26884 | 1.26210 | 1.06540 | 0.94754 | 0.98827 | 0.96703 | 1.18759 | 1.24011 | 1.17202 |
| 29 | 2011 | 2 | Feb | 1.16033 | 1.01572 | 0.95178 | 0.94396 | 1.06569 | 1.21760 | 0.97181 | 0.93745 | 1.06424 | 1.19113 | 1.15640 | 1.19775 | 1.07759 |
| 30 | 2011 | 3 | Mar | 1.34128 | 1.01706 | 0.93181 | 1.03818 | 0.91854 | 0.78981 | 1.24147 | 0.94958 | 0.94039 | 1.19541 | 1.11123 | 1.16349 | 0.97229 |
| 31 | 2011 | 4 | Apr | 1.24005 | 1.09586 | 1.04373 | 1.39227 | 1.23747 | 1.00065 | 1.04957 | 1.01955 | 1.11906 | 1.03648 | 1.09592 | 1.11332 | 0.94607 |
| 32 | 2011 | 5 | May | 1.11606 | 1.28422 | 1.30992 | 1.45500 | 1.21745 | 1.26012 | 1.19396 | 1.48454 | 1.25191 | 1.27976 | 1.19247 | 1.23907 | 1.20807 |
| 33 | 2011 | 6 | Jun | 1.18076 | 1.23884 | 0.97579 | 1.23146 | 1.30986 | 1.15747 | 1.03844 | 1.13967 | 1.10073 | 1.27486 | 1.10161 | 1.15537 | 1.32759 |
| 34 | 2011 | 7 | Jul | 0.95929 | 0.97849 | 1.14517 | 0.98246 | 1.01638 | 1.15477 | 1.01410 | 1.12848 | 1.05729 | 1.11567 | 1.02264 | 1.07470 | 1.04370 |
| 35 | 2011 | 8 | Aug | 0.71957 | 0.74775 | 0.95234 | 0.72409 | 0.81594 | 0.85609 | 0.77522 | 0.91633 | 0.78826 | 0.79850 | 0.71101 | 0.77772 | 0.73891 |
| 36 | 2011 | 9 | Sep | 0.61876 | 0.70919 | 0.82312 | 0.71954 | 0.61438 | 0.61883 | 0.72976 | 0.71649 | 0.73717 | 0.69940 | 0.57680 | 0.73837 | 0.65071 |
| 37 | 2011 | 10 | Oct | 0.73332 | 0.81395 | 0.85031 | 0.71948 | 0.67774 | 0.62520 | 0.85265 | 0.79707 | 0.82687 | 0.68003 | 0.64513 | 0.63621 | 1.02928 |
| 38 | 2011 | 11 | Nov | 0.95576 | 1.06705 | 0.99880 | 0.88665 | 0.84282 | 1.00583 | 1.01855 | 0.93238 | 1.03035 | 0.80219 | 0.98541 | 0.71948 | 0.96279 |
| 39 | 2011 | 12 | Dec | 0.78390 | 1.06441 | 1.04314 | 1.01412 | 1.05848 | 1.00201 | 1.04003 | 1.02283 | 1.08654 | 0.94887 | 1.16308 | 0.88949 | 0.90780 |
| 40 | 2011 | 13 | Average | 0.47059 | 0.38921 | 0.35072 | 0.40301 | 0.46193 | 0.49089 | 0.35947 | 0.37726 | 0.36633 | 0.43487 | 0.56350 | 0.54557 | 0.47248 |

TABLE 10
Hydro Vectors

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|-------|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|
| 1 | Index | Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 2 | 1 | Area Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 3 | 2 | Shape | yr_hydro_vector_30 | yr_hydro_vector_30 | yr_hydro_vector_30 | yr_hydro_vector_30 | yr_hydro_vector_30 | yr_hydro_vector_30 | yr_hydro_vector_30 | yr_hydro_vector_40 | yr_hydro_vector_05 | yr_hydro_vector_05 | yr_hydro_vector_05 |
| 4 | 3 | Maximum | yr_hydro_max_NW | yr_hydro_max_NW | yr_hydro_max_NW | yr_hydro_max_NW | yr_hydro_max_NW | yr_hydro_max_NW | yr_hydro_max_NW | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max |
| 5 | 4 | Minimum | yr_hydro_min_NW | yr_hydro_min_NW | yr_hydro_min_NW | yr_hydro_min_NW | yr_hydro_min_NW | yr_hydro_min_NW | yr_hydro_min_NW | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min |
| 6 | 5 | Sus Number | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs_NW | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs |
| 7 | 6 | Sus Maximum | yr_hydro_sus_max_NW | yr_hydro_sus_max_NW | yr_hydro_sus_max_NW | yr_hydro_sus_max_NW | yr_hydro_sus_max_NW | yr_hydro_sus_max_NW | yr_hydro_sus_max_NW | yr_hydro_sus_max_NW | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max |

TABLE 10
Hydro Vectors

| | A | B | N | O | P | Q | R | S | T | U | V | W | X | Y |
|---|-------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1 | Index | Name | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 2 | 1 | Area Number | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 3 | 2 | Shape | yr_hydro_vector_40 | yr_hydro_vector_05 | yr_hydro_vector_40 | yr_hydro_vector_40 | yr_hydro_vector_95 | yr_hydro_vector_95 | yr_hydro_vector_95 | yr_hydro_vector_95 | yr_hydro_vector_95 | yr_hydro_vector_95 | yr_hydro_vector_40 | yr_hydro_vector_40 |
| 4 | 3 | Maximum | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max | yr_hydro_max |
| 5 | 4 | Minimum | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min | yr_hydro_ins_min |
| 6 | 5 | Sus Number | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs | yr_hydro_sus_hrs |
| 7 | 6 | Sus Maximum | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max | yr_hydro_sus_max |

TABLE 11
Link

| | A | B | C | D | E | F | G | H | I |
|----|----------------------|-----------|---------|---------------|-----------------------------------|----------------------|----------------------|--------------------|----------------------|
| 1 | ID | Area From | Area To | Capacity (MW) | Losses (Fraction of Losses) | Wheeling (\$/MWh) | Area From Descrip | Area To Descrip | REM Special Issue |
| 2 | 009-013=WY_fr_UT | 13 | 9 | 420 | 0.051 | 1.15 | UT | WY | internal |
| 3 | 009-013=WY_to_UT | 9 | 13 | 400 | 0.051 | 1.15 | WY | UT | internal |
| 4 | 022-023=BC_fr_AB | 23 | 22 | 1,000 | 0.065 | 1.13 | AB | BC | Path 1 |
| 5 | 022-023=BC_to_AB | 22 | 23 | 1,200 | 0.065 | 1.13 | BC | AB | Path 1 |
| 6 | 004-006=E-OR_fr_S-ID | 6 | 4 | 1,798 | 0.066 | 1.70 | S-ID | E-OR | Path 14a |
| 7 | 004-006=E-OR_to_S-ID | 4 | 6 | 900 | 0.044 | 1.13 | E-OR | S-ID | Path 14a |
| 8 | 005-006=E-WA_fr_S-ID | 6 | 5 | 301 | 0.000 | 0.00 | S-ID | E-WA | Path 14b |
| 9 | 005-006=E-WA_to_S-ID | 5 | 6 | 150 | 0.000 | 0.00 | E-WA | S-ID | Path 14b |
| 10 | 003-006=C-WA_fr_S-ID | 6 | 3 | 301 | 0.044 | 1.13 | S-ID | C-WA | Path 14c |
| 11 | 003-006=C-WA_to_S-ID | 3 | 6 | 150 | 0.044 | 1.13 | C-WA | S-ID | Path 14c |
| 12 | 016-017=N-CA_fr_M-CA | 17 | 16 | 2,700 | 0.010 | 1.13 | M-CA | N-CA | Path 15 |
| 13 | 016-017=N-CA_to_M-CA | 16 | 17 | 1,275 | 0.010 | 1.13 | N-CA | M-CA | Path 15 |
| 14 | 006-014=S-ID_fr_N-NV | 14 | 6 | 360 | 0.066 | 1.70 | N-NV | S-ID | Path 16 |
| 15 | 006-014=S-ID_to_N-NV | 6 | 14 | 500 | 0.066 | 1.70 | S-ID | N-NV | Path 16 |
| 16 | 006-007=S-ID_fr_E-ID | 7 | 6 | 2,307 | 0.000 | 0.00 | E-ID | S-ID | Path 17 |
| 17 | 006-007=S-ID_to_E-ID | 6 | 7 | 1,000 | 0.000 | 0.00 | S-ID | E-ID | Path 17 |
| 18 | 007-008=E-ID_fr_MT | 8 | 7 | 337 | 0.033 | 3.79 | MT | E-ID | Path 18 |
| 19 | 007-008=E-ID_to_MT | 7 | 8 | 337 | 0.033 | 3.79 | E-ID | MT | Path 18 |
| 20 | 007-009=E-ID_fr_WY | 9 | 7 | 2,200 | 0.066 | 1.70 | WY | E-ID | Path 19 |
| 21 | 007-009=E-ID_to_WY | 7 | 9 | 50 | 0.066 | 1.70 | E-ID | WY | Path 19 |
| 22 | 007-013=E-ID_fr_UT | 13 | 7 | 1,000 | 0.066 | 1.70 | UT | E-ID | Path 20 |
| 23 | 007-013=E-ID_to_UT | 7 | 13 | 1,500 | 0.066 | 1.70 | E-ID | UT | Path 20 |
| 24 | 011-012=NM_fr_AZ | 12 | 11 | 1,500 | 0.048 | 1.24 | AZ | NM | Path 22+47 |
| 25 | 011-012=NM_to_AZ | 11 | 12 | 3,425 | 0.048 | 1.24 | NM | AZ | Path 22+47 |
| 26 | 014-016=N-NV_fr_N-CA | 16 | 14 | 160 | 0.040 | 2.83 | N-CA | N-NV | Path 24 |
| 27 | 014-016=N-NV_to_N-CA | 14 | 16 | 160 | 0.040 | 2.83 | N-NV | N-CA | Path 24 |
| 28 | 017-018=M-CA_fr_S-CA | 18 | 17 | 3,000 | 0.000 | 0.00 | S-CA | M-CA | Path 26 |
| 29 | 017-018=M-CA_to_S-CA | 17 | 18 | 3,700 | 0.010 | 1.13 | M-CA | S-CA | Path 26 |
| 30 | 013-018=UT_fr_S-CA | 18 | 13 | 1,400 | 0.040 | 2.83 | S-CA | UT | Path 27 |
| 31 | 013-018=UT_to_S-CA | 13 | 18 | 1,920 | 0.040 | 2.83 | UT | S-CA | Path 27 |
| 32 | 010-013=CO_fr_UT | 13 | 10 | 550 | 0.042 | 1.07 | UT | CO | Path 30 |
| 33 | 010-013=CO_to_UT | 10 | 13 | 550 | 0.042 | 1.07 | CO | UT | Path 30 |
| 34 | 010-011=CO_fr_NM | 11 | 10 | 600 | 0.095 | 2.44 | NM | CO | Path 31 |
| 35 | 010-011=CO_to_NM | 10 | 11 | 600 | 0.095 | 2.44 | CO | NM | Path 31 |
| 36 | 013-014=UT_fr_N-NV | 14 | 13 | 150 | 0.053 | 1.36 | N-NV | UT | Path 32 |
| 37 | 013-014=UT_to_N-NV | 13 | 14 | 245 | 0.053 | 1.36 | UT | N-NV | Path 32 |
| 38 | 013-015=UT_fr_S-NV | 15 | 13 | 300 | 0.000 | 0.00 | S-NV | UT | Path 35 |
| 39 | 013-015=UT_to_S-NV | 13 | 15 | 300 | 0.000 | 0.00 | UT | S-NV | Path 35 |
| 40 | 009-010=WY_fr_CO | 10 | 9 | 1,424 | 0.051 | 1.30 | CO | WY | Path 36 |
| 41 | 009-010=WY_to_CO | 9 | 10 | 1,424 | 0.051 | 1.30 | WY | CO | Path 36 |
| 42 | 001-022=W-WA_fr_BC | 22 | 1 | 2,213 | 0.066 | 1.70 | BC | W-WA | Path 3a |
| 43 | 001-022=W-WA_to_BC | 1 | 22 | 1,405 | 0.044 | 1.13 | W-WA | BC | Path 3a |
| 44 | 005-022=E-WA_fr_BC | 22 | 5 | 937 | 0.066 | 1.70 | BC | E-WA | Path 3b |
| 45 | 005-022=E-WA_to_BC | 5 | 22 | 595 | 0.066 | 1.70 | E-WA | BC | Path 3b |
| 46 | 001-003=W-WA_fr_C-WA | 3 | 1 | 10,200 | 0.044 | 1.13 | C-WA | W-WA | Path 4 |
| 47 | 001-003=W-WA_to_C-WA | 1 | 3 | 5,100 | 0.044 | 1.13 | W-WA | C-WA | Path 4 |
| 48 | 018-020=S-CA_fr_IID | 20 | 18 | 600 | 0.010 | 1.13 | IID | S-CA | Path 42 |
| 49 | 018-020=S-CA_to_IID | 18 | 20 | 300 | 0.010 | 1.13 | S-CA | IID | Path 42 |
| 50 | 018-019=S-CA_fr_SDGE | 19 | 18 | 706 | 0.010 | 1.13 | SDGE | S-CA | Path 43/44 |

TABLE 11
Link

| | A | B | C | D | E | F | G | H | I |
|----|----------------------|-----------|---------|---------------|-----------------------------|-------------------|-------------------|-----------------|-------------------|
| 1 | ID | Area From | Area To | Capacity (MW) | Losses (Fraction of Losses) | Wheeling (\$/MWh) | Area From Descrip | Area To Descrip | REM Special Issue |
| 51 | 018-019=S-CA_to_SDGE | 18 | 19 | 1,767 | 0.010 | 1.13 | S-CA | SDGE | Path 43/44 |
| 52 | 019-021=SDGE_fr_N-BJ | 21 | 19 | 800 | 0.010 | 0.57 | N-BJ | SDGE | Path 45 |
| 53 | 019-021=SDGE_to_N-BJ | 19 | 21 | 408 | 0.010 | 0.57 | SDGE | N-BJ | Path 45 |
| 54 | 015-018=S-NV_fr_S-CA | 18 | 15 | 3,385 | 0.040 | 2.83 | S-CA | S-NV | Path 46a |
| 55 | 015-018=S-NV_to_S-CA | 15 | 18 | 6,771 | 0.040 | 2.83 | S-NV | S-CA | Path 46a |
| 56 | 012-018=AZ_fr_S-CA | 18 | 12 | 962 | 0.040 | 2.83 | S-CA | AZ | Path 46b |
| 57 | 012-018=AZ_to_S-CA | 12 | 18 | 1,924 | 0.040 | 2.83 | AZ | S-CA | Path 46b |
| 58 | 012-019=AZ_fr_SDGE | 19 | 12 | 600 | 0.020 | 1.13 | SDGE | AZ | Path 46b |
| 59 | 012-019=AZ_to_SDGE | 12 | 19 | 1,177 | 0.020 | 1.13 | AZ | SDGE | Path 46b |
| 60 | 019-020=SDGE_fr_IID | 20 | 19 | 249 | 0.010 | 1.13 | IID | SDGE | Path 46c |
| 61 | 019-020=SDGE_to_IID | 19 | 20 | 125 | 0.010 | 1.13 | SDGE | IID | Path 46c |
| 62 | 012-015=AZ_fr_S-NV | 15 | 12 | 2,538 | 0.066 | 2.54 | S-NV | AZ | Path 49 |
| 63 | 012-015=AZ_to_S-NV | 12 | 15 | 5,076 | 0.066 | 2.54 | AZ | S-NV | Path 49 |
| 64 | 012-020=AZ_fr_IID | 20 | 12 | 166 | 0.010 | 1.13 | IID | AZ | Path 49 |
| 65 | 012-020=AZ_to_IID | 12 | 20 | 332 | 0.010 | 1.13 | AZ | IID | Path 49 |
| 66 | 002-004=W-OR_fr_E-OR | 4 | 2 | 7,000 | 0.044 | 1.13 | E-OR | W-OR | Path 5 |
| 67 | 002-004=W-OR_to_E-OR | 2 | 4 | 3,500 | 0.044 | 1.13 | W-OR | E-OR | Path 5 |
| 68 | 014-018=N-NV_fr_S-CA | 18 | 14 | 17 | 0.040 | 2.83 | S-CA | N-NV | Path 52 |
| 69 | 014-018=N-NV_to_S-CA | 14 | 18 | 18 | 0.040 | 2.83 | N-NV | S-CA | Path 52 |
| 70 | 003-005=C-WA_fr_E-WA | 5 | 3 | 4,277 | 0.044 | 1.13 | E-WA | C-WA | Path 6 |
| 71 | 003-005=C-WA_to_E-WA | 3 | 5 | 2,140 | 0.044 | 1.13 | C-WA | E-WA | Path 6 |
| 72 | 004-018=E-OR_fr_S-CA | 18 | 4 | 1,974 | 0.066 | 3.56 | S-CA | E-OR | Path 65 |
| 73 | 004-018=E-OR_to_S-CA | 4 | 18 | 2,392 | 0.066 | 3.56 | E-OR | S-CA | Path 65 |
| 74 | 004-016=E-OR_fr_N-CA | 16 | 4 | 3,107 | 0.066 | 3.56 | N-CA | E-OR | Path 66+25 |
| 75 | 004-016=E-OR_to_N-CA | 4 | 16 | 3,986 | 0.066 | 3.56 | E-OR | N-CA | Path 66+25 |
| 76 | 001-002=W-WA_fr_W-OR | 2 | 1 | 1,400 | 0.044 | 1.13 | W-OR | W-WA | Path 73a |
| 77 | 001-002=W-WA_to_W-OR | 1 | 2 | 1,400 | 0.044 | 1.13 | W-WA | W-OR | Path 73a |
| 78 | 002-003=W-OR_fr_C-WA | 3 | 2 | 2,800 | 0.044 | 1.13 | C-WA | W-OR | Path 73b |
| 79 | 002-003=W-OR_to_C-WA | 2 | 3 | 2,800 | 0.044 | 1.13 | W-OR | C-WA | Path 73b |
| 80 | 003-004=C-WA_fr_E-OR | 4 | 3 | 4,200 | 0.044 | 1.13 | E-OR | C-WA | Path 73c |
| 81 | 003-004=C-WA_to_E-OR | 3 | 4 | 4,200 | 0.044 | 1.13 | C-WA | E-OR | Path 73c |
| 82 | 004-014=E-OR_fr_N-NV | 14 | 4 | 300 | 0.066 | 1.70 | N-NV | E-OR | Path 76 |
| 83 | 004-014=E-OR_to_N-NV | 4 | 14 | 300 | 0.066 | 1.70 | E-OR | N-NV | Path 76 |
| 84 | 011-013=NM_fr_UT | 13 | 11 | 600 | 0.030 | 1.13 | UT | NM | Path 78 |
| 85 | 011-013=NM_to_UT | 11 | 13 | 560 | 0.030 | 1.13 | NM | UT | Path 78 |
| 86 | 012-013=AZ_fr_UT | 13 | 12 | 265 | 0.097 | 2.49 | UT | AZ | Path 79 |
| 87 | 012-013=AZ_to_UT | 12 | 13 | 300 | 0.097 | 2.49 | AZ | UT | Path 79 |
| 88 | 005-008=E-WA_fr_MT | 8 | 5 | 2,200 | 0.022 | 1.26 | MT | E-WA | Path 8 |
| 89 | 005-008=E-WA_to_MT | 5 | 8 | 600 | 0.022 | 1.26 | E-WA | MT | Path 8 |
| 90 | 008-009=MT_fr_WY | 9 | 8 | 400 | 0.048 | 1.24 | WY | MT | Path 80 |
| 91 | 008-009=MT_to_WY | 8 | 9 | 400 | 0.048 | 1.24 | MT | WY | Path 80 |

TABLE 13
Resource Modifier
 Table rows organized alphabetically by zone name. Table continues through page 24.

| 1 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE |
|----|-----------|------|-----------|--|--------------------------------|---------------------|---------------|-------|---------------------|-------------------|-----------------------|-------------------------|-------------------------|----------------------|-------------|----------|-------------------------------|------------------------|------------------------|-----------|------------------|--------------------|----------------|-------------|-----------|-------------------------------|--------------|----------------|----------------|-------------|------------------|
| 2 | Zone Name | Area | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Resource Begin Date | Resource End Date | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Min Capacity (Percent) | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Schedule Maint | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Hydro Number | Resource Group | Resource Fixed | Overall Max | Dropped Resource |
| 3 | Alberta | 23 | 1528 | Medicine Hat 12ST | Medicine Hat, City of | 16,500 | 33,000 | gs_AB | 1/1/1980 | 12/31/2012 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC090 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1528 |
| 4 | Alberta | 23 | 1529 | Medicine Hat 03ST | Medicine Hat, City of | 17,000 | 16,000 | gs_AB | 1/1/1980 | 12/31/2010 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC080 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1529 |
| 5 | Alberta | 23 | 1322 | Clover Bar ST2 | Edmonton Power | 12,500 | 165,000 | gs_AB | 12/31/1999 | 12/31/2014 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1322 |
| 6 | Alberta | 23 | 1324 | Clover Bar ST4 | Edmonton Power | 12,500 | 165,000 | gs_AB | 12/31/1999 | 12/31/2014 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1324 |
| 7 | Alberta | 23 | 1325 | Rossdale ST10 | Edmonton Power | 14,000 | 72,000 | gs_AB | 12/31/1999 | 12/31/2014 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1325 |
| 8 | Alberta | 23 | 1326 | Rossdale ST08 | Edmonton Power | 14,000 | 71,000 | gs_AB | 12/31/1999 | 12/31/2013 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1326 |
| 9 | Alberta | 23 | 1327 | Rossdale ST09 | Edmonton Power | 14,000 | 73,000 | gs_AB | 4/15/2003 | 12/31/2012 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1327 |
| 10 | Alberta | 23 | ANRN 2274 | New Resource 2274 from 5123 Comb Cycle | na | 6,682 | 400,000 | gs_NW | 1/1/2010 | 12/31/2021 | 2.51 | 1605 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 11 | Alberta | 23 | ANRN 2275 | New Resource 2275 from 5123 Comb Cycle | na | 6,682 | 400,000 | gs_NW | 1/1/2010 | 12/31/2021 | 2.51 | 1605 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 12 | Alberta | 23 | ANRN 2276 | New Resource 2276 from 5123 Comb Cycle | na | 6,682 | 400,000 | gs_NW | 1/1/2010 | 12/31/2021 | 2.51 | 1605 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 13 | Alberta | 23 | ANRN 2277 | New Resource 2277 from 5123 Comb Cycle | na | 6,682 | 400,000 | gs_NW | 1/1/2010 | 12/31/2021 | 2.51 | 1605 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 14 | Alberta | 23 | ANRN 2278 | New Resource 2278 from 5123 Comb Cycle | na | 6,682 | 400,000 | gs_NW | 1/1/2010 | 12/31/2021 | 2.51 | 1605 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 15 | Alberta | 23 | ANRN 2279 | New Resource 2279 from 5123 Comb Cycle | na | 6,647 | 400,000 | gs_NW | 1/1/2011 | 12/31/2021 | 2.51 | 1600 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 16 | Alberta | 23 | ANRN 2280 | New Resource 2280 from 5123 Comb Cycle | na | 6,647 | 400,000 | gs_NW | 1/1/2011 | 12/31/2021 | 2.51 | 1600 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 17 | Alberta | 23 | ANRN 2286 | New Resource 2286 from 5123 Comb Cycle | na | 6,612 | 400,000 | gs_NW | 1/1/2012 | 12/31/2021 | 2.51 | 1596 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 18 | Alberta | 23 | ANRN 2290 | New Resource 2290 from 5123 Comb Cycle | na | 6,577 | 400,000 | gs_NW | 1/1/2013 | 12/31/2021 | 2.51 | 1591 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 19 | Alberta | 23 | ANRN 2295 | New Resource 2295 from 5123 Comb Cycle | na | 6,543 | 400,000 | gs_NW | 1/1/2014 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 20 | Alberta | 23 | ANRN 2296 | New Resource 2296 from 5123 Comb Cycle | na | 6,543 | 400,000 | gs_NW | 1/1/2014 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 21 | Alberta | 23 | ANRN 2300 | New Resource 2300 from 5123 Comb Cycle | na | 6,508 | 400,000 | gs_NW | 1/1/2015 | 12/31/2021 | 2.51 | 1582 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 22 | Alberta | 23 | ANRN 2306 | New Resource 2306 from 5123 Comb Cycle | na | 6,473 | 400,000 | gs_NW | 1/1/2016 | 12/31/2021 | 2.51 | 1577 | 4 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 50 | |
| 23 | Arizona | 12 | 733 | Ocotillo ST1 | Arizona Public Service Company | 10,782 | 113,000 | gs_AZ | 1/1/1980 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | mn_WPC098 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 733 |
| 24 | Arizona | 12 | 765 | Irvington ST3 | Tucson Electric Power Company | 10,822 | 105,000 | gs_AZ | 1/1/1980 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 765 |
| 25 | Arizona | 12 | 786 | Las Vegas GTCG | Nevada Power Company - NV | 8,000 | 65,900 | gs_NV | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 786 |
| 26 | Arizona | 12 | 787 | Nevada Cogen #1 GTCG | Nevada Power Company - NV | 8,000 | 85,000 | gs_NV | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 787 |
| 27 | Arizona | 12 | 788 | Nevada Cogen #2 GTCG | Nevada Power Company - NV | 8,000 | 85,000 | gs_NV | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 788 |
| 28 | Arizona | 12 | 781 | Clark ST02 | Nevada Power Company - NV | 10,350 | 69,000 | gs_NV | 1/1/1980 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | mn_WPC095 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 781 |
| 29 | Arizona | 12 | 1251 | Yuma GTCG1 | San Diego Gas & Electric Compa | 8,000 | 36,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1251 |
| 30 | Arizona | 12 | 753 | Agua Fria ST3 | Salt River Project - AZ | 10,055 | 184,000 | gs_AZ | 12/31/1999 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | mn_WPC098 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 753 |
| 31 | Arizona | 12 | 764 | Irvington ST2 | Tucson Electric Power Company | 10,182 | 81,000 | gs_AZ | 12/31/1999 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 764 |
| 32 | Arizona | 12 | 751 | Agua Fria ST1 | Salt River Project - AZ | 10,277 | 114,000 | gs_AZ | 12/31/1999 | 12/31/2019 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | mn_WPC098 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 751 |
| 33 | Arizona | 12 | 752 | Agua Fria ST2 | Salt River Project - AZ | 10,346 | 114,000 | gs_AZ | 12/31/1999 | 12/31/2019 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | mn_WPC098 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 752 |
| 34 | Arizona | 12 | 738 | Saguaro GT1 | Arizona Public Service Company | 13,623 | 64,000 | gs_AZ | 12/31/1999 | 12/31/2013 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC070 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 738 |
| 35 | Arizona | 12 | 739 | Saguaro GT2 | Arizona Public Service Company | 13,718 | 64,000 | gs_AZ | 12/31/1999 | 12/31/2013 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC070 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 739 |
| 36 | Arizona | 12 | 678 | West Phoenix GT1 | Arizona Public Service Company | 13,965 | 67,000 | gs_AZ | 12/31/1999 | 12/31/2010 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC070 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 678 |
| 37 | Arizona | 12 | 679 | West Phoenix GT2 | Arizona Public Service Company | 13,965 | 67,000 | gs_AZ | 12/31/1999 | 12/31/2013 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC070 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 679 |
| 38 | Arizona | 12 | 742 | Yuca GT2 | Arizona Public Service Company | 14,137 | 22,000 | gs_AZ | 12/31/1999 | 12/31/2010 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC070 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 742 |
| 39 | Arizona | 12 | 741 | Yuca GT1 | Arizona Public Service Company | 14,667 | 22,000 | gs_AZ | 12/31/1999 | 12/31/2010 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC070 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 741 |
| 40 | Arizona | 12 | ANRN 1091 | New Resource 1091 from 5312 Coal | na | 8,722 | 600,000 | co_AZ | 1/1/2016 | 12/31/2021 | 4.91 | 3350 | 7.5 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 2 | |
| 41 | Arizona | 15 | ANRN 1106 | New Resource 1106 from 5315 Coal | na | 8,722 | 600,000 | co_AZ | 1/1/2016 | 12/31/2021 | 4.91 | 3350 | 7.5 | FUEL | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 2 | |

TABLE 13
Resource Modifier

Table rows organized alphabetically by zone name. Table continues through page 24.

| 1 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | | |
|-----------|------------------|----|-----------|--|--------------------------------|---------------|---------|---------------------|-------------------|-----------------------|-------------------------|-------------------------|----------------------|---------------|----------|------------------------------|------------------------|------------------------|-----------|------------------|--------------------|----------------|-------------|-----------|-------------------------------|--------------|----------------|----------------|-------------|------------------|-------|------|------|
| Zone Name | Area | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Resource Begin Date | Resource End Date | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MW/Start) | Min Capacity (Percent) | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Schedule Maint | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Hydro Number | Resource Group | Resource Fixed | Overall Max | Dropped Resource | | | |
| 44 | Baja California | 21 | 1558 | Mexicali GT3 | CFE | 11,150 | 18,000 | FO2 | 12/31/1999 | 12/31/2020 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | | | | | | | | | | 0 | AREA | FUEL | 22 | FALSE | 0 | 1558 | |
| 45 | Baja California | 21 | ANRN 2191 | New Resource 2191 from 5121 Comb Cycle | na | 6,508 | 400,000 | gs_SC | 1/1/2015 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 50 | | | |
| 46 | British Columbia | 22 | ANRN 2222 | New Resource 2222 from 5122 Comb Cycle | na | 6,682 | 400,000 | gs_NW | 1/1/2010 | 12/31/2021 | 2.51 | 1605 | 4 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 50 | | | |
| 47 | British Columbia | 22 | ANRN 2237 | New Resource 2237 from 5122 Comb Cycle | na | 6,577 | 400,000 | gs_NW | 1/1/2013 | 12/31/2021 | 2.51 | 1591 | 4 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 50 | | | |
| 48 | British Columbia | 22 | ANRN 2242 | New Resource 2242 from 5122 Comb Cycle | na | 6,543 | 400,000 | gs_NW | 1/1/2014 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 50 | | | |
| 49 | British Columbia | 22 | ANRN 2246 | New Resource 2246 from 5122 Comb Cycle | na | 6,508 | 400,000 | gs_NW | 1/1/2015 | 12/31/2021 | 2.51 | 1582 | 4 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 50 | | | |
| 50 | British Columbia | 22 | ANRN 2247 | New Resource 2247 from 5122 Comb Cycle | na | 6,508 | 400,000 | gs_NW | 1/1/2015 | 12/31/2021 | 2.51 | 1582 | 4 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 50 | | | |
| 51 | Colorado | 10 | 956 | Brush 1 GTCC | Public Service Company of Colo | 8,000 | 88,000 | gs_CO | 1/1/1980 | 12/31/2009 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 956 | |
| 52 | Colorado | 10 | 963 | Thermo Ft Lupton GTCC | Public Service Company of Colo | 8,000 | 36,100 | gs_CO | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 963 | |
| 53 | Colorado | 10 | 964 | Thermo Industries GTCC | Public Service Company of Colo | 8,000 | 123,200 | gs_CO | 1/1/1980 | 12/31/2011 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 964 | |
| 54 | Colorado | 10 | 965 | University of Colorado GTCC | Public Service Company of Colo | 8,000 | 15,900 | gs_CO | 1/1/1980 | 12/31/2009 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 965 | |
| 55 | Colorado | 10 | 962 | Thermo Carbonic CCCC | Public Service Company of Colo | 8,000 | 158,900 | gs_CO | 12/31/1999 | 12/31/2009 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 962 | |
| 56 | Montana | 8 | ANRN 1071 | New Resource 1071 from 5308 Coal | na | 8,722 | 600,000 | co_MT | 1/1/2016 | 12/31/2021 | 4.91 | 3357 | 7.5 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 2 | | | |
| 57 | NewMexico | 11 | 717 | Milagro GTCC2 | | 10,000 | 28,200 | gs_NM | 1/1/1980 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 717 | |
| 58 | NewMexico | 11 | 809 | Afton GT (pre-CC) | | 10,000 | 135,000 | gs_NM | 12/31/1999 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 809 | |
| 59 | NewMexico | 11 | ANRN 1086 | New Resource 1086 from 5311 Coal | na | 8,722 | 600,000 | co_NM | 1/1/2016 | 12/31/2021 | 4.91 | 3350 | 7.5 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 2 | | | |
| 60 | Northern Nevada | 14 | 139 | Rye Patch | | 20,000 | 10,200 | GEO | 1/1/1980 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 139 | |
| 61 | Northern Nevada | 14 | 140 | Steamboat Springs | | 20,000 | 25,500 | GEO | 1/1/1980 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 140 | |
| 62 | Northern Nevada | 14 | 804 | TRI-Center GT4 | Naniwa Energy | 10,000 | 60,000 | gs_NV | 1/1/1980 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 804 | |
| 63 | Northern Nevada | 14 | 805 | TRI-Center GT5 | Naniwa Energy | 10,000 | 60,000 | gs_NV | 1/1/1980 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 805 | |
| 64 | Northern Nevada | 14 | 1519 | Winnemucca GT | Sierra Pacific Power Company - | 15,900 | 15,000 | gs_NV | 12/31/1999 | 12/31/2012 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | mn_WPC080 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1519 |
| 65 | Northern Nevada | 14 | 612 | Kings Beach IC1 | Sierra Pacific Power Company - | 11,100 | 2,600 | FEO | 6/1/2000 | 12/31/2020 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | mn_WPC095 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 612 |
| 66 | Northern Nevada | 14 | 138 | Calthness Dixie Valley | | 20,000 | 54,100 | GEO | 4/1/2002 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 138 | |
| 67 | Northern Nevada | 14 | 137 | Beowawe Power | | 20,000 | 14,500 | GEO | 4/1/2003 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 137 | |
| 68 | Northern Nevada | 14 | ANRN 1101 | New Resource 1101 from 5314 Coal | na | 8,722 | 600,000 | co_NV | 1/1/2016 | 12/31/2021 | 4.91 | 3357 | 7.5 | FUEL | FUEL | FUEL | | 30 | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | 0 | AREA | FUEL | FALSE | 2 | | | |
| 69 | NP15 | 16 | 69 | NCPA # 1 | Northern California Power Agen | 17,369 | 44,000 | GEO | 1/1/1980 | 12/31/2014 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 69 | |
| 70 | NP15 | 16 | 1256 | Contra Costa ST6 | Pacific Gas & Electric Company | 9,385 | 336,000 | gs_NC | 1/1/1980 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1256 | |
| 71 | NP15 | 16 | 1257 | Contra Costa ST7 | Pacific Gas & Electric Company | 9,555 | 336,000 | gs_NC | 1/1/1980 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1257 | |
| 72 | NP15 | 16 | 1278 | Chowchilla II GT | | 10,000 | 49,000 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1278 | |
| 73 | NP15 | 16 | 1279 | Creed GT | | 10,000 | 45,000 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1279 | |
| 74 | NP15 | 16 | 1285 | King City GT | | 10,000 | 48,700 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1285 | |
| 75 | NP15 | 16 | 1290 | Los Esteros GT3 | | 10,000 | 48,700 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1290 | |
| 76 | NP15 | 16 | 1291 | Los Esteros GT4 | | 10,000 | 48,700 | gs_NC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1291 | |
| 77 | NP15 | 16 | 1294 | Red Bluff GT | | 10,000 | 47,000 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1294 | |
| 78 | NP15 | 16 | 1295 | Riverview | | 10,000 | 45,000 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1295 | |
| 79 | NP15 | 16 | 1303 | Tracy GT1 | | 10,000 | 84,500 | gs_NC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1303 | |
| 80 | NP15 | 16 | 1305 | Vaca-Dixon GT | | 10,000 | 49,000 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1305 | |
| 81 | NP15 | 16 | 1306 | Wolfskill GT | | 10,000 | 45,000 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1306 | |
| 82 | NP15 | 16 | 1307 | Yuba City GT | | 10,000 | 48,700 | gs_NC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1307 | |
| 83 | NP15 | 16 | 1308 | Gilroy GT2 | Calpine | 10,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 13
Resource Modifier

Table rows organized alphabetically by zone name. Table continues through page 24.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | |
|-----|-----------|------|------|-------------------|--------------------------------|---------------------|---------------|-------|---------------------|-------------------|-----------------------|-------------------------|-------------------------|----------------------|-------------|----------|------------------------------|------------------------|------------------------|-----------|------------------|--------------------|----------------|-------------|-----------|-------------------------------|--------------|----------------|----------------|-------------|------------------|----|
| 1 | Zone Name | Area | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Resource Begin Date | Resource End Date | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MW/Start) | Min Capacity (Percent) | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Schedule Maint | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Hydro Number | Resource Group | Resource Fixed | Overall Max | Dropped Resource | |
| 90 | NP15 | 16 | 77 | Geysers 16 | Pacific Gas & Electric Company | 21,529 | 73,000 | GEO | 12/31/1999 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 77 |
| 91 | NP15 | 16 | 1266 | Pittsburg ST6 | Pacific Gas & Electric Company | 9,625 | 317,000 | gs_NC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1266 | |
| 92 | NP15 | 16 | 1265 | Pittsburg ST5 | Pacific Gas & Electric Company | 9,653 | 315,000 | gs_NC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1265 | |
| 93 | NP15 | 16 | 1267 | Pittsburg ST7 | Pacific Gas & Electric Company | 9,697 | 700,000 | gs_NC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1267 | |
| 94 | NP15 | 16 | 1268 | Potrero ST3 | Pacific Gas & Electric Company | 9,771 | 207,000 | gs_NC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1268 | |
| 95 | NP15 | 16 | 1280 | Dinuba GTCG | | 10,000 | 12,000 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1280 | |
| 96 | NP15 | 16 | 1281 | Feather River GT | | 10,000 | 45,000 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1281 | |
| 97 | NP15 | 16 | 1282 | Goose Haven GT | | 10,000 | 45,000 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1282 | |
| 98 | NP15 | 16 | 1283 | Hanford GT1 | | 10,000 | 44,000 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1283 | |
| 99 | NP15 | 16 | 1284 | Hanford GT2 | | 10,000 | 44,000 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1284 | |
| 100 | NP15 | 16 | 1286 | Lambie GT | | 10,000 | 45,000 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1286 | |
| 101 | NP15 | 16 | 1287 | Los Banos GT | | 10,000 | 49,900 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1287 | |
| 102 | NP15 | 16 | 1288 | Los Esteros GT1 | | 10,000 | 48,700 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1288 | |
| 103 | NP15 | 16 | 1289 | Los Esteros GT2 | | 10,000 | 48,700 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1289 | |
| 104 | NP15 | 16 | 1293 | Panoche GT | | 10,000 | 49,100 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1293 | |
| 105 | NP15 | 16 | 1304 | Tracy GT2 | | 10,000 | 84,500 | gs_NC | 12/31/1999 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1304 | |
| 106 | NP15 | 16 | 1525 | Roseville GT2 | Northern California Power Agen | 15,750 | 25,000 | gs_NC | 12/31/1999 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1525 | |
| 107 | NP15 | 16 | 1522 | Alameda GT1 | Northern California Power Agen | 16,500 | 24,600 | gs_NC | 12/31/1999 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1522 | |
| 108 | NP15 | 16 | 1523 | Alameda GT2 | Northern California Power Agen | 16,500 | 25,300 | gs_NC | 12/31/1999 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1523 | |
| 109 | NP15 | 16 | 79 | Geysers 18 | Pacific Gas & Electric Company | 21,544 | 62,000 | GEO | 7/18/2001 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 79 | |
| 110 | NP15 | 16 | 80 | Geysers 20 | Pacific Gas & Electric Company | 21,544 | 49,000 | GEO | 7/18/2001 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 80 | |
| 111 | NP15 | 16 | 1262 | Hunters Point ST4 | Pacific Gas & Electric Company | 9,759 | 163,000 | gs_NC | 7/28/2001 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1262 | |
| 112 | NP15 | 16 | 78 | Geysers 17 | Pacific Gas & Electric Company | 21,544 | 48,000 | GEO | 8/1/2001 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 78 | |
| 113 | NP15 | 16 | 1260 | Humboldt Bay ST1 | Pacific Gas & Electric Company | 11,913 | 53,000 | gs_NC | 8/1/2001 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1260 | |
| 114 | NP15 | 16 | 1261 | Humboldt Bay ST2 | Pacific Gas & Electric Company | 12,352 | 53,000 | gs_NC | 8/1/2001 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1261 | |
| 115 | NP15 | 16 | 70 | NCPA #1 2 | Northern California Power Agen | 17,065 | 44,000 | GEO | 8/15/2001 | 12/31/2019 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 70 | |
| 116 | NP15 | 16 | 71 | NCPA #2 3 | Northern California Power Agen | 18,519 | 40,000 | GEO | 8/15/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 71 | |
| 117 | NP15 | 16 | 72 | NCPA #2 4 | Northern California Power Agen | 18,735 | 40,000 | GEO | 8/15/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 72 | |
| 118 | NP15 | 16 | 88 | West Ford Flat | CALPINE | 20,000 | 29,200 | GEO | 9/1/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 88 | |
| 119 | NP15 | 16 | 1524 | Roseville GT1 | Northern California Power Agen | 15,750 | 25,000 | gs_NC | 10/16/2001 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1524 | |
| 120 | NP15 | 16 | 74 | Geysers 12 | Pacific Gas & Electric Company | 21,376 | 42,000 | GEO | 10/31/2001 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 74 | |
| 121 | NP15 | 16 | 75 | Geysers 13 | Pacific Gas & Electric Company | 22,372 | 71,000 | GEO | 10/31/2001 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 75 |
| 122 | NP15 | 16 | 1309 | Gilroy GT3 | Calpine | 10,000 | 48,700 | gs_NC | 4/1/2002 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1309 | |
| 123 | NP15 | 16 | 76 | Geysers 14 | Pacific Gas & Electric Company | 21,376 | 61,000 | GEO | 5/15/2002 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 76 | |
| 124 | NP15 | 16 | 90 | Wineagle | WINEAGLE DEVELOPMENT, LP | 20,000 | 600 | GEO | 7/11/2002 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 90 | |
| 125 | NP15 | 16 | 82 | Geysers 06 | Pacific Gas & Electric Company | 21,690 | 42,500 | GEO | 7/15/2002 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 82 | |
| 126 | NP15 | 16 | 83 | Geysers 07 | Pacific Gas & Electric Company | 21,690 | 41,000 | GEO | 7/15/2002 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 83 | |
| 127 | NP15 | 16 | 86 | Amedee | AMEDÉE GEOTHERMAL VENTURE I | 20,000 | 1,300 | GEO | 7/29/2002 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 86 | |
| 128 | NP15 | 16 | 81 | Geysers 05 | Pacific Gas & Electric Company | 21,690 | 42,500 | GEO | 7/30/2002 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 81 | |
| 129 | NP15 | 16 | 87 | Bear Canyon 1-2 | CALPINE | 20,000 | 19,600 | GEO | 9/1/2002 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 87 | |
| 130 | NP15 | 16 | 543 | Hunters Point GT | Pacific Gas & Electric Company | 12,080 | 52,000 | FO2 | 1/10/2003 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 543 | |
| 131 | NP15 | 16 | 1254 | Lodi GT | Northern California Power Agen | 14,650 | 25,000 | gs_NC | 4/15/2003 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1254 | |
| 132 | NP15 | 16 | 84 | Geysers 08 | Pacific Gas & Electric Company | 21,690 | 41,000 | GEO | 6/1/2003 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 84 | |
| 133 | NP15 | 16 | 73 | Geysers 11 | Pacific Gas & Electric Company | 21,376 | 74,000 | GEO | 7/1/2003 | 12/31/2009 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 73 | |
| 134 | NP15 | 16 | 89 | Sonoma Geothermal | CALPINE | 20,000 | 50,300 | GEO | 7/15/2003 | 12/31 | | | | | | | | | | | | | | | | | | | | | | |

TABLE 13
Resource Modifier
 Table rows organized alphabetically by zone name. Table continues through page 24.

| 1 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | | |
|-----|-----------|------|-----------|--|---------------------------------|---------------------|---------------|-------|---------------------|-------------------|-----------------------|-------------------------|-------------------------|----------------------|-------------|----------|------------------------------|------------------------|------------------------|-----------|------------------|--------------------|----------------|-------------|-----------|-------------------------------|--------------|----------------|----------------|-------------|------------------|------|-----|
| | Zone Name | Area | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Resource Begin Date | Resource End Date | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MW/Start) | Min Capacity (Percent) | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Schedule Maint | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Hydro Number | Resource Group | Resource Fixed | Overall Max | Dropped Resource | | |
| 135 | NP15 | 16 | ANRN 1950 | New Resource 1950 from 5116 Comb Cycle | na | 6,508 | 400,000 | gs_NC | 1/1/2015 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | 30 | FUEL | | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 100 | | | |
| 136 | NP15 | 16 | ANRN 1951 | New Resource 1951 from 5116 Comb Cycle | na | 6,508 | 400,000 | gs_NC | 1/1/2015 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | 30 | FUEL | | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 100 | | | |
| 137 | NP15 | 16 | ANRN 1952 | New Resource 1952 from 5116 Comb Cycle | na | 6,508 | 400,000 | gs_NC | 1/1/2015 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | 30 | FUEL | | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 100 | | | |
| 138 | NP15 | 16 | ANRN 1958 | New Resource 1958 from 5116 Comb Cycle | na | 6,473 | 400,000 | gs_NC | 1/1/2016 | 12/31/2021 | 2.51 | 1582 | 4 | FUEL | FUEL | FUEL | 30 | FUEL | | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 100 | | | |
| 139 | NP15 | 16 | ANRN 1959 | New Resource 1959 from 5116 Comb Cycle | na | 6,473 | 400,000 | gs_NC | 1/1/2016 | 12/31/2021 | 2.51 | 1582 | 4 | FUEL | FUEL | FUEL | 30 | FUEL | | | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 100 | | | |
| 140 | SP15 | 18 | 91 | Salton Sea 1 | | 20,000 | 9,100 | GEO | 1/1/1980 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 91 | |
| 141 | SP15 | 18 | 116 | PLES I | MAMMOTH-PACIFIC, L.P. | 20,000 | 7,200 | GEO | 1/1/1980 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 116 | |
| 142 | SP15 | 18 | 120 | CE Turbo | CalEnergy | 20,000 | 10,890 | GEO | 1/1/1980 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 120 |
| 143 | SP15 | 18 | 988 | LAX Airport GTCG1 | Los Angeles Department of Water | 8,000 | 3,400 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 988 | |
| 144 | SP15 | 18 | 1017 | Midway Sunset GTCG3 | Midway-Sunset Cogeneration | 8,000 | 68,800 | gs_SC | 1/1/1980 | 12/31/2015 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1017 | |
| 145 | SP15 | 18 | 1022 | Sycamore GTCG2 | Sycamore Cogeneration | 8,000 | 74,000 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1022 | |
| 146 | SP15 | 18 | 1023 | Sycamore GTCG3 | Sycamore Cogeneration | 8,000 | 74,000 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1023 | |
| 147 | SP15 | 18 | 1024 | Sycamore GTCG4 | Sycamore Cogeneration | 8,000 | 74,000 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1024 | |
| 148 | SP15 | 18 | 1046 | ARCO Fee A GTCG2 | ARCO | 8,000 | 3,300 | gs_SC | 1/1/1980 | 12/31/2013 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1046 | |
| 149 | SP15 | 18 | 1049 | ARCO Fee C GTCG2 | ARCO | 8,000 | 3,300 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1049 | |
| 150 | SP15 | 18 | 1055 | Monarch GTCG2 | Monarch Cogeneration | 8,000 | 7,900 | gs_SC | 1/1/1980 | 12/31/2013 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1055 | |
| 151 | SP15 | 18 | 1070 | Kern River Eastridge GTCG2 | Chevron USA | 8,000 | 17,400 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1070 | |
| 152 | SP15 | 18 | 1088 | Cymric 31X GTCG2 | Chevron USA | 8,000 | 1,700 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1088 | |
| 153 | SP15 | 18 | 1089 | Cymric 36W GTCG1 | Chevron USA | 8,000 | 1,600 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1089 | |
| 154 | SP15 | 18 | 1090 | Cymric 36W GTCG2 | Chevron USA | 8,000 | 1,600 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1090 | |
| 155 | SP15 | 18 | 1149 | Madison GTCG2 | Energy Transfer/Hannover | 8,000 | 22,000 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1149 | |
| 156 | SP15 | 18 | 1181 | Gaviota GTCG2 | Chevron USA | 8,000 | 2,700 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1181 | |
| 157 | SP15 | 18 | 1182 | Gaviota GTCG3 | Chevron USA | 8,000 | 2,700 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1182 | |
| 158 | SP15 | 18 | 1203 | Southeast Kern River GTCG2 | Texaco | 8,000 | 1,900 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1203 | |
| 159 | SP15 | 18 | 1204 | Southeast Kern River GTCG3 | Texaco | 8,000 | 1,900 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1204 | |
| 160 | SP15 | 18 | 1218 | McKittrick GTCG2 | Texaco | 8,000 | 1,500 | gs_SC | 1/1/1980 | 12/31/2013 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1218 | |
| 161 | SP15 | 18 | 1219 | McKittrick GTCG3 | Texaco | 8,000 | 1,500 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1219 | |
| 162 | SP15 | 18 | 1221 | North Midway GTCG2 | Texaco | 8,000 | 3,500 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1221 | |
| 163 | SP15 | 18 | 1027 | Watson CCCG3 | ARCO Products | 8,800 | 87,300 | gs_SC | 1/1/1980 | 12/31/2011 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1027 | |
| 164 | SP15 | 18 | 1028 | Watson CCCG4 | ARCO Products | 8,800 | 87,300 | gs_SC | 1/1/1980 | 12/31/2013 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1028 | |
| 165 | SP15 | 18 | 1063 | Carson CCCG | | 8,800 | 49,100 | gs_SC | 1/1/1980 | 12/31/2012 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1063 | |
| 166 | SP15 | 18 | 1116 | Harbor TCCG | | 10,000 | 17,900 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1116 | |
| 167 | SP15 | 18 | 1222 | THUMS GTCG | | 10,000 | 47,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1222 | |
| 168 | SP15 | 18 | 729 | Encina ST4 | San Diego Gas & Electric Compa | 10,200 | 303,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 729 | |
| 169 | SP15 | 18 | 1474 | AES Alamitos ST5 | Southern California Edison Com | 9,361 | 482,000 | gs_SC | 1/1/1980 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1474 | |
| 170 | SP15 | 18 | 996 | AES Alamitos ST6 | Southern California Edison Com | 9,381 | 481,000 | gs_SC | 1/1/1980 | 12/31/2013 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 996 | |
| 171 | SP15 | 18 | 1000 | El Segundo Power ST4 | Southern California Edison Com | 9,593 | 335,000 | gs_SC | 1/1/1980 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 34 | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1000 | |
| 172 | SP15 | 18 | 1002 | Mountain Vista ST4 | Reliant Energy | 9,601 | 320,000 | gs_SC | 1/1/1980 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1002 | |
| 173 | SP15 | 18 | 1001 | Mountain Vista ST3 | Reliant Energy | 9,616 | 320,000 | gs_SC | 1/1/1980 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1001 | |
| 174 | SP15 | 18 | 992 | Encina ST5 | San Diego Gas & Electric Compa | 9,620 | 332,000 | gs_SC | 1/1/1980 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 992 | |
| 175 | SP15 | 18 | 995 | AES Alamitos ST4 | Southern California Edison Com | 9,690 | 320,000 | gs_SC | 1/1/1980 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 995 | |
| 176 | SP15 | 18 | 999 | El Segundo Power ST3 | Southern California Edison Com | 9,723 | 337,000 | gs_SC | 1/1/1980 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 34 | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 999 | |
| 177 | SP15 | 18 | 1433 | Lake One GT | | 10,000 | 47,000 | gs_SC | 1/1/1980 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1433 | |
| 178 | SP15 | 18 | 1445 | Harbor GT11 | | 10,000 | 47,000 | gs_SC | 1/1/1980 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | 0 | | | | | | | | | | | | | |

TABLE 13
Resource Modifier
Table rows organized alphabetically by zone name. Table continues through page 24.

| 1 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE |
|-----------|------|----|------|--------------------------------|--------------------------------|---------------|---------|---------------------|-------------------|-----------------------|-------------------------|-------------------------|----------------------|---------------|----------|-------------------------------|------------------------|------------------------|-----------|------------------|--------------------|----------------|-------------|-----------|-------------------------------|--------------|----------------|----------------|-------------|------------------|------|
| Zone Name | Area | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Resource Begin Date | Resource End Date | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Min Capacity (Percent) | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Schedule Maint | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Hydro Number | Resource Group | Resource Fixed | Overall Max | Dropped Resource | |
| 188 | SP15 | 18 | 1495 | Henrietta Peaker GT1 | | 10,000 | 48,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1495 |
| 189 | SP15 | 18 | 1496 | Henrietta Peaker GT2 | | 10,000 | 48,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1496 |
| 190 | SP15 | 18 | 1499 | Kings County State Prison GTCC | | 10,000 | 4,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1499 |
| 191 | SP15 | 18 | 1504 | Rockwell GTCC | | 10,000 | 21,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1504 |
| 192 | SP15 | 18 | 1505 | Springs Substation GT1 | | 10,000 | 11,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1505 |
| 193 | SP15 | 18 | 1506 | Springs Substation GT2 | | 10,000 | 11,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1506 |
| 194 | SP15 | 18 | 1507 | Springs Substation GT3 | | 10,000 | 11,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1507 |
| 195 | SP15 | 18 | 1508 | Springs Substation GT4 | | 10,000 | 11,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1508 |
| 196 | SP15 | 18 | 1512 | Indigo GT2 | Wildflower LLP | 10,000 | 45,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1512 |
| 197 | SP15 | 18 | 1513 | Indigo GT3 | Wildflower LLP | 10,000 | 45,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1513 |
| 198 | SP15 | 18 | 1514 | Larkspur GT2 | Wildflower LLP | 10,000 | 43,000 | gs_SC | 1/1/1980 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1514 |
| 199 | SP15 | 18 | 1473 | AES Alamitos ST3 | Southern California Edison Com | 10,236 | 322,000 | gs_SC | 1/1/1980 | 12/31/2010 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1473 |
| 200 | SP15 | 18 | 1464 | Encina ST1 | San Diego Gas & Electric Compa | 10,300 | 104,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1464 |
| 201 | SP15 | 18 | 1465 | Encina ST2 | San Diego Gas & Electric Compa | 10,300 | 105,000 | gs_SC | 1/1/1980 | 12/31/2014 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1465 |
| 202 | SP15 | 18 | 1466 | Encina ST3 | San Diego Gas & Electric Compa | 10,400 | 111,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1466 |
| 203 | SP15 | 18 | 1472 | AES Alamitos ST2 | Southern California Edison Com | 10,658 | 177,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1472 |
| 204 | SP15 | 18 | 1471 | AES Alamitos ST1 | Southern California Edison Com | 10,956 | 171,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1471 |
| 205 | SP15 | 18 | 1530 | El Cajon GT | San Diego Gas & Electric Compa | 16,300 | 17,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | mm_WPC080 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1530 |
| 206 | SP15 | 18 | 1531 | Encina GT | San Diego Gas & Electric Compa | 16,800 | 17,000 | gs_SC | 1/1/1980 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | mm_WPC090 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1531 |
| 207 | SP15 | 18 | 92 | Salton Sea 2 | | 20,000 | 18,800 | GEO | 12/31/1999 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 92 | |
| 208 | SP15 | 18 | 93 | Salton Sea 3 | | 20,000 | 46,300 | GEO | 12/31/1999 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 93 | |
| 209 | SP15 | 18 | 94 | Salton Sea 4 | | 20,000 | 29,400 | GEO | 12/31/1999 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 94 | |
| 210 | SP15 | 18 | 117 | Salton Sea | | 20,000 | 52,270 | GEO | 12/31/1999 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 117 | |
| 211 | SP15 | 18 | 1015 | Midway Sunset GTCC1 | Southern California Edison Com | 8,000 | 68,800 | gs_SC | 12/31/1999 | 12/31/2015 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1015 |
| 212 | SP15 | 18 | 1021 | Sycamore GTCC1 | Southern California Edison Com | 8,000 | 74,000 | gs_SC | 12/31/1999 | 12/31/2015 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1021 |
| 213 | SP15 | 18 | 1032 | Sunrise GTCC2 | Mission Energy/Texaco | 8,000 | 168,900 | gs_SC | 12/31/1999 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1032 |
| 214 | SP15 | 18 | 1091 | Cymric 36W GTCC3 | Chevron USA | 8,000 | 1,600 | gs_SC | 12/31/1999 | 12/31/2011 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1091 |
| 215 | SP15 | 18 | 1092 | Cymric 36W GTCC4 | Chevron USA | 8,000 | 1,600 | gs_SC | 12/31/1999 | 12/31/2011 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1092 |
| 216 | SP15 | 18 | 1093 | Cymric 6Z GTCC1 | Chevron USA | 8,000 | 1,600 | gs_SC | 12/31/1999 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1093 |
| 217 | SP15 | 18 | 1094 | Cymric 6Z GTCC2 | Chevron USA | 8,000 | 1,600 | gs_SC | 12/31/1999 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1094 |
| 218 | SP15 | 18 | 1183 | Gaviota GTCC4 | Chevron USA | 8,000 | 2,700 | gs_SC | 12/31/1999 | 12/31/2014 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1183 |
| 219 | SP15 | 18 | 1211 | South Belridge GTCC2 | Cal Resources | 8,000 | 3,400 | gs_SC | 12/31/1999 | 12/31/2012 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1211 |
| 220 | SP15 | 18 | 1212 | South Belridge GTCC3 | Cal Resources | 8,000 | 3,400 | gs_SC | 12/31/1999 | 12/31/2013 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1212 |
| 221 | SP15 | 18 | 1115 | Harbor CCCC | | 8,800 | 49,800 | gs_SC | 12/31/1999 | 12/31/2010 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1115 |
| 222 | SP15 | 18 | 981 | Magnolia ST3 | | 10,000 | 21,000 | gs_SC | 12/31/1999 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 981 |
| 223 | SP15 | 18 | 1161 | Occidental of Elk Hills GTCC | | 10,000 | 7,600 | gs_SC | 12/31/1999 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1161 |
| 224 | SP15 | 18 | 1020 | AES Redondo Beach ST8 | Southern California Edison Com | 9,500 | 484,000 | gs_SC | 12/31/1999 | 12/31/2020 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1020 |
| 225 | SP15 | 18 | 1468 | South Bay ST1 | San Diego Gas & Electric Compa | 9,500 | 147,000 | gs_SC | 12/31/1999 | 12/31/2013 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1468 |
| 226 | SP15 | 18 | 1013 | Ocean Vista ST1 | Reliant Energy | 9,519 | 218,000 | gs_SC | 12/31/1999 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1013 |
| 227 | SP15 | 18 | 1014 | Ocean Vista ST2 | Reliant Energy | 9,579 | 215,000 | gs_SC | 12/31/1999 | 12/31/2009 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1014 |
| 228 | SP15 | 18 | 1469 | South Bay ST2 | San Diego Gas & Electric Compa | 9,800 | 150,000 | gs_SC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1469 |
| 229 | SP15 | 18 | 993 | South Bay ST3 | San Diego Gas & Electric Compa | 9,900 | 176,000 | gs_SC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 993 |
| 230 | SP15 | 18 | 1489 | Draws GT | | 10,000 | 43,000 | gs_SC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1489 |
| 231 | SP15 | 18 | 1490 | El Cajon GT (CalPeak) | | 10,000 | 49,000 | gs_SC | 12/31/1999 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 0 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1490 |
| 232 | SP1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 13
Resource Modifier
 Table rows organized alphabetically by zone name. Table continues through page 24.

| 1 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE |
|-----|-----------|------|-----------|--|--------------------------------|---------------------|---------------|-------|---------------------|-------------------|-----------------------|-------------------------|-------------------------|----------------------|-------------|----------|------------------------------|------------------------|------------------------|-----------|------------------|--------------------|----------------|-------------|-----------|-------------------------------|--------------|----------------|----------------|-------------|------------------|
| | Zone Name | Area | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Resource Begin Date | Resource End Date | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MW/Start) | Min Capacity (Percent) | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Schedule Maint | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Hydro Number | Resource Group | Resource Fixed | Overall Max | Dropped Resource |
| 241 | SP15 | 18 | 111 | Mammoth Pacific II | OGDEN POWER CORPORATION | 20,000 | 6,700 | GEO | 9/1/2000 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 111 |
| 242 | SP15 | 18 | 96 | COSO 4 Pwr Dvlprs | CAITHNESS ENERGY LLC | 20,000 | 9,670 | GEO | 6/1/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 96 |
| 243 | SP15 | 18 | 99 | COSO 7 Enrgy Dvlprs | CAITHNESS ENERGY LLC | 20,000 | 25,000 | GEO | 6/1/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 99 |
| 244 | SP15 | 18 | 102 | COSO 1 Fin Ptrns | CAITHNESS ENERGY LLC | 20,000 | 9,660 | GEO | 6/1/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 102 |
| 245 | SP15 | 18 | 105 | Hoch | CALENERGY | 20,000 | 33,500 | GEO | 6/1/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 105 |
| 246 | SP15 | 18 | 106 | Elmore | CALENERGY | 20,000 | 33,700 | GEO | 6/1/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 106 |
| 247 | SP15 | 18 | 1016 | Midway Sunset GTCG2 | Midway-Sunset Cogeneration | 8,000 | 68,800 | gs_SC | 6/1/2001 | 12/31/2015 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1016 |
| 248 | SP15 | 18 | 1005 | AES Huntington Beach ST3 repower | AES | 8,200 | 225,000 | gs_SC | 7/1/2001 | 12/31/2013 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1005 |
| 249 | SP15 | 18 | 1006 | AES Huntington Beach ST4 repower | AES | 8,200 | 225,000 | gs_SC | 7/1/2001 | 12/31/2015 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1006 |
| 250 | SP15 | 18 | 110 | Mammoth Pacific I | OGDEN POWER CORPORATION | 20,000 | 5,100 | GEO | 7/2/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 110 |
| 251 | SP15 | 18 | 108 | Leathers | CALENERGY | 20,000 | 34,100 | GEO | 7/4/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 108 |
| 252 | SP15 | 18 | 107 | Covanta Heber | CALPINE/ERC | 20,000 | 37,600 | GEO | 8/14/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 107 |
| 253 | SP15 | 18 | 112 | Ormesa II | FPL ENERGY, INC. | 20,000 | 18,100 | GEO | 8/15/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 112 |
| 254 | SP15 | 18 | 118 | SIGC | OGDEN POWER CORPORATION | 20,000 | 31,200 | GEO | 8/15/2001 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 118 |
| 255 | SP15 | 18 | 1467 | Kearny GT1 | San Diego Gas & Electric Compa | 15,500 | 17,000 | gs_SC | 9/1/2001 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | mn_WPC090 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1467 |
| 256 | SP15 | 18 | 1532 | Kearny GT2 | San Diego Gas & Electric Compa | 16,400 | 63,000 | gs_SC | 12/1/2001 | 12/31/2009 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | mn_WPC090 | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1532 |
| 257 | SP15 | 18 | 113 | Ormesa I | OESI POWER CORPORATION | 20,000 | 20,000 | GEO | 5/15/2002 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 113 |
| 258 | SP15 | 18 | 119 | Vulcan | CALENERGY | 20,000 | 29,900 | GEO | 7/1/2002 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 119 |
| 259 | SP15 | 18 | 114 | Ormesa IE | OESI POWER CORPORATION | 20,000 | 7,000 | GEO | 7/30/2002 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 114 |
| 260 | SP15 | 18 | 1004 | AES Huntington Beach ST2 | Southern California Edison Com | 9,775 | 215,000 | gs_SC | 1/10/2003 | 12/31/2011 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1004 |
| 261 | SP15 | 18 | 1003 | AES Huntington Beach ST1 | Southern California Edison Com | 9,613 | 215,000 | gs_SC | 2/28/2003 | 12/31/2012 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 1003 |
| 262 | SP15 | 18 | 115 | Ormesa IH | OESI POWER CORPORATION | 20,000 | 7,000 | GEO | 6/1/2003 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 115 |
| 263 | SP15 | 18 | ANRN 2063 | New Resource 2063 from 5118 Comb Cycle | na | 6,508 | 400,000 | gs_SC | 1/1/2015 | 12/31/2021 | 2.51 | 1587 | 4 | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 150 | |
| 264 | SP15 | 17 | ANRN 2015 | New Resource 2015 from 5117 Comb Cycle | na | 6,473 | 400,000 | gs_SC | 1/1/2016 | 12/31/2021 | 2.51 | 1582 | 4 | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 10 | |
| 265 | Utah | 13 | 122 | Blundell | PacifiCorp | 21,248 | 19,600 | GEO | 1/1/1980 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 122 |
| 266 | Utah | 13 | 124 | Bonnett #3 | Provo City Corp - UT | 41,482 | 6,000 | GEO | 1/1/1980 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 124 |
| 267 | Utah | 13 | 602 | St George IC2 | Saint George UT, City of | 9,022 | 7,000 | FO2 | 12/31/1999 | 12/31/2019 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 602 |
| 268 | Utah | 13 | 123 | Bonnett #1 1-4 | Provo City Corp - UT | 41,482 | 2,700 | GEO | 12/31/1999 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 123 |
| 269 | Utah | 13 | ANRN 1096 | New Resource 1096 from 5313 Coal | na | 8,722 | 600,000 | co_UT | 1/1/2016 | 12/31/2021 | 4.91 | 3357 | 7.5 | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 2 | |
| 270 | Wyoming | 9 | 571 | Ben French IC2 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 1/1/1980 | 12/31/2019 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 571 |
| 271 | Wyoming | 9 | 572 | Ben French IC3 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 12/31/1999 | 12/31/2019 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 572 |
| 272 | Wyoming | 9 | 574 | Ben French IC5 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 12/31/1999 | 12/31/2019 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 574 |
| 273 | Wyoming | 9 | 579 | Ben French IC1 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 12/31/1999 | 12/31/2019 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 579 |
| 274 | Wyoming | 9 | 121 | LaBarge Shute Creek Power Plant | Exon Mobile | 17,369 | 125,000 | GEO | 12/1/2004 | 12/31/2009 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FALSE | 1/1/1980 | 1/1/1980 | 0 | AREA | FUEL | FALSE | 0 | 121 |
| 275 | Wyoming | 9 | ANRN 1076 | New Resource 1076 from 5309 Coal | na | 8,722 | 600,000 | co_WY | 1/1/2016 | 12/31/2021 | 4.91 | 3357 | 7.5 | FUEL | FUEL | FUEL | 30 | FUEL | | FUEL | FUEL | FUEL | FALSE | 1/2/1980 | 1/1/1980 | | AREA | FUEL | FALSE | 2 | |

TABLE 14
Resources
Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|----|------|------------------------------------|---------|---------------------|---------------|------|------|-----------------------|------------------------|---------------------------|----------------------|-------------|----------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MW/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MW/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 2 | 3416 | Demand Side Curtailment Area1 90 | na | 10,000 | 4,000,000 | CCL1 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 3 | 3417 | Demand Side Curtailment Area1 90 | na | 10,000 | 4,000,000 | CCL1 | 2 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 4 | 3418 | Demand Side Curtailment Area1 90 | na | 10,000 | 4,000,000 | CCL1 | 3 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 5 | 3419 | Demand Side Curtailment Area1 90 | na | 10,000 | 4,000,000 | CCL1 | 4 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 6 | 3420 | Demand Side Curtailment Area1 90 | na | 10,000 | 4,000,000 | CCL1 | 5 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 7 | 3421 | Demand Side Curtailment Area5 90 | na | 10,000 | 400,000 | CCL1 | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 8 | 3422 | Demand Side Curtailment Area5 90 | na | 10,000 | 400,000 | CCL1 | 7 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 9 | 3423 | Demand Side Curtailment Area6 90 | na | 10,000 | 300,000 | CCL1 | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 10 | 3424 | Demand Side Curtailment Area7 90 | na | 10,000 | 100,000 | CCL1 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 11 | 3425 | Demand Side Curtailment Area8 90 | na | 10,000 | 700,000 | CCL1 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 12 | 3426 | Demand Side Curtailment Area9 90 | na | 10,000 | 300,000 | CCL1 | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 13 | 3427 | Demand Side Curtailment Area10 90 | na | 10,000 | 800,000 | CCL1 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 14 | 3428 | Demand Side Curtailment Area11 90 | na | 10,000 | 400,000 | CCL1 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 15 | 3429 | Demand Side Curtailment Area12 90 | na | 10,000 | 500,000 | CCL1 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 16 | 3430 | Demand Side Curtailment Area9 90 | na | 10,000 | 300,000 | CCL1 | 15 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 17 | 3431 | Demand Side Curtailment Area2 90 | na | 10,000 | 1,800,000 | CCL1 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 18 | 3432 | Demand Side Curtailment Area2 90 | na | 10,000 | 1,800,000 | CCL1 | 17 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 19 | 3433 | Demand Side Curtailment Area3 90 | na | 10,000 | 2,400,000 | CCL1 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 20 | 3434 | Demand Side Curtailment Area3 90 | na | 10,000 | 2,400,000 | CCL1 | 19 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 21 | 3435 | Demand Side Curtailment Area3 90 | na | 10,000 | 2,400,000 | CCL1 | 20 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 22 | 3436 | Demand Side Curtailment Area4 90 | na | 10,000 | 2,800,000 | CCL1 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 23 | 3437 | Demand Side Curtailment Area13 90 | na | 10,000 | 400,000 | CCL1 | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 24 | 3438 | Demand Side Curtailment Area13 90 | na | 10,000 | 400,000 | CCL1 | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 25 | 3301 | Demand Side Curtailment Area1 120 | na | 10,000 | 8,000,000 | CCL2 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 26 | 3302 | Demand Side Curtailment Area1 120 | na | 10,000 | 8,000,000 | CCL2 | 2 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 27 | 3303 | Demand Side Curtailment Area1 120 | na | 10,000 | 8,000,000 | CCL2 | 3 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 28 | 3304 | Demand Side Curtailment Area1 120 | na | 10,000 | 8,000,000 | CCL2 | 4 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 29 | 3305 | Demand Side Curtailment Area1 120 | na | 10,000 | 8,000,000 | CCL2 | 5 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 30 | 3306 | Demand Side Curtailment Area5 120 | na | 10,000 | 800,000 | CCL2 | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 31 | 3307 | Demand Side Curtailment Area5 120 | na | 10,000 | 800,000 | CCL2 | 7 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 32 | 3308 | Demand Side Curtailment Area6 120 | na | 10,000 | 600,000 | CCL2 | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 33 | 3309 | Demand Side Curtailment Area7 120 | na | 10,000 | 200,000 | CCL2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 34 | 3310 | Demand Side Curtailment Area8 120 | na | 10,000 | 1,400,000 | CCL2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 35 | 3311 | Demand Side Curtailment Area9 120 | na | 10,000 | 600,000 | CCL2 | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 36 | 3312 | Demand Side Curtailment Area10 120 | na | 10,000 | 1,600,000 | CCL2 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 37 | 3313 | Demand Side Curtailment Area11 120 | na | 10,000 | 800,000 | CCL2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 38 | 3314 | Demand Side Curtailment Area12 120 | na | 10,000 | 1,000,000 | CCL2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 39 | 3315 | Demand Side Curtailment Area9 120 | na | 10,000 | 600,000 | CCL2 | 15 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 40 | 3316 | Demand Side Curtailment Area2 120 | na | 10,000 | 3,600,000 | CCL2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 41 | 3317 | Demand Side Curtailment Area2 120 | na | 10,000 | 3,600,000 | CCL2 | 17 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 42 | 3318 | Demand Side Curtailment Area3 120 | na | 10,000 | 4,800,000 | CCL2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 43 | 3319 | Demand Side Curtailment Area3 120 | na | 10,000 | 4,800,000 | CCL2 | 19 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |

TABLE 14
Resources
 Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|----|------|------------------------------------|---------|---------------------|---------------|------|------|-----------------------|-------------------------|-------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forced Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 44 | 3320 | Demand Side Curtailment Area3 120 | na | 10,000 | 4,800,000 | CCL2 | 20 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 45 | 3321 | Demand Side Curtailment Area4 120 | na | 10,000 | 5,600,000 | CCL2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 46 | 3322 | Demand Side Curtailment Area13 120 | na | 10,000 | 800,000 | CCL2 | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 47 | 3323 | Demand Side Curtailment Area13 120 | na | 10,000 | 800,000 | CCL2 | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 48 | 3324 | Demand Side Curtailment Area1 150 | na | 10,000 | 8,000,000 | CCL3 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 49 | 3325 | Demand Side Curtailment Area1 150 | na | 10,000 | 8,000,000 | CCL3 | 2 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 50 | 3326 | Demand Side Curtailment Area1 150 | na | 10,000 | 8,000,000 | CCL3 | 3 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 51 | 3327 | Demand Side Curtailment Area1 150 | na | 10,000 | 8,000,000 | CCL3 | 4 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 52 | 3328 | Demand Side Curtailment Area1 150 | na | 10,000 | 8,000,000 | CCL3 | 5 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 53 | 3329 | Demand Side Curtailment Area5 150 | na | 10,000 | 800,000 | CCL3 | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 54 | 3330 | Demand Side Curtailment Area5 150 | na | 10,000 | 800,000 | CCL3 | 7 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 55 | 3331 | Demand Side Curtailment Area6 150 | na | 10,000 | 600,000 | CCL3 | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 56 | 3332 | Demand Side Curtailment Area7 150 | na | 10,000 | 200,000 | CCL3 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 57 | 3333 | Demand Side Curtailment Area8 150 | na | 10,000 | 1,400,000 | CCL3 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 58 | 3334 | Demand Side Curtailment Area9 150 | na | 10,000 | 600,000 | CCL3 | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 59 | 3335 | Demand Side Curtailment Area10 150 | na | 10,000 | 1,600,000 | CCL3 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 60 | 3336 | Demand Side Curtailment Area11 150 | na | 10,000 | 800,000 | CCL3 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 61 | 3337 | Demand Side Curtailment Area12 150 | na | 10,000 | 1,000,000 | CCL3 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 62 | 3338 | Demand Side Curtailment Area9 150 | na | 10,000 | 600,000 | CCL3 | 15 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 63 | 3339 | Demand Side Curtailment Area2 150 | na | 10,000 | 3,600,000 | CCL3 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 64 | 3340 | Demand Side Curtailment Area2 150 | na | 10,000 | 3,600,000 | CCL3 | 17 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 65 | 3341 | Demand Side Curtailment Area3 150 | na | 10,000 | 4,800,000 | CCL3 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 66 | 3342 | Demand Side Curtailment Area3 150 | na | 10,000 | 4,800,000 | CCL3 | 19 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 67 | 3343 | Demand Side Curtailment Area3 150 | na | 10,000 | 4,800,000 | CCL3 | 20 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 68 | 3344 | Demand Side Curtailment Area4 150 | na | 10,000 | 5,600,000 | CCL3 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 69 | 3345 | Demand Side Curtailment Area13 150 | na | 10,000 | 800,000 | CCL3 | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 70 | 3346 | Demand Side Curtailment Area13 150 | na | 10,000 | 800,000 | CCL3 | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 71 | 3347 | Demand Side Curtailment Area1 200 | na | 10,000 | 8,000,000 | CCL4 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 72 | 3348 | Demand Side Curtailment Area1 200 | na | 10,000 | 8,000,000 | CCL4 | 2 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 73 | 3349 | Demand Side Curtailment Area1 200 | na | 10,000 | 8,000,000 | CCL4 | 3 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 74 | 3350 | Demand Side Curtailment Area1 200 | na | 10,000 | 8,000,000 | CCL4 | 4 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 75 | 3351 | Demand Side Curtailment Area1 200 | na | 10,000 | 8,000,000 | CCL4 | 5 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 76 | 3352 | Demand Side Curtailment Area5 200 | na | 10,000 | 800,000 | CCL4 | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 77 | 3353 | Demand Side Curtailment Area5 200 | na | 10,000 | 800,000 | CCL4 | 7 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 78 | 3354 | Demand Side Curtailment Area6 200 | na | 10,000 | 600,000 | CCL4 | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 79 | 3355 | Demand Side Curtailment Area7 200 | na | 10,000 | 200,000 | CCL4 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 80 | 3356 | Demand Side Curtailment Area8 200 | na | 10,000 | 1,400,000 | CCL4 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 81 | 3357 | Demand Side Curtailment Area9 200 | na | 10,000 | 600,000 | CCL4 | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 82 | 3358 | Demand Side Curtailment Area10 200 | na | 10,000 | 1,600,000 | CCL4 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 83 | 3359 | Demand Side Curtailment Area11 200 | na | 10,000 | 800,000 | CCL4 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 84 | 3360 | Demand Side Curtailment Area12 200 | na | 10,000 | 1,000,000 | CCL4 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 85 | 3361 | Demand Side Curtailment Area9 200 | na | 10,000 | 600,000 | CCL4 | 15 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 86 | 3362 | Demand Side Curtailment Area2 200 | na | 10,000 | 3,600,000 | CCL4 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 87 | 3363 | Demand Side Curtailment Area2 200 | na | 10,000 | 3,600,000 | CCL4 | 17 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|------|--------------------------------------|---------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 88 | 3364 | Demand Side Curtailment Area3 200 | na | 10,000 | 4,800,000 | CCL4 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 89 | 3365 | Demand Side Curtailment Area3 200 | na | 10,000 | 4,800,000 | CCL4 | 19 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 90 | 3366 | Demand Side Curtailment Area3 200 | na | 10,000 | 4,800,000 | CCL4 | 20 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 91 | 3367 | Demand Side Curtailment Area4 200 | na | 10,000 | 5,600,000 | CCL4 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 92 | 3368 | Demand Side Curtailment Area13 200 | na | 10,000 | 800,000 | CCL4 | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 93 | 3369 | Demand Side Curtailment Area13 200 | na | 10,000 | 800,000 | CCL4 | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 94 | 3370 | Demand Side Curtailment Area1 400 | na | 10,000 | 8,000,000 | CCL5 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 95 | 3371 | Demand Side Curtailment Area1 400 | na | 10,000 | 8,000,000 | CCL5 | 2 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 96 | 3372 | Demand Side Curtailment Area1 400 | na | 10,000 | 8,000,000 | CCL5 | 3 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 97 | 3373 | Demand Side Curtailment Area1 400 | na | 10,000 | 8,000,000 | CCL5 | 4 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 98 | 3374 | Demand Side Curtailment Area1 400 | na | 10,000 | 8,000,000 | CCL5 | 5 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 99 | 3375 | Demand Side Curtailment Area5 400 | na | 10,000 | 800,000 | CCL5 | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 100 | 3376 | Demand Side Curtailment Area5 400 | na | 10,000 | 800,000 | CCL5 | 7 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 101 | 3377 | Demand Side Curtailment Area6 400 | na | 10,000 | 600,000 | CCL5 | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 102 | 3378 | Demand Side Curtailment Area7 400 | na | 10,000 | 200,000 | CCL5 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 103 | 3379 | Demand Side Curtailment Area8 400 | na | 10,000 | 1,400,000 | CCL5 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 104 | 3380 | Demand Side Curtailment Area9 400 | na | 10,000 | 600,000 | CCL5 | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 105 | 3381 | Demand Side Curtailment Area10 400 | na | 10,000 | 1,600,000 | CCL5 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 106 | 3382 | Demand Side Curtailment Area11 400 | na | 10,000 | 800,000 | CCL5 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 107 | 3383 | Demand Side Curtailment Area12 400 | na | 10,000 | 1,000,000 | CCL5 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 108 | 3384 | Demand Side Curtailment Area9 400 | na | 10,000 | 600,000 | CCL5 | 15 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 109 | 3385 | Demand Side Curtailment Area2 400 | na | 10,000 | 3,600,000 | CCL5 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 110 | 3386 | Demand Side Curtailment Area2 400 | na | 10,000 | 3,600,000 | CCL5 | 17 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 111 | 3387 | Demand Side Curtailment Area3 400 | na | 10,000 | 4,800,000 | CCL5 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 112 | 3388 | Demand Side Curtailment Area3 400 | na | 10,000 | 4,800,000 | CCL5 | 19 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 113 | 3389 | Demand Side Curtailment Area3 400 | na | 10,000 | 4,800,000 | CCL5 | 20 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 114 | 3390 | Demand Side Curtailment Area4 400 | na | 10,000 | 5,600,000 | CCL5 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 115 | 3391 | Demand Side Curtailment Area13 400 | na | 10,000 | 800,000 | CCL5 | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 116 | 3392 | Demand Side Curtailment Area13 400 | na | 10,000 | 800,000 | CCL5 | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 117 | 3393 | Demand Side Curtailment Area1 NDCurt | na | 10,000 | 10,000,000 | CCL6 | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 118 | 3394 | Demand Side Curtailment Area1 NDCurt | na | 10,000 | 10,000,000 | CCL6 | 2 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 119 | 3395 | Demand Side Curtailment Area1 NDCurt | na | 10,000 | 10,000,000 | CCL6 | 3 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 120 | 3396 | Demand Side Curtailment Area1 NDCurt | na | 10,000 | 10,000,000 | CCL6 | 4 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 121 | 3397 | Demand Side Curtailment Area1 NDCurt | na | 10,000 | 10,000,000 | CCL6 | 5 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 122 | 3398 | Demand Side Curtailment Area5 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 123 | 3399 | Demand Side Curtailment Area5 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 7 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 124 | 3400 | Demand Side Curtailment Area6 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 125 | 3401 | Demand Side Curtailment Area7 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |

TABLE 14
Resources
Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|-----|------|---------------------------------------|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Csts (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 126 | 3402 | Demand Side Curtailment Area8 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 127 | 3403 | Demand Side Curtailment Area9 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 128 | 3404 | Demand Side Curtailment Area10 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 129 | 3405 | Demand Side Curtailment Area11 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 130 | 3406 | Demand Side Curtailment Area12 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 131 | 3407 | Demand Side Curtailment Area9 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 15 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 132 | 3408 | Demand Side Curtailment Area2 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 133 | 3409 | Demand Side Curtailment Area2 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 17 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 134 | 3410 | Demand Side Curtailment Area3 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 135 | 3411 | Demand Side Curtailment Area3 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 19 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 136 | 3412 | Demand Side Curtailment Area3 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 20 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 137 | 3413 | Demand Side Curtailment Area4 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 138 | 3414 | Demand Side Curtailment Area13 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 139 | 3415 | Demand Side Curtailment Area13 NDCurt | na | 10,000 | 100,000,000 | CCL6 | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 140 | 417 | Apache Station ST2 | Arizona Electric Power Coopera | 10,293 | 175,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 141 | 418 | Apache Station ST3 | Arizona Electric Power Coopera | 10,293 | 175,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 142 | 420 | Cholla ST2 | Arizona Public Service Company | 10,362 | 245,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 143 | 421 | Cholla ST3 | Arizona Public Service Company | 10,399 | 260,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 144 | 422 | Cholla ST4 | Arizona Public Service Company | 10,395 | 380,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 145 | 423 | Coronado ST1 | Salt River Project - AZ | 10,214 | 395,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 146 | 424 | Coronado ST2 | Salt River Project - AZ | 10,214 | 365,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 147 | 419 | Cholla ST1 | Arizona Public Service Company | 10,378 | 110,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 148 | 425 | Navajo ST1 | Salt River Project - AZ | 9,700 | 750,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 149 | 426 | Navajo ST2 | Salt River Project - AZ | 9,640 | 750,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 150 | 427 | Navajo ST3 | Salt River Project - AZ | 9,780 | 750,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 151 | 428 | Ivington ST4 | Tucson Electric Power Company | 10,219 | 156,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 152 | 429 | Springerville ST1 | Tucson Electric Power Company | 9,088 | 400,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 153 | 430 | Springerville ST2 | Tucson Electric Power Company | 8,914 | 400,000 | co_AZ | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 154 | 400 | East 3rd St CKCG | GWF POWER SYSTEMS | 10,000 | 17,100 | co_CA | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 155 | 401 | Loveridge Road CKCG | GWF POWER SYSTEMS | 10,000 | 18,000 | co_CA | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 156 | 402 | Wilbur West CKCG | GWF POWER SYSTEMS | 10,000 | 17,100 | co_CA | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 157 | 403 | Wilbur East CKCG | GWF POWER SYSTEMS | 10,000 | 17,700 | co_CA | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 158 | 404 | Nichols Road CKCG | GWF POWER SYSTEMS | 10,000 | 18,000 | co_CA | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 159 | 405 | Port of Stockton CLCG | PPOSDEF POWER CO. | 10,000 | 38,700 | co_CA | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 160 | 406 | Stockton CLCG | AIR PRODUCTS & CHEMICALS (MAIN | 5,000 | 41,400 | co_CA | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 161 | 407 | Wilmington Calciner CKCG | ARCO PRODUCTS CO | 10,000 | 29,400 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 162 | 408 | Argus CLCG1 | NORTH AMERICAN CHEMICAL CO | 10,000 | 31,000 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 163 | 409 | Argus CLCG2 | IMC Chemicals | 10,000 | 31,000 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 164 | 410 | California Portland Cement | | 10,000 | 28,500 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 165 | 411 | Hanford CKCG | GWF POWER SYSTEMS | 10,000 | 20,000 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 166 | 412 | Mt Poso CLCG | Pyro-Pacific Operating Co. | 5,000 | 47,700 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 167 | 413 | Rio Bravo Jasmin CKCG | RIO BRAVO JASMIN | 10,000 | 39,900 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 168 | 414 | Rio Bravo Poso CLCG | RIO BRAVO POSO REFINING | 10,000 | 36,200 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|-----|------------------------|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 169 | 415 | Riverside Cement CKCG1 | RIVERSIDE CEMENT CO | 10,000 | 100 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 170 | 416 | Riverside Cement CKCG2 | RIVERSIDE CEMENT CO | 10,000 | 100 | co_CA | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 171 | 431 | Battle R ST3 | Alberta Power Limited | 10,502 | 157,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 172 | 432 | Battle R ST4 | Alberta Power Limited | 10,500 | 157,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 173 | 433 | Battle R ST5 | Alberta Power Limited | 10,356 | 390,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 174 | 434 | Milner ST | Alberta Power Limited | 10,501 | 152,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 175 | 435 | Sheerness ST1 | Alberta Power Limited | 10,353 | 389,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 176 | 436 | Sheerness ST2 | Alberta Power Limited | 10,351 | 383,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 177 | 437 | Genesee ST1 | Edmonton Power | 10,350 | 406,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 178 | 438 | Genesee ST2 | Edmonton Power | 10,352 | 406,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 179 | 440 | Keephills ST2 | TransAlta Utilities Corporatio | 10,354 | 393,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 180 | 441 | Sundance ST1 | TransAlta Utilities Corporatio | 10,401 | 293,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 181 | 443 | Sundance ST3 | TransAlta Utilities Corporatio | 10,360 | 371,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 182 | 447 | Wabaman ST4 | TransAlta Utilities Corporatio | 10,402 | 293,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 183 | 439 | Keephills ST1 | TransAlta Utilities Corporatio | 10,355 | 392,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 184 | 442 | Sundance ST2 | TransAlta Utilities Corporatio | 10,400 | 294,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 185 | 444 | Sundance ST4 | TransAlta Utilities Corporatio | 10,359 | 371,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 186 | 445 | Sundance ST5 | TransAlta Utilities Corporatio | 10,358 | 371,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 187 | 446 | Sundance ST6 | TransAlta Utilities Corporatio | 10,357 | 380,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 188 | 448 | Sundance ST1A | TransAlta | 11,000 | 42,000 | co_CN | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 189 | 492 | Cherokee ST3 | Public Service Company of Colo | 10,130 | 158,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 190 | 496 | Hayden ST1 | Public Service Company of Colo | 10,520 | 184,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 191 | 497 | Hayden ST2 | Public Service Company of Colo | 10,520 | 262,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 192 | 498 | Pawnee ST | Public Service Company of Colo | 10,390 | 495,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 193 | 500 | Craig ST1 | Tri-State Generation & Transmi | 10,644 | 428,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 194 | 501 | Craig ST2 | Tri-State Generation & Transmi | 10,644 | 428,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 195 | 502 | Craig ST3 | Tri-State Generation & Transmi | 10,612 | 408,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 196 | 503 | Nucla ST1 | Tri-State Generation & Transmi | 11,670 | 12,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 197 | 504 | Nucla ST2 | Tri-State Generation & Transmi | 11,670 | 12,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 198 | 505 | Nucla ST3 | Tri-State Generation & Transmi | 11,670 | 12,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 199 | 506 | Nucla ST4 | Tri-State Generation & Transmi | 11,670 | 64,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 200 | 507 | W N Clark 1 | West Plains Energy | 13,100 | 17,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 201 | 508 | W N Clark 2 | West Plains Energy | 12,690 | 24,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 202 | 479 | Martin Drake ST5 | Colorado Springs Utilities - C | 11,592 | 47,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 203 | 480 | Martin Drake ST6 | Colorado Springs Utilities - C | 11,421 | 79,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 204 | 481 | Martin Drake ST7 | Colorado Springs Utilities - C | 10,488 | 133,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 205 | 482 | Ray D Nixon ST1 | Colorado Springs Utilities - C | 10,050 | 208,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 206 | 483 | Rawhide ST | Platte River Power Authority - | 10,480 | 270,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 207 | 484 | Arapahoe ST3 | Public Service Company of Colo | 11,810 | 45,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 208 | 485 | Arapahoe ST4 | Public Service Company of Colo | 10,700 | 111,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 209 | 486 | Bullock ST1 | Public Service Company of Colo | 13,100 | 6,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 210 | 487 | Bullock ST2 | Public Service Company of Colo | 13,100 | 6,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 211 | 488 | Cameo ST1 | Public Service Company of Colo | 12,440 | 23,700 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 212 | 489 | Cameo ST2 | Public Service Company of Colo | 10,890 | 49,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 213 | 490 | Cherokee ST1 | Public Service Company of Colo | 10,080 | 107,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 214 | 491 | Cherokee ST2 | Public Service Company of Colo | 10,450 | 106,000 | co_CO | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 215 | 493 | Cherokee ST4 | Public Service Company of Colo | 9,630 | 352,000 | co_CO | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|-----|-----|-----------------|--------------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 282 | 572 | Ben French IC3 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 283 | 573 | Ben French IC4 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 284 | 574 | Ben French IC5 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 285 | 575 | Ben French GT1 | Black Hills Power & Light Comp | 12,490 | 25,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 286 | 576 | Ben French GT2 | Black Hills Power & Light Comp | 12,490 | 25,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 287 | 577 | Ben French GT3 | Black Hills Power & Light Comp | 12,490 | 25,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 288 | 578 | Ben French GT4 | Black Hills Power & Light Comp | 12,490 | 25,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 289 | 579 | Ben French IC1 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 290 | 571 | Ben French IC2 | Black Hills Power & Light Comp | 9,240 | 2,000 | FO2 | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 291 | 580 | Lamar Plant IC1 | Lamar CO, City of | 12,700 | 1,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 292 | 581 | Lamar Plant IC2 | Lamar CO, City of | 12,700 | 1,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 293 | 585 | Pueblo IC2 | West Plains Energy | 10,600 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 294 | 586 | Pueblo IC3 | West Plains Energy | 10,600 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 295 | 587 | Pueblo IC4 | West Plains Energy | 10,600 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 296 | 588 | Pueblo IC5 | West Plains Energy | 10,600 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 297 | 589 | Rocky Ford IC1 | West Plains Energy | 10,700 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 298 | 590 | Rocky Ford IC2 | West Plains Energy | 10,700 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 299 | 591 | Rocky Ford IC3 | West Plains Energy | 10,700 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 300 | 592 | Rocky Ford IC4 | West Plains Energy | 10,700 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 301 | 593 | Rocky Ford IC5 | West Plains Energy | 10,700 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 302 | 582 | Cherokee IC1 | Public Service Company of Colo | 14,000 | 2,750 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 303 | 583 | Cherokee IC2 | Public Service Company of Colo | 14,000 | 2,750 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 304 | 584 | Pueblo IC1 | West Plains Energy | 10,600 | 2,000 | FO2 | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 305 | 594 | Douglas GT | Arizona Public Service Company | 13,797 | 17,000 | FO2 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 306 | 595 | Yucca GT4 | Arizona Public Service Company | 12,691 | 61,000 | FO2 | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 307 | 601 | St George IC1 | Saint George UT, City of | 9,022 | 7,000 | FO2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 308 | 602 | St George IC2 | Saint George UT, City of | 9,022 | 7,000 | FO2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 309 | 596 | Heber City IC7 | Heber Light & Power Company - | 8,000 | 1,600 | FO2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 310 | 597 | Provo IC5 | Provo City Corp - UT | 8,000 | 2,500 | FO2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 311 | 598 | Provo IC6 | Provo City Corp - UT | 8,000 | 2,500 | FO2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 312 | 599 | Provo IC7 | Provo City Corp - UT | 8,000 | 2,500 | FO2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 313 | 600 | Provo IC8 | Provo City Corp - UT | 8,000 | 2,500 | FO2 | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 314 | 613 | Kings Beach IC2 | Sierra Pacific Power Company - | 11,100 | 2,600 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/7/2001 | 12/31/2053 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 315 | 614 | Kings Beach IC3 | Sierra Pacific Power Company - | 11,100 | 2,600 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/7/2001 | 12/31/2053 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 316 | 615 | Kings Beach IC4 | Sierra Pacific Power Company - | 11,100 | 2,600 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/7/2001 | 12/31/2053 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 317 | 616 | Kings Beach IC5 | Sierra Pacific Power Company - | 11,100 | 2,600 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 5/4/2001 | 12/31/2053 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 318 | 626 | Valley Road IC3 | Sierra Pacific Power Company - | 10,215 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2000 | 12/31/2053 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 319 | 612 | Kings Beach IC1 | Sierra Pacific Power Company - | 11,100 | 2,600 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2000 | 12/31/2053 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 320 | 617 | Kings Beach IC6 | Sierra Pacific Power Company - | 11,100 | 2,600 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 4/27/2000 | 12/31/2053 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 321 | 618 | Pinon Pine | Sierra Pacific Power Company - | 8,000 | 90,000 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 322 | 619 | Portola IC1 | Sierra Pacific Power Company - | 10,336 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 323 | 620 | Portola IC2 | Sierra Pacific Power Company - | 10,336 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 324 | 621 | Portola IC3 | Sierra Pacific Power Company - | 10,336 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 325 | 625 | Valley Road IC2 | Sierra Pacific Power Company - | 10,215 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 326 | 603 | Battle Mtn IC1 | Sierra Pacific Power Company - | 10,180 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 327 | 604 | Battle Mtn IC2 | Sierra Pacific Power Company - | 10,180 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 328 | 605 | Battle Mtn IC3 | Sierra Pacific Power Company - | 10,180 | 1,800 | FO2 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|-----|------|------------------------|--------------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 337 | 624 | Valley Road IC1 | Sierra Pacific Power Company - | 10,215 | 1,800 | FO2 | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 338 | 543 | Hunters Point GT | Pacific Gas & Electric Company | 12,080 | 52,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 1/10/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 339 | 544 | Mobile GT1 | Pacific Gas & Electric Company | 14,000 | 15,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 340 | 545 | Mobile GT2 | Pacific Gas & Electric Company | 14,000 | 15,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 341 | 546 | Mobile GT3 | Pacific Gas & Electric Company | 14,000 | 15,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 342 | 547 | Oakland GT1 | Pacific Gas & Electric Company | 12,080 | 58,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 343 | 548 | Oakland GT2 | Pacific Gas & Electric Company | 12,080 | 51,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 344 | 549 | Oakland GT3 | Pacific Gas & Electric Company | 12,080 | 49,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 345 | 550 | Potrero GT4 | Pacific Gas & Electric Company | 12,080 | 54,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 346 | 551 | Potrero GT5 | Pacific Gas & Electric Company | 12,080 | 55,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 347 | 552 | Potrero GT6 | Pacific Gas & Electric Company | 12,080 | 53,000 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 348 | 542 | Downieville IC | Pacific Gas & Electric Company | 13,088 | 750 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 349 | 553 | Sierra City IC | Pacific Gas & Electric Company | 8,000 | 335 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 350 | 554 | Washington IC | Pacific Gas & Electric Company | 8,000 | 250 | FO2 | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 351 | 564 | Rockwood ST2 | Imperial Irrigation District - | 13,400 | 25,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/31/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 352 | 567 | Vernon IC2 | Vernon CA, City of | 8,000 | 4,200 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/31/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 353 | 563 | Rockwood ST1 | Imperial Irrigation District - | 13,400 | 25,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 354 | 566 | Vernon IC1 | Vernon CA, City of | 8,000 | 4,200 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 355 | 569 | Vernon IC4 | Vernon CA, City of | 8,000 | 4,200 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 356 | 570 | Vernon IC5 | Vernon CA, City of | 8,000 | 4,200 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 357 | 555 | Brawley GT1 | Imperial Irrigation District - | 17,600 | 11,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 358 | 556 | Brawley GT2 | Imperial Irrigation District - | 17,600 | 11,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 359 | 557 | Coachella ST1 | Imperial Irrigation District - | 14,400 | 20,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 360 | 558 | Coachella ST2 | Imperial Irrigation District - | 14,400 | 20,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 361 | 559 | Coachella ST3 | Imperial Irrigation District - | 14,400 | 20,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 362 | 560 | Coachella ST4 | Imperial Irrigation District - | 14,400 | 20,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 363 | 561 | El Centro ST3 | Imperial Irrigation District - | 11,500 | 48,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 364 | 562 | El Centro ST4 | Imperial Irrigation District - | 8,000 | 80,000 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 365 | 565 | Pebble Beach IC7/FUEL5 | Southern California Edison Com | 9,375 | 0 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC098 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 366 | 568 | Vernon IC3 | Vernon CA, City of | 8,000 | 4,200 | FO2 | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 367 | 1550 | Cipres IC3 | CFE | 10,700 | 18,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2000 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 23 | | | FALSE | FUEL | |
| 368 | 1551 | Cipres IC4 | CFE | 10,700 | 8,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2000 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 23 | | | FALSE | FUEL | |
| 369 | 1552 | Cipres IC5 | CFE | 10,700 | 8,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2000 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 23 | | | FALSE | FUEL | |
| 370 | 1548 | Cipres GT1 | CFE | 10,950 | 27,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 371 | 1549 | Cipres GT2 | CFE | 10,900 | 27,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 372 | 1556 | Mexicali GT1 | CFE | 11,300 | 26,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 373 | 1557 | Mexicali GT2 | CFE | 11,350 | 18,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 374 | 1558 | Mexicali GT3 | CFE | 11,150 | 18,000 | FO2 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 375 | 1559 | Pdce Juarez ST1 | CFE | 11,000 | 71,000 | FO6 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 376 | 1560 | Pdce Juarez ST2 | CFE | 11,000 | 72,000 | FO6 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 377 | 1561 | Pdce Juarez ST3 | CFE | 11,050 | 71,000 | FO6 | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|-----|-----------------------|--------------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 395 | 130 | Steamboat II | Sierra Pacific Power Company - | 8,000 | 16,600 | GEO | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 396 | 131 | Steamboat III | Sierra Pacific Power Company - | 8,000 | 17,100 | GEO | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 397 | 139 | Rye Patch | | 20,000 | 10,200 | GEO | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 398 | 140 | Steamboat Springs | | 20,000 | 25,500 | GEO | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 399 | 89 | Sonoma Geothermal | CALPINE | 20,000 | 50,300 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/15/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 400 | 73 | Geysers 11 | Pacific Gas & Electric Company | 21,376 | 74,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 7/1/2003 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 401 | 84 | Geysers 08 | Pacific Gas & Electric Company | 21,690 | 41,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 6/1/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 402 | 87 | Bear Canyon 1-2 | CALPINE | 20,000 | 19,600 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 9/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 403 | 81 | Geysers 05 | Pacific Gas & Electric Company | 21,690 | 42,500 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 7/30/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 404 | 86 | Amedee | AMEDEE GEOTHERMAL VENTURE I | 20,000 | 1,300 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/29/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 405 | 82 | Geysers 06 | Pacific Gas & Electric Company | 21,690 | 42,500 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 7/15/2002 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 406 | 83 | Geysers 07 | Pacific Gas & Electric Company | 21,690 | 41,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 7/15/2002 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 407 | 90 | Wineagle | WINEAGLE DEVELOPMENT, LP | 20,000 | 600 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 408 | 76 | Geysers 14 | Pacific Gas & Electric Company | 21,376 | 61,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 5/15/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 409 | 74 | Geysers 12 | Pacific Gas & Electric Company | 21,376 | 42,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 10/31/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 410 | 75 | Geysers 13 | Pacific Gas & Electric Company | 22,372 | 71,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | FUEL | 10/31/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 411 | 88 | West Ford Flat | CALPINE | 20,000 | 29,200 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 9/1/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 412 | 70 | NCPA #1 2 | Northern California Power Agen | 17,065 | 44,000 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 8/15/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 413 | 71 | NCPA #2 3 | Northern California Power Agen | 18,519 | 40,000 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 8/15/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 414 | 72 | NCPA #2 4 | Northern California Power Agen | 18,735 | 40,000 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 8/15/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 415 | 85 | Calistoga Geothermal | Pacific Gas & Electric Company | 8,000 | 68,000 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 8/15/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 416 | 78 | Geysers 17 | Pacific Gas & Electric Company | 21,544 | 48,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 8/1/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 417 | 79 | Geysers 18 | Pacific Gas & Electric Company | 21,544 | 62,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 7/18/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 418 | 80 | Geysers 20 | Pacific Gas & Electric Company | 21,544 | 49,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | 20 | 7/18/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 419 | 77 | Geysers 16 | Pacific Gas & Electric Company | 21,529 | 73,000 | GEO | 16 | FUEL | FUEL | 25 | 25 | 1 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 420 | 69 | NCPA #1 1 | Northern California Power Agen | 17,369 | 44,000 | GEO | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 421 | 115 | Omsesa 1H | OESI POWER CORPORATION | 20,000 | 7,000 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2003 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 422 | 114 | Omsesa 1E | OESI POWER CORPORATION | 20,000 | 7,000 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/30/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 423 | 119 | Vulcan | CALENERGY | 20,000 | 29,900 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 424 | 113 | Omsesa 1 | OESI POWER CORPORATION | 20,000 | 20,000 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 5/15/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 425 | 112 | Omsesa II | FPL ENERGY, INC | 20,000 | 18,100 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 8/15/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 426 | 118 | SIGC | OGDEN POWER CORPORATION | 20,000 | 31,200 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 8/15/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 427 | 107 | Covanta Heber | CALPINE/ERC | 20,000 | 37,600 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 8/14/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 428 | 108 | Leathers | CALENERGY | 20,000 | 34,100 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/4/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 429 | 110 | Mammoth Pacific I | OGDEN POWER CORPORATION | 20,000 | 5,100 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/2/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 430 | 95 | Salton Sea 5 | CalEnergy | 10,000 | 41,000 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2001 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 431 | 96 | COSO 4 Pwr Dvlpers | CAITHNESS ENERGY LLC | 20,000 | 9,670 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 432 | 99 | COSO 7 Energy Dvlpers | CAITHNESS ENERGY LLC | 20,000 | 25,000 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 433 | 102 | COSO 1 Fin Ptrns | CAITHNESS ENERGY LLC | 20,000 | 9,660 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 434 | 105 | Hoch | CALENERGY | 20,000 | 33,500 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 435 | 106 | Elmore | CALENERGY | 20,000 | 33,700 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 436 | 109 | Mammoth Pacific III | OGDEN POWER CORPORATION | 20,000 | 8,200 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 9/1/2000 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 437 | 111 | Mammoth Pacific II | OGDEN POWER CORPORATION | 20,000 | 6,700 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 9/1/2000 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 438 | 92 | Salton Sea 2 | | 20,000 | 18,800 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 439 | 93 | Salton Sea 3 | | 20,000 | 46,300 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 440 | 94 | Salton Sea 4 | | 20,000 | 29,600 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 441 | 117 | Salton Sea | | 20,000 | 52,270 | GEO | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA</ | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|-----|------|--------------------------|--------------------------------|---------------|---------|-------|-----------------------|-------------------------|---------------------------|----------------------|---------------|-----------|-------------------------------|----------------------------|---------------------|-------------------|---------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Maint Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity (MW) | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 449 | 116 | PLES I | MAMMOTH-PACIFIC, L.P. | 20,000 | 7,200 | Geo | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 450 | 120 | CE Turbo | CalEnergy | 20,000 | 10,890 | Geo | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 451 | 1347 | Cerro Prieto IV | CPE | 10,000 | 100,000 | Geo | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2000 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 26 | 0 | 6 | FALSE | 0 | |
| 452 | 1544 | Cerro Prieto I | CPE | 10,000 | 163,000 | Geo | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 26 | 0 | 6 | FALSE | 0 | |
| 453 | 1545 | Cerro Prieto II | CPE | 10,000 | 210,000 | Geo | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 26 | 0 | 6 | FALSE | 0 | |
| 454 | 1546 | Cerro Prieto III | CPE | 10,000 | 210,000 | Geo | 21 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/2/1980 | 1/1/1980 | 0 | | | AREA | 26 | 0 | 6 | FALSE | 0 | |
| 455 | 630 | Joffre CCCC | ATCO-EPCOR+NOVA Chemicals | 5,000 | 474,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 456 | 631 | Redwater GTCC | TransCanada | 5,000 | 40,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 457 | 1334 | Primmose GT | ATCO Power (PPP) | 6,860 | 64,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 458 | 632 | Fort Saskatchewan GTCC | TransCanada | 5,000 | 46,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 459 | 633 | Fort Saskatchewan GTCC | TransAlta | 5,000 | 80,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 460 | 635 | Edmonton GTCC | U of A | 5,000 | 25,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 461 | 641 | Scottford Shell GTCC | Air Liquide | 5,000 | 82,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 462 | 637 | Poplar Creek CCCC | TransAlta | 6,500 | 175,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 463 | 639 | Muskeg River CCCC | Shell/ATCO | 6,500 | 85,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 464 | 629 | Balzac GTCC | PanCanadian Petroleum + Canadi | 6,800 | 106,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 465 | 644 | Carseland GT1 | TransCanada | 7,000 | 40,500 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 466 | 638 | Poplar Creek CCCC2 | TransAlta | 7,500 | 185,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 467 | 634 | Fort Saskatchewan GTCC | TA/Air Liquide | 8,000 | 40,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 468 | 3550 | Horizon Upgrading | GTCC2 | 8,500 | 86,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 6/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 469 | 3551 | Horizon Upgrading | | 8,500 | 15,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 6/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 470 | 3552 | Conklin | | 8,500 | 85,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 471 | 3549 | Horizon Upgrading | | 8,500 | 86,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 472 | 643 | Calgary Energy Centre CC | Calpine | 8,500 | 250,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 473 | 642 | Bear Creek CCCC | | 8,800 | 80,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 474 | 654 | Muskeg River CCCC2 | ATCO/Shell | 8,800 | 85,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 475 | 656 | Scottford CCCC | | 8,800 | 170,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 476 | 639 | Poplar Hill GT | ATCO Power | 9,000 | 45,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 477 | 658 | Vallentyne GTCC | ATCO Power (PPP) | 9,000 | 45,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 478 | 647 | Elmworth IC | Northstone Power Corp. | 9,500 | 3,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 4/1/2003 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 479 | 645 | Cavalier CC | PanCanadian | 9,500 | 105,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 2/22/2002 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 480 | 640 | Flare Gas plants | Columbia Power Systems | 9,500 | 20,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 481 | 648 | Fort Macleod GTCC | | 10,000 | 55,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 4/1/2003 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 482 | 722 | Coolidge ICs | | 10,000 | 6,240 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 2/22/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 483 | 723 | Fort Macleod ICs | | 10,000 | 4,160 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 6/15/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 484 | 646 | Drywood Expansion STCC | Canadian Gas & Electric | 10,000 | 7,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 485 | 649 | Foster Creek GTCC | | 10,000 | 80,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 486 | 720 | Burdett IC2 | | 10,000 | 7,280 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 487 | 721 | Carseland GT2 | TransCanada Energy | 10,000 | 40,500 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 488 | 636 | Fort Nelson GT | TransAlta | 10,000 | 45,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 489 | 650 | MacKay River | | 10,000 | 165,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 490 | 651 | Mahkesses Cold Lake GT1 | | 10,000 | 95,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 491 | 652 | Mahkesses Cold Lake GT2 | | 10,000 | 95,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 492 | 657 | Sturgeon GTCC3 | ATCO | 10,000 | 46,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 493 | 659 | Sturgeon GTCC1 | ATCO | 10,000 | 10,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 494 | 660 | Sturgeon GTCC2 | | 10,000 | 8,000 | gs_AB | 23 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 495 | 655 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | | | |
|---|-----|------|---------------------------------|--------------------------------|---------------|-----------|-------|-----------------------|-------------------------|---------------------------|----------------------|---------------|----------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|-------|------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Csts (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop | | |
| | 528 | 709 | Chuck Lenzie Generating Station | Nevada Power Company | 7,000 | 1,200,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL | |
| | 529 | 674 | Arizona Station CC | Arizona Electric Power Coopera | 7,800 | 81,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 530 | 691 | Yuma GT2C2 | Yuma Cogen Assoc | 8,000 | 17,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 531 | 707 | West Phoenix CC4 | AFS-Calpine | 8,000 | 120,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 532 | 708 | West Phoenix CC5 | AFS-Calpine | 8,000 | 500,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 533 | 3537 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 534 | 3538 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 535 | 3539 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 536 | 3540 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 537 | 3541 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 538 | 3542 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 539 | 3543 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 540 | 3544 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 541 | 3533 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 542 | 3534 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 543 | 3535 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 544 | 3536 | Clark | | 8,500 | 52,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 545 | 3531 | Unidentified | | 8,500 | 45,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 546 | 3532 | Unidentified | | 8,500 | 45,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 547 | 694 | Arlington Valley CC1 | Duke Energy NA | 8,500 | 580,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 548 | 707 | Harquahala CC1 | PG&E NEG | 8,500 | 520,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 549 | 688 | Santan CC3 | Harquahala Generatin | 8,650 | 85,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 550 | 689 | Santan CC4 | Salt River Project - AZ | 8,777 | 85,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 551 | 687 | Santan CC2 | Salt River Project - AZ | 8,894 | 81,000 | gs_AZ | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 552 | 693 | Apex Industrial CC1 | Mirant | 9,000 | 550,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 553 | 675 | West Phoenix CC1 | Arizona Public Service Company | 9,201 | 97,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 554 | 676 | West Phoenix CC2 | Arizona Public Service Company | 9,201 | 97,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 555 | 677 | West Phoenix CC3 | Arizona Public Service Company | 9,201 | 97,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 556 | 686 | Santan CC1 | Salt River Project - AZ | 9,276 | 86,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 557 | 763 | Irvington ST1 | Tucson Electric Power Company | 9,864 | 81,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 558 | 680 | West Phoenix ST4 | | 10,000 | 33,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 559 | 681 | West Phoenix ST6 | | 10,000 | 63,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 560 | 682 | Crosscut ST1 | | 10,000 | 8,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 561 | 683 | Crosscut ST2 | | 10,000 | 8,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 562 | 684 | Crosscut ST3 | | 10,000 | 8,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 563 | 685 | Crosscut ST4 | | 10,000 | 8,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 564 | 732 | Apache Station GT4 | | 10,000 | 40,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 565 | 740 | Saguaro GT3 | | 10,000 | 80,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 566 | 762 | DeMoss Petric GT12 | | 10,000 | 75,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 567 | 746 | Valencia IC1 | | 10,000 | 1,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 568 | 747 | Valencia IC2 | | 10,000 | 1,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 569 | 748 | Valencia IC3 | | 10,000 | 1,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | FALSE | FUEL |
| | 570 | 749 | Valencia IC4 | | 10,000 | 1,000 | gs_AZ | 12 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|------|-----------------------------|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 602 | 679 | West Phoenix GT2 | Arizona Public Service Company | 13,965 | 67,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 603 | 750 | Yuma Axis GT1 | Imperial Irrigation District - | 14,100 | 20,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 604 | 742 | Yucca GT2 | Arizona Public Service Company | 14,137 | 22,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 605 | 735 | Ocotillo GT1 | Arizona Public Service Company | 14,312 | 67,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 606 | 730 | Apache Station GT2 | Arizona Electric Power Coopera | 14,362 | 20,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 607 | 741 | Yucca GT1 | Arizona Public Service Company | 14,667 | 22,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 608 | 766 | Irvington GT1 | Tucson Electric Power Company | 15,000 | 24,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 609 | 767 | Irvington GT2 | Tucson Electric Power Company | 15,000 | 25,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 610 | 768 | North Loop GT1 | Tucson Electric Power Company | 15,000 | 25,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 611 | 769 | North Loop GT2 | Tucson Electric Power Company | 15,000 | 25,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 612 | 770 | North Loop GT3 | Tucson Electric Power Company | 15,000 | 23,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 613 | 745 | Valencia GT1 | Citizens Utilities Company - A | 15,445 | 15,800 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 614 | 1516 | Ocotillo GT2 | Arizona Public Service Company | 15,873 | 67,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC070 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 615 | 1518 | Valencia GT3 | Citizens Utilities Company - A | 15,957 | 16,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 616 | 1517 | Valencia GT2 | Citizens Utilities Company - A | 16,647 | 15,800 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 617 | 673 | Eldorado 1 CC | Reliant Energy + Sempra Energy | 5,000 | 492,000 | gs_AZ | 12 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 618 | 1310 | Burrard Thermal ST1 | British Columbia Hydro & Power | 10,000 | 152,000 | gs_BC | 22 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 6/1/2004 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 619 | 1311 | Burrard Thermal ST2 | British Columbia Hydro & Power | 10,000 | 152,000 | gs_BC | 22 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 620 | 1312 | Burrard Thermal ST3 | British Columbia Hydro & Power | 10,000 | 152,000 | gs_BC | 22 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 621 | 1317 | Rupert GT2 | British Columbia Hydro & Power | 10,000 | 23,000 | gs_BC | 22 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 622 | 1316 | Rupert GT1 | British Columbia Hydro & Power | 10,800 | 23,000 | gs_BC | 22 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 623 | 1313 | Burrard Thermal ST4 | British Columbia Hydro & Power | 12,500 | 152,000 | gs_BC | 22 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 624 | 1314 | Burrard Thermal ST5 | British Columbia Hydro & Power | 12,500 | 152,000 | gs_BC | 22 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 625 | 1315 | Burrard Thermal ST6 | British Columbia Hydro & Power | 12,500 | 152,000 | gs_BC | 22 | yr_NGVMOM2 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 626 | 952 | Neil Simpson II GT1 | Black Hills Corp | 8,500 | 42,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 627 | 946 | Barber Creek GT2 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 9/24/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 628 | 947 | Barber Creek GT3 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 9/24/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 629 | 948 | Hartzog GT1 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 9/24/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 630 | 943 | Arvada GT2 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 9/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 631 | 944 | Arvada GT3 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 9/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 632 | 945 | Barber Creek GT1 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 9/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 633 | 949 | Hartzog GT2 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 6/18/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 634 | 950 | Hartzog GT3 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 6/18/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 635 | 951 | Lange GT | Black Hills Corp | 10,000 | 40,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 636 | 953 | Gillette GT | Black Hills Corp | 10,000 | 42,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 637 | 942 | Arvada GT1 | Black Hills Corp | 10,000 | 5,000 | gs_CO | 9 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 638 | 962 | Thermo Carbonic CCGC | Public Service Company of Colo | 8,000 | 158,900 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 639 | 956 | Brush 1 GTCC | Public Service Company of Colo | 8,000 | 88,000 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 640 | 963 | Thermo Ft Lupton GTCC | Public Service Company of Colo | 8,000 | 36,100 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 641 | 964 | Thermo Industries GTCC | Public Service Company of Colo | 8,000 | 123,200 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 642 | 965 | University of Colorado GTCC | Public Service Company of Colo | 8,000 | 15,900 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 643 | 972 | Rocky Mountain Energy Ct | Calpine Corp | 7,000 | 600,000 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 644 | 954 | Front Range Power CC | Calpine Corp | 7,000 | 480,000 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 645 | 969 | Anapahoe CC5 | Calpine Corp | 7,000 | 130,000 | gs_CO | 10 | yr_NGVMOM1 | yr_NGFOM1 | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|------|---------------------|------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|-----------|-------------------------------|----------------------------|---------------------|-------------------|---------------|----------------|-------------|---------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Maint Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity (MW) | Ramp Rate (Hr) | Min Up (Hr) | Min Down (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 658 | 2513 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 659 | 2514 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 660 | 2515 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 661 | 2516 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 662 | 2517 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 663 | 2518 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 664 | 2519 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 665 | 2520 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 666 | 2521 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 667 | 2522 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 668 | 2523 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 669 | 2524 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 670 | 2525 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 671 | 2526 | Plains End II | | 8,500 | 8,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 672 | 971 | Fountain Valley GT1 | Black Hills | 8,500 | 40,000 | gs_CO | 10 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 673 | 967 | Pueblo S15 | | 10,000 | 9,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 674 | 1405 | Trinidad ST3 | | 10,000 | 2,900 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 675 | 1406 | Brighton GT2 | | 10,000 | 71,100 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 676 | 1409 | Limon GT2 | | 10,000 | 70,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 677 | 1410 | Limon GT1 | | 10,000 | 70,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 678 | 1412 | Pueblo IC6 | | 10,000 | 10,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 679 | 1413 | Valmont GT8 | | 10,000 | 40,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 680 | 1414 | Blue Spruce GT1 | | 10,000 | 150,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 681 | 1415 | Blue Spruce GT2 | | 10,000 | 150,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 682 | 1416 | Brush #4 GT1 | | 10,000 | 34,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 683 | 1417 | Brush #4 GT2 | | 10,000 | 34,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 684 | 1418 | Brush IV GT1 | | 10,000 | 89,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 685 | 1419 | Brush IV GT2 | | 10,000 | 89,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 686 | 1381 | Ray D Nixon GT1 | | 10,000 | 37,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 687 | 1382 | Ray D Nixon GT2 | | 10,000 | 37,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 688 | 1383 | SECC IC1 | | 10,000 | 1,500 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 689 | 1392 | Rawhide GT-A | | 10,000 | 65,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 690 | 1393 | Rawhide GT-B | | 10,000 | 65,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 691 | 1394 | Rawhide GT-C | | 10,000 | 65,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 692 | 1397 | Burlington GT1 | | 10,000 | 60,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 693 | 1398 | Burlington GT2 | | 10,000 | 60,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 694 | 1407 | Brighton GT1 | | 10,000 | 71,100 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 695 | 1420 | Manchef GT1 rerated | | 10,000 | 156,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 696 | 1421 | Manchef GT2 rerated | | 10,000 | 156,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 697 | 1422 | Plains End IC1-20 | | 10,000 | 108,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 698 | 1423 | Fountain Valley GT2 | Black Hills Corp | 10,000 | 40,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 699 | 1424 | Fountain Valley GT3 | Black Hills Corp | 10,000 | 40,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 700 | 1425 | Fountain Valley GT4 | Black Hills Corp | 10,000 | 40,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 701 | 1426 | Fountain Valley GT5 | Black Hills Corp | 10,000 | 40,000 | gs_CO | 10 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31 | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|------|-----------------------------|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 735 | 725 | Rupert CCGG | Idaho Power Company - ID | 8,000 | 10,300 | gs_ID | 6 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 736 | 726 | Simplot GTGC | Idaho Power Company - ID | 8,000 | 15,900 | gs_ID | 6 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | nn_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 737 | 826 | Bix Hamanoff CC | TransAlta | 7,000 | 248,000 | gs_NC | 1 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 738 | 825 | Albany CC | TransAlta | 7,500 | 22,000 | gs_NC | 1 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 739 | 824 | Hermiston Generating CCGG | PacificCorp | 8,800 | 256,000 | gs_NC | 1 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 740 | 902 | Silver Hawk Power Plant | Pinnacle West Energy | 7,000 | 570,000 | gs_NC | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 741 | 900 | Redhawk CC1 | APS/Reliant | 8,500 | 530,000 | gs_NC | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 742 | 901 | Redhawk CC2 | APS/Reliant | 8,500 | 530,000 | gs_NC | 12 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 743 | 892 | Moss Landing CC2 | Duke | 7,100 | 530,000 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 5/1/2002 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 744 | 891 | Moss Landing CC1 | Duke | 7,100 | 530,000 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 6/1/2001 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 745 | 833 | Santa Clara GTGC1 | Santa Clara CA, City of | 7,200 | 2,600 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | nn_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 746 | 834 | Santa Clara GTGC2 | Santa Clara CA, City of | 7,200 | 2,600 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | nn_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 747 | 1258 | Crockett GTGC | Pacific Gas & Electric Company | 8,000 | 253,700 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 748 | 1259 | Gilroy CCGG | Pacific Gas & Electric Company | 8,000 | 127,000 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 749 | 849 | CSU Humboldt | | 5,000 | 350 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/30/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 750 | 886 | Lassen (Shasta Mill) GTGC | Wheelabrator-Lassen | 5,000 | 41,200 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 751 | 859 | UC Berkeley CCGG | PE - Berkeley, Inc (Lessee) | 5,000 | 25,500 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 8/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 752 | 841 | C & H Sugar GTGC | | 5,000 | 12,400 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 753 | 842 | California Medical Facility | | 5,000 | 1,500 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 754 | 843 | Watsonville CCGG | CALPINE | 5,000 | 27,700 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 755 | 844 | Cardinal CCGG | Stanford University | 5,000 | 50,000 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 756 | 845 | Concord GTGC1 | CHEVRON U.S.A | 5,000 | 500 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 757 | 850 | FW Martinec CCGG | FOSTER WHEELER POWER SYSTEMS, | 5,000 | 105,000 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 758 | 855 | Mule Creek State Prison | LOUISIANA PACIFIC CORPORATION | 5,000 | 3,000 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 759 | 858 | Oroville ICGG | LOUISIANA PACIFIC CORPORATION | 5,000 | 8,500 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 760 | 863 | Rhone-Poulenc | | 5,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 761 | 864 | Richmond GTGC1 | CHEVRON U.S.A | 5,000 | 6,300 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 762 | 866 | Ripon Mill GTGC | Ripon Cogeneration, Inc | 5,000 | 47,600 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 763 | 871 | San Joaquin GTGC | SAN JOAQUIN COGEN LTD | 5,000 | 46,900 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 764 | 872 | San Joaquin GTGC1 | SAN JOAQUIN COGEN LTD | 5,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 765 | 873 | San Jose GTGC | | 5,000 | 100 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 766 | 876 | Santa Cruz Cogen | | 5,000 | 2,635 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 767 | 879 | SRI Int GTGC | | 5,000 | 900 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 768 | 880 | Stockton WWTP | | 5,000 | 1,350 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 769 | 881 | Summit Medical Cogeneration | | 5,000 | 2,860 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 770 | 883 | United CCGG | United Airlines SFONU | 5,000 | 29,100 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 771 | 884 | USF CCGG | | 5,000 | 0 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 772 | 887 | Yountville Cogen | | 5,000 | 3,000 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 773 | 888 | Yuba City GTGC | YUBA CITY COGEN | 5,000 | 47,900 | gs_NC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 774 | 838 | Borden Chemical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|------|------------------------|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|---------------|-----------|-------------|---------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity (MW) | Ramp Rate | Min Up (Hr) | Min Down (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 805 | 3465 | Humboldt Repower | | 7,200 | 162,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 806 | 3466 | Bullard EC | | 7,200 | 201,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 807 | 3467 | Russell City EC Exp. | | 7,200 | 245,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 808 | 3468 | Wellhead McCall | | 7,200 | 300,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 809 | 3472 | East Altamont Op2 | | 7,200 | 531,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 810 | 3473 | Lawton Vly | | 7,200 | 791,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 811 | 3475 | Tesla Sub | | 7,200 | 1,156,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 812 | 828 | Woodland CC2 | | 7,500 | 80,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 813 | 830 | Redding Power CC | | 7,500 | 54,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 814 | 829 | Lodi CC | Northern California Power Agen | 8,000 | 52,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 815 | 865 | Richmond GTCCG2 | Chevron USA | 8,000 | 6,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 816 | 869 | SF Refinery GTCCG2 | Tosco Refining | 8,000 | 1,600 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 817 | 835 | Almond CC | Turlock Irrigation District - | 8,000 | 49,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 818 | 846 | Concord GTCCG2 | Chevron USA | 8,000 | 300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 819 | 870 | SF Refinery GTCCG3 | Tosco Refining | 8,000 | 1,600 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 820 | 1292 | Pacific Lumber 2 | Pacific Lumber Company | 8,000 | 10,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 821 | 1297 | San Joaquin GTCCG3 | JRW & Associates | 8,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 822 | 1298 | San Joaquin GTCCG4 | JRW & Associates | 8,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 823 | 1299 | San Joaquin GTCCG5 | JRW & Associates | 8,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 824 | 1300 | San Joaquin GTCCG6 | JRW & Associates | 8,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 825 | 1255 | American CCCC | Pacific Gas & Electric Company | 8,000 | 133,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 826 | 1296 | San Joaquin GTCCG2 | JRW & Associates | 8,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 827 | 1301 | San Joaquin GTCCG7 | JRW & Associates | 8,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 828 | 1302 | San Joaquin GTCCG8 | JRW & Associates | 8,000 | 1,300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 829 | 3460 | Eastshore EF | | 8,500 | 118,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 830 | 3457 | Henrietta II | | 8,500 | 97,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 831 | 3455 | S Kern Front CG | | 8,500 | 94,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 9/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 832 | 3450 | SF Airport | | 8,500 | 49,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 833 | 3451 | Wellhead Firebaugh | | 8,500 | 50,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 834 | 3452 | Wellhead Lathrop | | 8,500 | 60,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 835 | 3456 | Ripon Exp | | 8,500 | 97,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 836 | 3458 | RMI Plant | | 8,500 | 100,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 837 | 3453 | Rocklin Peaker | | 8,500 | 117,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 838 | 3461 | Marwood Power | | 8,500 | 119,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 839 | 3447 | Lidson Repower | | 8,500 | 22,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 840 | 3448 | Roseville EP | | 8,500 | 43,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 841 | 3449 | Roseville FP | | 8,500 | 43,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 842 | 3453 | Fresno CG Exp | | 8,500 | 73,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 843 | 3454 | Roseville EP | | 8,500 | 30,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 844 | 3446 | Liberty V Lost Hills | | 8,500 | 20,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 7/1/1905 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 845 | 854 | Martinez Refining CCCC | | 8,800 | 300 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 846 | 1263 | Moss Landing ST6 | Pacific Gas & Electric Company | 8,882 | 816,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 847 | 1264 | Moss Landing ST7 | Pacific Gas & Electric Company | 8,981 | 815,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 848 | 1277 | Woodland CC1 | Modesto Irrigation District - | 9,200 | 49,000 | gs_NC | 16 | yr_NGVOM | yr_NGVOM | nn_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 8/27/2001 | 12/31/2053 | mm_WPC095 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 849 | 1256 | Contra Costa ST6 | Pacific Gas & Electric Company | 9,385 | 336,000 | gs_NC | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|-----|------|--|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|---------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Mnt Run | Start Up Csts (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 883 | 1303 | Tracy GT1 | | 10,000 | 84,500 | gs_NC | 16 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 884 | 1305 | Vaca-Dixon GT | | 10,000 | 49,000 | gs_NC | 16 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 885 | 1306 | Wolfkill GT | | 10,000 | 45,000 | gs_NC | 16 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 886 | 1307 | Yuba City GT | | 10,000 | 48,700 | gs_NC | 16 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 887 | 1308 | Gibby GT2 | Calpine | 10,000 | 48,700 | gs_NC | 16 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 888 | 1269 | Redding Power ST1 | Redding CA, City of | 11,100 | 28,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 889 | 1260 | Humboldt Bay ST1 | Pacific Gas & Electric Company | 11,913 | 53,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 8/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 890 | 1270 | Redding Power GT2 | Redding CA, City of | 12,000 | 18,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 891 | 1271 | Redding Power GT3 | Redding CA, City of | 12,000 | 24,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 892 | 1272 | Redding Power GT4 | Redding CA, City of | 12,000 | 24,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 893 | 1276 | Walnut GT1 | Turlock Irrigation District - | 12,300 | 25,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 894 | 1277 | Walnut GT2 | Turlock Irrigation District - | 12,300 | 25,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 895 | 1261 | Humboldt Bay ST2 | Pacific Gas & Electric Company | 12,352 | 53,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 8/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 897 | 1274 | Gianera GT1 | Santa Clara CA, City of | 12,680 | 25,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 897 | 1275 | Gianera GT2 | Santa Clara CA, City of | 12,680 | 25,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 898 | 1252 | McClure GT1 | Modesto Irrigation District - | 12,829 | 61,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 899 | 1253 | McClure GT2 | Modesto Irrigation District - | 12,829 | 61,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 900 | 1273 | McClellan GT rerated | Sacramento Municipal Utility D | 13,695 | 72,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 901 | 1254 | Lodi GT | Northern California Power Agen | 14,650 | 25,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 4/15/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 902 | 1524 | Roseville GT1 | Northern California Power Agen | 15,750 | 25,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 10/16/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 903 | 1525 | Roseville GT2 | Northern California Power Agen | 15,750 | 25,000 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 904 | 1522 | Alameda GT1 | Northern California Power Agen | 16,500 | 24,600 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 905 | 1523 | Alameda GT2 | Northern California Power Agen | 16,500 | 25,300 | gs_NC | 16 | yr_NGVOM2 | yr_NGFOM2 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 906 | 896 | La Paloma CCI | PG&E Corp | 6,800 | 262,000 | gs_NC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 10/16/2001 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 907 | 899 | Tulare Co Correctional Center | | 8,000 | 550 | gs_NC | 18 | yr_NGVOM1 | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 908 | 898 | NTC/MCRD Steam Turbine | SITHE/ENERGIES GROUP | 10,000 | 2,580 | gs_NC | 18 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 3/31/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 909 | 897 | El Secco CCG2 | Chevron Products Company / Gov | 10,000 | 2,700 | gs_NC | 18 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 910 | 718 | Las Cruces Merchant Plant | Energy Southwest | 7,000 | 215,000 | gs_NM | 11 | yr_NGVOM | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 911 | 719 | Luna Energy Facility (formerly Deming) | PNM+TEP+PhelpsDodge | 7,000 | 570,000 | gs_NM | 11 | yr_NGVOM | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 912 | 3529 | Valencia CC | | 7,200 | 140,000 | gs_NM | 11 | yr_NGVOM | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 913 | 714 | Animas GC | Farmington NM, City of | 8,000 | 25,000 | gs_NM | 11 | yr_NGVOM | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 914 | 3530 | Newman | | 8,500 | 70,000 | gs_NM | 11 | yr_NGVOM | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 915 | 822 | Delta-Person GT | Delta Energy+John Hancock Life | 8,750 | 140,000 | gs_NM | 11 | yr_NGVOM | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 916 | 1520 | Newman CC | El Paso Electric Company | 8,800 | 240,000 | gs_NM | 11 | yr_NGVOM | yr_NGFOM | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 917 | 715 | Raton ST3 | | 10,000 | 1,800 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 5/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 918 | 716 | Milagro GTCCG1 | | 10,000 | 28,200 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 919 | 717 | Milagro GTCCG2 | | 10,000 | 28,200 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 920 | 823 | Hidalgo Peaking plant | Public Service | 10,000 | 80,000 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 921 | 809 | Altom GT (pre-CC) | | 10,000 | 135,000 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 922 | 815 | Pyramid GT1 | | 10,000 | 40,000 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 923 | 816 | Pyramid GT2 | | 10,000 | 40,000 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 924 | 817 | Pyramid GT3 | | 10,000 | 40,000 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 925 | 818 | Pyramid GT4 | | 10,000 | 40,000 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 926 | 810 | Lordsburg GT1 | | 10,000 | 40,000 | gs_NM | 11 | yr_NGVOM1 | yr_NGFOM1 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | </ | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|-----|------|------------------------|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Cwts (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 943 | 666 | Copper GT | El Paso Electric Company | 15,800 | 71,000 | gs_NM | 11 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mn_WPC098 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 944 | 786 | Las Vegas GTGC | Nevada Power Company - NV | 8,000 | 65,900 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 945 | 787 | Nevada Cogen #1 GTGC | Nevada Power Company - NV | 8,000 | 85,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 946 | 788 | Nevada Cogen #2 GTGC | Nevada Power Company - NV | 8,000 | 85,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 947 | 793 | Sunrise ST1 | Nevada Power Company - NV | 8,000 | 80,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 11/21/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 948 | 789 | Saguaro GTGC | Nevada Power Company - NV | 8,000 | 90,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 949 | 710 | Las Vegas II CCCC61 | Nevada Power Company - NV | 8,800 | 115,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 950 | 711 | Las Vegas II CCCC62 | Nevada Power Company - NV | 8,800 | 115,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 951 | 783 | Clark CC09 | Nevada Power Company - NV | 8,800 | 233,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 952 | 784 | Clark CC10 | Nevada Power Company - NV | 8,800 | 233,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 953 | 781 | Clark ST02 | Nevada Power Company - NV | 10,350 | 69,000 | gs_NV | 12 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 954 | 780 | Clark ST01 | Nevada Power Company - NV | 11,100 | 42,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 955 | 782 | Clark ST03 | Nevada Power Company - NV | 11,400 | 70,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 956 | 792 | Sun-Peak GT3 | Nevada Power Company - NV | 12,300 | 70,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 11/21/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 957 | 790 | Sun-Peak GT1 | Nevada Power Company - NV | 12,300 | 70,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 958 | 791 | Sun-Peak GT2 | Nevada Power Company - NV | 12,300 | 70,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 959 | 779 | Allen GT1 | Nevada Power Company - NV | 12,500 | 76,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 960 | 785 | Clark GT04 | Nevada Power Company - NV | 13,000 | 59,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 961 | 794 | Sunrise GT2 | Nevada Power Company - NV | 13,100 | 76,000 | gs_NV | 12 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 11/21/2001 | 12/31/2053 | mn_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 962 | 713 | Spark Western 102 | Barrick Gold Corp | 7,000 | 114,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 963 | 3548 | Tracy CC | | 7,200 | 514,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 3/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 964 | 712 | TRI-Center GT1 | Nanawa Energy | 8,500 | 60,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 965 | 802 | TRI-Center GT2 | Nanawa Energy | 10,000 | 60,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 966 | 803 | TRI-Center GT3 | Nanawa Energy | 10,000 | 60,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 967 | 804 | TRI-Center GT4 | Nanawa Energy | 10,000 | 60,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 968 | 805 | TRI-Center GT5 | Nanawa Energy | 10,000 | 60,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 969 | 806 | TRI-Center GT6 | Nanawa Energy | 10,000 | 60,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 970 | 795 | Fort Churchill ST1 | Sierra Pacific Power Company - | 10,183 | 113,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 971 | 796 | Fort Churchill ST2 | Sierra Pacific Power Company - | 10,295 | 113,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 972 | 797 | Tracy ST3 | Sierra Pacific Power Company - | 10,423 | 108,000 | gs_NV | 14 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas1 | mn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 973 | 801 | Tracy ST2 | Sierra Pacific Power Company - | 11,066 | 83,000 | gs_NV | 14 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 974 | 799 | Clark Mtn GT3 | Sierra Pacific Power Company - | 11,819 | 84,000 | gs_NV | 14 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mn_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 975 | 798 | Clark Mtn GT4 | Sierra Pacific Power Company - | 11,971 | 83,000 | gs_NV | 14 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mn_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 976 | 800 | Tracy ST1 | Sierra Pacific Power Company - | 12,220 | 53,000 | gs_NV | 14 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 977 | 1519 | Winnemucca GT | Sierra Pacific Power Company - | 15,900 | 15,000 | gs_NV | 14 | yr_NGVM02 | yr_NGFM02 | mn_FOR_Gas2 | mn_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mn_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 978 | 921 | Klamath CCCC | Merchant | 6,870 | 550,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | 25 | 25 | 1 | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 979 | 903 | James River Wauna GTGC | Bonerville Power Administrato | 4,500 | 27,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 980 | 906 | James River Camas GTGC | PacificCorp | 6,500 | 52,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 981 | 922 | Rathdrum CC | Cogenrix - Avista | 6,800 | 270,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 982 | 941 | Gouldendale | Tractebel | 7,000 | 248,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 983 | 928 | Frederickson CC | Westcoast Energy/EPCOR dba Fre | 7,000 | 249,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 984 | 904 | River Road CC | Clark Public Utilities - WA | 7,000 | 248,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 985 | 932 | Hermiston Power CCCC | Calpine, dba Hermiston Power | 7,000 | 530,000 | gs_NW | 1 | yr_NGVM01 | yr_NGFM01 | mn_FOR_Gas0 | mn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 986 | 939 | Coyote Springs II CC | Avista Utilities dba Coyote Sp | 7,000</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|------|------|--------------------------|---------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 998 | 915 | Tenasuka Washington GTCG | Puget Sound Energy - WA | 8,000 | 283,300 | gs_NW | 1 | yr_NGVOMI | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 999 | 907 | Beaver CC | Portland General Electric Comp | 9,200 | 536,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1000 | 926 | Equilon GT | | 10,000 | 38,500 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 4/1/2003 | 12/31/2053 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1001 | 927 | Finley GT | | 10,000 | 27,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 4/1/2003 | 12/31/2053 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1002 | 908 | Beaver GT3 | | 10,000 | 24,500 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/1/2001 | 12/31/2053 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1003 | 919 | Fredonia GT3 | | 10,000 | 53,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1004 | 920 | Fredonia GT4 | | 10,000 | 53,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1005 | 929 | Georgia Pacific GT | | 10,000 | 10,700 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1006 | 930 | Grays Harbor GT1 | | 10,000 | 11,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1007 | 931 | Grays Harbor GT2 | | 10,000 | 11,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1008 | 916 | Boulder Park GT1-6 | | 10,000 | 24,600 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1009 | 917 | Kettle Falls GT | | 10,000 | 6,500 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1010 | 918 | Northeast GT | | 10,000 | 69,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1011 | 923 | Springfield ICs | Springfield Utility Board | 10,000 | 9,500 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1012 | 924 | Albany GT | | 10,000 | 6,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1013 | 925 | Alden Bailey GT | | 10,000 | 10,700 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1014 | 933 | Hermiston Power GT | Calpine | 10,000 | 100,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1015 | 934 | Morrow Power GT | | 10,000 | 24,900 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1016 | 935 | Okanogan ICs | | 10,000 | 26,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1017 | 936 | Pasco GT1 | | 10,000 | 11,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1018 | 937 | Pasco GT2 | | 10,000 | 11,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1019 | 938 | Randolph Rd ICI-20 | | 10,000 | 32,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC105 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1020 | 1336 | Frederickson GT1 | Puget Sound Energy - WA | 10,600 | 89,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1021 | 1337 | Frederickson GT2 | Puget Sound Energy - WA | 10,600 | 89,000 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1022 | 1340 | Whitehorn GT2 | Puget Sound Energy - WA | 10,600 | 88,900 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1023 | 1341 | Whitehorn GT3 | Puget Sound Energy - WA | 10,600 | 88,900 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1024 | 1338 | Fredonia GT1 | Puget Sound Energy - WA | 10,711 | 123,600 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1025 | 1339 | Fredonia GT2 | Puget Sound Energy - WA | 10,711 | 123,600 | gs_NW | 1 | yr_NGVOMI | yr_NGFOMI | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1028 | 3439 | Mint Farm | | 7,200 | 219,000 | gs_NW | 2 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 2/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1027 | 3440 | Mint Farm | | 7,200 | 157,000 | gs_NW | 2 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 2/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1028 | 3441 | Port Westward | | 7,200 | 259,500 | gs_NW | 2 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1029 | 3442 | Port Westward | | 7,200 | 132,500 | gs_NW | 2 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1030 | 663 | McMahon GTCG1 | Westcoast Energy (selling to T | 5,000 | 50,000 | gs_NW | 22 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1031 | 661 | West Coast Energy GTCG1 | British Columbia Hydro & Power | 6,500 | 50,000 | gs_NW | 22 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1032 | 665 | Island CCCC | Calpine purchase from Westcoast | 7,000 | 250,000 | gs_NW | 22 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1033 | 662 | West Coast Energy GTCG2 | Taylor BC | 8,000 | 50,000 | gs_NW | 22 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1034 | 664 | McMahon GTCG2 | ATCO/Westcoast | 8,000 | 50,000 | gs_NW | 22 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1035 | 1251 | Yuma GTCG1 | San Diego Gas & Electric Compa | 8,000 | 36,000 | gs_SC | 12 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1036 | 977 | Sunnyside GTCG | | 5,000 | 5,800 | gs_SC | 16 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|------|------|-----------------------------------|--------------------------------|---------------------|---------------|-------|----------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1066 | 1011 | Midway-Sunset GTCCG | Midway-Sunset Cogeneration | 8,000 | 68,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1067 | 1022 | Sycamore GTCCG2 | Sycamore Cogeneration | 8,000 | 74,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1068 | 1023 | Sycamore GTCCG3 | Sycamore Cogeneration | 8,000 | 74,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1069 | 1024 | Sycamore GTCCG4 | Sycamore Cogeneration | 8,000 | 74,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1070 | 1035 | Coalinga 25D GTCCG2 | Chevron USA | 8,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1071 | 1036 | Coalinga 25D GTCCG3 | Chevron USA | 8,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1072 | 1037 | Coalinga 25D GTCCG4 | Chevron USA | 8,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1073 | 1038 | Coalinga 6C GTCCG1 | Chevron USA | 8,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1074 | 1039 | Coalinga 6C GTCCG2 | Chevron USA | 8,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1075 | 1046 | ARCO Fee A GTCCG2 | ARCO | 8,000 | 3,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1076 | 1049 | ARCO Fee C GTCCG2 | ARCO | 8,000 | 3,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1077 | 1055 | Monarch GTCCG2 | Monarch Cogeneration | 8,000 | 7,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1078 | 1070 | Kern River Eastridge GTCCG2 | Chevron USA | 8,000 | 17,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1079 | 1072 | Taft 26C GTCCG2 | Chevron USA | 8,000 | 800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1080 | 1073 | Taft 26C GTCCG3 | Chevron USA | 8,000 | 1,200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1081 | 1074 | Taft 26C GTCCG4 | Chevron USA | 8,000 | 800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1082 | 1079 | Coalinga FC GTCCG2 | Aera Energy | 8,000 | 1,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1083 | 1088 | Cymric 31X GTCCG2 | Chevron USA | 8,000 | 1,700 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1084 | 1089 | Cymric 36W GTCCG1 | Chevron USA | 8,000 | 1,600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1085 | 1090 | Cymric 36W GTCCG2 | Chevron USA | 8,000 | 1,600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1086 | 1127 | Kern Front GTCCG2 | El Paso Merchant Energy | 8,000 | 23,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1087 | 1149 | Midcan GTCCG2 | Energy Transfer/Hanover | 8,000 | 22,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1088 | 1181 | Gaviota GTCCG2 | Chevron USA | 8,000 | 2,700 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1089 | 1182 | Gaviota GTCCG3 | Chevron USA | 8,000 | 2,700 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1090 | 1203 | Southeast Kern River GTCCG2 | Texaco | 8,000 | 1,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1091 | 1204 | Southeast Kern River GTCCG3 | Texaco | 8,000 | 1,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1092 | 1218 | McKittrick GTCCG2 | Texaco | 8,000 | 1,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1093 | 1219 | McKittrick GTCCG3 | Texaco | 8,000 | 1,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1094 | 1221 | North Midway GTCCG2 | Texaco | 8,000 | 3,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1095 | 1005 | AES Huntington Beach ST3 repower | AES | 8,200 | 225,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 7/1/2001 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1096 | 1006 | AES Huntington Beach ST4 repower | AES | 8,200 | 225,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 7/1/2001 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1097 | 1115 | Harbor CCGC | ARCO Products | 8,800 | 49,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1098 | 1027 | Watson CCGC3 | ARCO Products | 8,800 | 87,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1099 | 1028 | Watson CCGC4 | ARCO Products | 8,800 | 87,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1100 | 1063 | Carson CCGC | ARCO Products | 8,800 | 49,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1101 | 981 | Magnolia ST3 | 10,000 | 21,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1102 | 1161 | Occidental of Elk Hills GTCCG | 10,000 | 7,600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1103 | 1116 | Harbor GTCCG | 10,000 | 17,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1104 | 1222 | THUMS GTCCG | 10,000 | 47,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1105 | 729 | Encina ST4 | San Diego Gas & Electric Compa | 10,200 | 303,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1106 | 1132 | Loma Linda U CCGC UNIVERSITY | 5,000 | 300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | FUEL | 7/15/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1107 | 1135 | Mariott Hotel & Marina I - North | MARRIOTT ENTERPRISES | 5,000 | 800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/30/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1108 | 1136 | Mariott Hotel & Marina II - South | MARRIOTT ENTERPRISES | 5,000 | 800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 6/30/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1109 | 1206 | Pomona Mill GTCCG | Smurfit Newsprint Corp. | 5,000 | 1,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 5/6/2003 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1110 | 1140 | Mercy Hospital II | MERCY HOSPITAL AND MEDICAL CEN | 5,000 | 800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 3/15/2003 | 12/31/2053 | 0 | FUEL | | | | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|------|------|--------------------------------------|---------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Cwts (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1134 | 1069 | Kern River Estridge GTCCG1 | CHEVRON U.S.A. | 5,000 | 17,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1135 | 1078 | Coolinga 25D GTCCG1 | CHEVRON U.S.A. | 5,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1136 | 1082 | Federal CCGC | SUNLAW ENERGY CORP/COGEN PARTN | 5,000 | 28,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1137 | 1086 | CSU Long Beach Pool | CSU LONG BEACH | 5,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1138 | 1087 | Cymric 31X GTCCG1 | CHEVRON U.S.A. | 5,000 | 1,700 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1139 | 1100 | El Segundo CCGC1 | CHEVRON U.S.A. | 5,000 | 4,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1140 | 1103 | The Episcopal Home | THE EPISCOPAL HOME | 5,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1141 | 1109 | Fresno CCGC | FRESNO COGENERATION PARTNERS | 5,000 | 25,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1142 | 1117 | Henry Mayo Newhall Memorial Hospital | HENRY MAYO NEWHALL MEMORIAL | 5,000 | 450 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1143 | 1118 | High Sierra GTCCG1 | HIGH SIERRA LIMITED | 5,000 | 23,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1144 | 1119 | Hotel del Coronado | HOTEL DEL CORONADO | 5,000 | 800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1145 | 1122 | Index Ontario GTCCG1 | Index Capital, Inc. | 5,000 | 1,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1146 | 1123 | Ontario Mill GTCCG | INLAND CONTAINER CORPORATION | 5,000 | 19,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1147 | 1126 | Kaweah Delta District Hospital | KAWEAH DELTA HOSPITA | 5,000 | 1,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1148 | 1126 | Kern Front GTCCG1 | DESTEC, ATTN: Owner, Kern Fron | 5,000 | 23,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1149 | 1129 | La Canada School | ELIA/ONSITE ENERGY, L.P | 5,000 | 120 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1150 | 1130 | Le Meridian Hotel | ELIA/ONSITE ENERGY, L.P | 5,000 | 600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1151 | 1131 | Live Oak GTCCG | LIVE OAK LIMITED | 5,000 | 47,200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1152 | 1134 | Lundy (Thagard Oil) | LUNDA THAGARD CO. | 5,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1153 | 1137 | McAnally Egg Ranch | MCKINTRECK GTCCG | 5,000 | 120 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1154 | 1138 | McKintreck GTCCG | MCKINTRECK LIMITED | 5,000 | 47,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1155 | 1142 | M H Whittier Cal | FOSS PLATING INC. | 5,000 | 500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1156 | 1143 | Foss Plating | LAKE ARROWHEAD HILTON | 5,000 | 100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1157 | 1144 | Lake Arrowhead Hilton | TRAIN JOHNSON POWER | 5,000 | 280 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1158 | 1145 | Quaker | TRAIN JOHNSON POWER | 5,000 | 100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1159 | 1146 | Safe Plating | Mid-Set Cogeneration Company | 5,000 | 100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1160 | 1147 | Mid-Set GTCCG | LFC Power Systems Corp. | 5,000 | 44,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1161 | 1148 | Midspan GTCCG1 | DYNERGY POWER AND NRG ENERGY. | 5,000 | 20,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1162 | 1150 | Miramar GT | SITHE/ENERGIES GROUP | 5,000 | 39,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1163 | 1153 | North Island EF CCGC | WELPORT | 5,000 | 31,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1164 | 1156 | Welpport | KELCO - DIVISION OF MERCK & CO. | 5,000 | 4,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1165 | 1158 | Kelco GTCCG1 | O'BRIEN CALIFORNIA COGEN LTD | 5,000 | 3,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1166 | 1159 | O'Brien CCGC | OILDALE ENERGY LLC | 5,000 | 33,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1167 | 1162 | Oildale GTCCG | OXNARD HIGH SCHOOL | 5,000 | 33,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1168 | 1163 | Oxnard High School | PROCTER & GAMBLE | 5,000 | 120 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1169 | 1166 | Oxnard GTCCG2 | PALOMAR POMERADO HOSPITAL DIST | 5,000 | 34,700 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1170 | 1169 | Palomar Medical Center | PAPER PAK PRODUCTS | 5,000 | 1,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1171 | 1170 | Paper Pak Products | PCA Metal Finishing | 5,000 | 1,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1172 | 1171 | PCA Metal Finishing | PE Management-Kingsburg, LLC | 5,000 | 100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1173 | 1172 | Kingsburg CCGC | PETROMINERALS CORP | 5,000 | 33,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1174 | 1173 | Petrominerals | PALOMAR POMERADO HOSPITAL DIST | 5,000 | 500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1175 | 1177 | Pomerado Hospital | HOME FED BANK | 5,000 | 350 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1176 | 1184 | Qualcomm | RED LION INN | 5,000 | 2,250 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1177 | 1185 | Red Lion Inn | RHONE-POULENC BASIC CHEMICALS | 5,000 | 460 | gs_SC | 18 | yr_NGVOM | yr_NGFOM</ | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|------|--|--------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Csts (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1187 | 1198 | Santa Barbara County Jail | | 5,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1188 | 1201 | SDSU Main | SAN DIEGO STATE UNIVERSITY | 5,000 | 3,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1189 | 1207 | Hwyatt Regency | | 5,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1190 | 1210 | South Beldridge GTCCG | CAL RESOURCES LLC | 5,000 | 3,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1191 | 1214 | St Luke Medical Center | ORNDNA HEALTH CORPORATION | 5,000 | 1,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1192 | 1215 | Southwest Marine | SOUTHWEST MARINE | 5,000 | 1,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1193 | 1217 | McKittreck GTCCG | | 5,000 | 1,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1194 | 1220 | North Midway GTCCG | Texasco | 5,000 | 3,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1195 | 1223 | TRW | TRW INC. | 5,000 | 1,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1196 | 1225 | Turbine Tech | TURBINE TECHNOLOGY | 5,000 | 150 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1197 | 1226 | Union-Tribune Publishing | COPELY PRESS, INC. | 5,000 | 3,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1198 | 1227 | USD Cogen GTCCG | HAWTHORNE ENGINE SYSTEMS | 5,000 | 0 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1199 | 1228 | Rincon Facility STCG | UNOCAL | 5,000 | 1,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1200 | 1229 | VA Hospital | VA MEDICAL CENTER | 5,000 | 850 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1201 | 1230 | Vanguard (Electronic Plating) | VANGUARD-ELECTR ONIC PLATING | 5,000 | 100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1202 | 1232 | Vintage Petroleum | CONOCO, INC. | 5,000 | 3,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1203 | 1233 | The Wave | | 5,000 | 120 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1204 | 1234 | Westend GTCCG | NORTH AMERICAN CHEMICAL CO. | 5,000 | 1,200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1205 | 1235 | Norwalk CCGC | WHEELABRATOR NORWALK EGY CO | 5,000 | 27,200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1206 | 1033 | 939 Coast Management | ONSTIE ENERGY | 5,000 | 230 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1207 | 1034 | Coalinga CF GTCCG | AERA | 5,000 | 1,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1208 | 1040 | All Metals Processing of Orange County | | 5,000 | 175 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1209 | 1041 | Alliant Food Service | KRAFT FOOD SERVICES | 5,000 | 290 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1210 | 1042 | Holiday Inn Embarcadero | INTEGRATED TOTAL EGY | 5,000 | 297 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1211 | 1043 | American McGaw CCCG | AMERICAN MC GAW | 5,000 | 6,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1211 | 1044 | Anderson Lithograph CCCG | | 5,000 | 3,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1213 | 1048 | ARCO Fee C GTCCG | ARCO | 5,000 | 3,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1214 | 1050 | ARCO Oxford GTCCG | ARCO | 5,000 | 5,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1215 | 1059 | US Borax GTCCG | U.S. BORAX AND CHEMICAL CO. | 5,000 | 29,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1216 | 1060 | Cal Poly Pomona | CAL POLY - POMONA | 5,000 | 115 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1217 | 1066 | CES Energy Alberhill | CES ALBERHILL | 5,000 | 560 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1218 | 1067 | CES Energy Corona | PACIFIC CLAY PRODUCTS | 5,000 | 600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1219 | 1071 | Taft 26C GTCCG | CHEVRON U.S.A. | 5,000 | 1,200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1220 | 1075 | Children's Hospital | CHILDREN'S HOSPITAL & HEALTH C | 5,000 | 1,050 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1221 | 1077 | Claremont Tennis Club | CLAREMONT TENNIS CLUB | 5,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1222 | 1080 | Coalinga GTCCG | COALINGA COGENERATION | 5,000 | 39,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1223 | 1081 | Erne Sanitarium | ST ERNE SANITARIUM | 5,000 | 100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1224 | 1083 | Corona GTCCG | CORONA ENERGY PARTNERS | 5,000 | 36,600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1225 | 1084 | Cotija Cheese | | 5,000 | 120 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1226 | 1085 | CSC Western Center Cogeneration | COMPUTER SCIENCE CORPORATION | 5,000 | 3,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1227 | 1095 | Dexzel CCGT | DIAMOND ENERGY INC. | 5,000 | 31,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1228 | 1096 | Deegon | | 5,000 | 500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1229 | 1097 | Double C GTCCG | DOUBLE "C" LIMITED | 5,000 | 23,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1230 | 1098 | Doubletree Hotel | DOUBLE TREE HOTEL | 5,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1231 | 1099 | El Conquistador | EL CONQUISTADOR/NW MUTUAL LIFE | 5,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| 1 | 2 | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|------|--|--|---------------|---------|-------|-----------------------|-------------------------|---------------------------|----------------------|---------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|----|
| ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop | |
| 1240 | 1112 | Great Western Mailing | | 5,000 | 750 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1241 | 1113 | Grossmont Community College | GROSSMONT HOSPITAL COMM COLLEG | 5,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1242 | 1114 | Grossmont Hospital | GROSSMONT HOSPITAL COMM COLLEG | 5,000 | 1,544 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1243 | 1124 | Vernon GTCC | Jefferson Smurfit Corp. | 5,000 | 40,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1244 | 1133 | Belmont Plaza Pool | CITY OF LONG BEACH | 5,000 | 120 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1245 | 1139 | Medical Center Hospital | WESTNAVFACENCGC OM - CODE 163 | 5,000 | 2,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1246 | 1141 | Metal Surfaces | | 5,000 | 350 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1247 | 1151 | Mojave CCGC | MOJAVE COGENERATION CO | 5,000 | 48,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1248 | 1152 | Municipal Cogen | CITY OF PALM SPRINGS | 5,000 | 1,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1249 | 1154 | NP CCCC | GE Contractual Services | 5,000 | 21,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1250 | 1155 | NTC MCRDP EF CCCC | SITHE/ENERGIES GROUP | 5,000 | 25,200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1251 | 1160 | O'Brien GTCC | | 5,000 | 32,700 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1252 | 1164 | Oxnard WWTP | CITY OF OXNARD | 5,000 | 1,500 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1253 | 1165 | Oxnard GTCCG1 | National Gas & Electric | 5,000 | 13,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1254 | 1167 | Pacific Bell GT | | 5,000 | 4,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1255 | 1168 | Sunrise Plaza | CITY OF PALM SPRINGS | 5,000 | 641 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1256 | 1174 | Pitchess CCGC | Pitchess Cogen, Los Angeles Co | 5,000 | 23,600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1257 | 1175 | Placenta GTCCG1 | ARCO | 5,000 | 20,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1258 | 1176 | Placenta GTCC2 | ARCO WESTERN ENERGY | 5,000 | 20,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1259 | 1179 | Pomona Valley Community Hospital | POMONA VALLEY COMMUNITY HOSPIT | 5,000 | 800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1260 | 1194 | San Diego Power & Cooling | ONSITE ENERGY, INC. | 5,000 | 1,600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1261 | 1196 | Sanger GTCC | DYNAMIS INC. | 5,000 | 28,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1262 | 1197 | Santa Barbara Hospital GTCC | | 5,000 | 4,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1263 | 1199 | Santa Maria GTCC | Do Not Mail--Santa Maria Cogen | 5,000 | 7,700 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1264 | 1205 | Southeast Kern River GTCCG1 | Texaco | 5,000 | 18,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1265 | 1205 | E F Oxnard GTCC | Sithe Energies, Inc. | 5,000 | 47,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1266 | 1216 | Texaco (Lost Hills) GTCC | Texaco | 5,000 | 10,600 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1267 | 1231 | Eastside Water Renovation Donald Von Raesfeld(Pico Combined Cycle) | CITY OF VENTURA | 5,000 | 548 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1268 | 1244 | Magnolia Power Project | Southern California Public Power Authority | 7,000 | 310,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | FALSE | FUEL | |
| 1269 | 1245 | Metal Energy Center | Calpine Corp. | 7,000 | 602,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | FALSE | FUEL | |
| 1270 | 1247 | Pastoria Energy Center | Pastoria Energy Facility LLC | 7,000 | 750,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | FALSE | FUEL | |
| 1271 | 1248 | Valley CC 06648 | Los Angeles Department of Water | 7,000 | 533,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | FALSE | FUEL | |
| 1272 | 1249 | Palomar Energy LLC | Sempra Energy/SDG&E | 7,000 | 550,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | FALSE | FUEL | |
| 1273 | 1250 | City of Yrean | Malberg Generation Station | 7,000 | 134,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | FALSE | FUEL | |
| 1274 | 1274 | Elk Hills CC | Sempra/OXY | 7,000 | 570,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | | | FALSE | FUEL | |
| 1275 | 3499 | Wainut Creek | | 7,200 | 501,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1276 | 3500 | AES Highgrove | | 7,200 | 325,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1277 | 3501 | Victorville 2 | | 7,200 | 571,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1278 | 3502 | South Point | | 7,200 | 550,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1279 | 3503 | Vernon Power Exp. | | 7,200 | 304,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1280 | 3504 | Palmdale | | 7,200 | 570,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1281 | 3505 | Copper Mtn | | 7,200 | 634,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1282 | 3506 | South Bay Option 1 | | 7,200 | 650,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1283 | 3507 | San Diego CPGS | | 7,200 | 750,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1284 | 3509 | Otay Mesa | | 7,200 | 615,000 | gs_SC | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|--------------------------------|---------------------------------|---------------------|---------------|-------|------|-----------------------|--------------------|---------------------------|----------------------|-------------|----------|-------------------------------|-----------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (MW) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1299 | 1209 UCSB | | 8,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 9/29/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1300 | 1208 SCAQMD | | 8,000 | 200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1301 | 994 AES Placerita CCCC | Southern California Edison Com | 8,000 | 108,300 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1302 | 1025 Watson GTCG1 | Southern California Edison Com | 8,000 | 61,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1303 | 1488 Double C GTCG2 | El Paso Merchant Energy | 8,000 | 23,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1304 | 1502 Kelco GTCG2 | Merck | 8,000 | 4,200 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1305 | 1503 Kelco GTCG3 | Merck | 8,000 | 3,100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1306 | 1509 USD Cogen GTCG2 | Hawthorne Engine Systems | 8,000 | 0 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1307 | 1510 USD Cogen GTCG3 | Hawthorne Engine Systems | 8,000 | 0 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1308 | 1452 LAX Airport GTCG2 | LAX Airport | 8,000 | 3,400 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1309 | 1453 Olive View Med Cntr GTCG2 | Los Angeles County | 8,000 | 100 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1310 | 1497 High Sierra GTCG2 | El Paso Merchant Energy | 8,000 | 23,900 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1311 | 1498 Indeck Ontario GTCG2 | Indeck Capital | 8,000 | 1,800 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1312 | 980 Burbank CC (OLA + MG2) | Burbank Public Service Departm | 8,100 | 41,000 | gs_SC | 18 | yr_NGVOM | yr_NGFOM | nn_FOR_Gas0 | nn_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1313 | 3497 El Centro CA | | 8,500 | 34,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1314 | 3498 El Centro CT | | 8,500 | 37,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1315 | 3508 Miramar EF II | | 8,500 | 49,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1316 | 3488 Haynes | | 8,500 | 35,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1317 | 3492 Chula Vista Exp. | | 8,500 | 60,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1318 | 3493 Pala EF | | 8,500 | 99,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1319 | 3494 Margarita EF | | 8,500 | 99,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1320 | 3495 Larkspur 3 | | 8,500 | 43,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1321 | 3476 SCE Barre | | 8,500 | 49,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1322 | 3477 SCE Center | | 8,500 | 49,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1323 | 3478 SCE Etiwanda | | 8,500 | 49,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1324 | 3479 SCE Mira Loma | | 8,500 | 49,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1325 | 3480 SCE Mandalay | | 8,500 | 49,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1326 | 3482 Long Beach | | 8,500 | 65,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1327 | 3483 Long Beach | | 8,500 | 65,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1328 | 3484 Long Beach | | 8,500 | 65,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1329 | 3485 Long Beach | | 8,500 | 65,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1330 | 1238 High Desert CC | Inland Group & Constellation | 8,500 | 720,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1331 | 986 Haynes ST6 | Los Angeles Department of Water | 8,727 | 341,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 10/1/2000 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1332 | 1483 Sunrise GTCG1 | Texaco Global Gas & Power | 8,800 | 168,900 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 6/1/2001 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1333 | 1515 Sunrise CCCC | Texaco Global Gas & Power | 8,800 | 260,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/2000 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1334 | 990 Scattergood ST3 | Los Angeles Department of Water | 9,031 | 445,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1335 | 1474 AES Alamitos ST5 | Southern California Edison Com | 9,361 | 482,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1336 | 996 AES Alamitos ST6 | Southern California Edison Com | 9,381 | 481,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1337 | 1449 Haynes ST1 | Los Angeles Department of Water | 9,403 | 222,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1338 | 1018 Ormond Beach Gen ST2 | Southern California Edison Com | 9,478 | 766,000 | gs_SC | 18 | yr_NGVOM1 | yr_NGFOM1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|------|------|--------------------------------|---------------------------------|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1359 | 1455 | Scattergood ST2 | Los Angeles Department of Water | 9,795 | 179,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1360 | 1469 | South Bay ST2 | San Diego Gas & Electric Compa | 9,800 | 150,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1361 | 993 | South Bay ST3 | San Diego Gas & Electric Compa | 9,900 | 176,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1362 | 1076 | Chino CCCC | Energy Initiatives, Inc | 10,000 | 25,300 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1363 | 1242 | Indigo GT1 | InterGen | 10,000 | 45,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1364 | 1243 | Larkspur GT1 | InterGen | 10,000 | 43,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1365 | 1485 | Drews GT1 | InterGen | 10,000 | 43,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1366 | 1490 | El Cajon GT (CalPeak) | Enterprise Escondido | 10,000 | 49,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1367 | 1491 | Enterprise Escondido GT | Enterprise Escondido | 10,000 | 49,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1368 | 1494 | Gates GT | Enterprise Escondido | 10,000 | 45,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1369 | 1501 | Loma Linda U IC | Enterprise Escondido | 10,000 | 100 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1370 | 1511 | UCSD GTCC | Enterprise Escondido | 10,000 | 25,300 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1371 | 1453 | Lake One GT | Enterprise Escondido | 10,000 | 47,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1372 | 1445 | Harbor GT11 | Enterprise Escondido | 10,000 | 47,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1373 | 1446 | Harbor GT12 | Enterprise Escondido | 10,000 | 47,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1374 | 1447 | Harbor GT13 | Enterprise Escondido | 10,000 | 47,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1375 | 1448 | Harbor GT14 | Enterprise Escondido | 10,000 | 47,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1376 | 1456 | Valley GT5 | Enterprise Escondido | 10,000 | 47,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1377 | 1484 | Agua Mansa GT | Enterprise Escondido | 10,000 | 43,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1378 | 1485 | B Brain Medical GTCC | Enterprise Escondido | 10,000 | 0 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1379 | 1486 | Border GT | Enterprise Escondido | 10,000 | 49,100 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1380 | 1487 | Century GT | Enterprise Escondido | 10,000 | 43,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1381 | 1492 | Fresno GT | Enterprise Escondido | 10,000 | 49,500 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1382 | 1493 | Fresno GTCC | Enterprise Escondido | 10,000 | 22,400 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1383 | 1495 | Hennetta Peaker GT1 | Enterprise Escondido | 10,000 | 48,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1384 | 1496 | Hennetta Peaker GT2 | Enterprise Escondido | 10,000 | 48,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1385 | 1499 | Kings County State Prison GTCC | Enterprise Escondido | 10,000 | 4,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1386 | 1500 | LA Cold Storage ICCG1-3 | Enterprise Escondido | 10,000 | 0 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1387 | 1504 | Rockwell GTCC | Enterprise Escondido | 10,000 | 21,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1388 | 1505 | Springs Substation GT1 | Enterprise Escondido | 10,000 | 11,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1389 | 1506 | Springs Substation GT2 | Enterprise Escondido | 10,000 | 11,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1390 | 1507 | Springs Substation GT3 | Enterprise Escondido | 10,000 | 11,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1391 | 1508 | Springs Substation GT4 | Enterprise Escondido | 10,000 | 11,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1392 | 1512 | Indigo GT2 | Wildflower LLP | 10,000 | 45,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1393 | 1513 | Indigo GT3 | Wildflower LLP | 10,000 | 45,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1394 | 1514 | Larkspur GT2 | Wildflower LLP | 10,000 | 43,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1395 | 1453 | Magnolia GT5 | Burbank Public Service Departm | 10,010 | 21,700 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1396 | 1437 | Olive ST2 | Burbank Public Service Departm | 10,080 | 55,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1397 | 1458 | Duke Morro Bay ST2 | Pacific Gas & Electric Company | 10,207 | 171,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1398 | 1473 | AES Alamitos ST3 | Southern California Edison Com | 10,236 | 322,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1399 | 1457 | Duke Morro Bay ST1 | Pacific Gas & Electric Company | 10,293 | 171,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1400 | 1464 | Encina ST1 | San Diego Gas & Electric Compa | 10,300 | 104,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1401 | 1465 | Encina ST2 | San Diego Gas & Electric Compa | 10,300 | 105,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | FUEL | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1402 | 1479 | AES Redondo Beach ST5 | Southern California Edison Com | 10,374 | 175,000 | gs_SC | 18 | yr_NGVO1 | yr_NGFO1 | nn_FOR_Gas1 | nn_Maint_Gas1 | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|------|------|---------------------------------|---|---------------------|---------------|-------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|---------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|------------------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/KWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Mnt Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate (FUEL) | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/KWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1423 | 1477 | Ocean Vista GT3 | Reliant Energy | 14,393 | 132,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1424 | 1444 | Harbor GT7 | Los Angeles Department of Water | 15,000 | 19,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 9/1/2000 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1425 | 1443 | Harbor GT6 | Los Angeles Department of Water | 15,000 | 19,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1426 | 1467 | Kearny GT1 | San Diego Gas & Electric Compa | 15,500 | 17,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 9/1/2001 | 12/31/2053 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1427 | 1533 | Kearny GT3 | San Diego Gas & Electric Compa | 16,200 | 66,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2053 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1428 | 1530 | El Cajon GT | San Diego Gas & Electric Compa | 16,300 | 17,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | mm_WPC080 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1429 | 1532 | Kearny GT2 | San Diego Gas & Electric Compa | 16,400 | 63,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 12/1/2001 | 12/31/2053 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1430 | 1531 | Encina GT | San Diego Gas & Electric Compa | 16,800 | 17,000 | gs_SC | 18 | yr_NGVM02 | yr_NGFOM2 | nn_FOR_Gas2 | mm_Maint_Gas2 | FUEL | 1 | FUEL | 20 | 1/1/1980 | 12/31/2050 | mm_WPC090 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1431 | 3486 | Niland | | 8,500 | 45,000 | gs_SC | 20 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 5/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1432 | 3487 | Niland | | 8,500 | 45,000 | gs_SC | 20 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 5/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1433 | 1570 | Thermoelectrica de Mexicalco CD | CFE/Sempra | 7,150 | 600,000 | gs_SC | 21 | yr_NGVM0 | yr_NGFOM | 7 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | 55 | 7/30/2003 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 23 | | | FALSE | FUEL | |
| 1434 | 1568 | CFE-Intergen | CFE-Intergen | 7,250 | 255,000 | gs_SC | 21 | yr_NGVM0 | yr_NGFOM | 7 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | 55 | 7/1/2001 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 23 | | | FALSE | FUEL | |
| 1435 | 1569 | Rosario CC09 | CFE-Intergen | 7,250 | 255,000 | gs_SC | 21 | yr_NGVM0 | yr_NGFOM | 7 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | 55 | 7/1/2001 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 23 | | | FALSE | FUEL | |
| 1436 | 1564 | Pdte Juarez ST6 | CFE | 9,600 | 150,000 | gs_SC | 21 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 1437 | 1565 | Pdte Juarez ST5 | CFE | 9,650 | 150,000 | gs_SC | 21 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 1438 | 1567 | Pdte Juarez ST4 | CFE | 10,050 | 165,000 | gs_SC | 21 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | FUEL | |
| 1439 | 1565 | Pdte Juarez GT1 | CFE | 10,900 | 30,000 | gs_SC | 21 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | 0 | |
| 1440 | 1566 | Pdte Juarez GT2 | CFE | 10,900 | 30,000 | gs_SC | 21 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 12/2/1980 | 1/1/1980 | 0 | | | AREA | 22 | | | FALSE | 0 | |
| 1441 | 976 | Current Creek Power Plant | PacificCorp | 7,000 | 525,000 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1442 | 3545 | East Summit-Lake Side | | 7,200 | 148,000 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1443 | 3546 | East Summit-Lake Side | | 7,200 | 148,000 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1444 | 3547 | East Summit-Lake Side | | 7,200 | 250,500 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1445 | 1348 | Heber City IC1 | Heber Light & Power Company | 8,000 | 650 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1446 | 1349 | Heber City IC2 | Heber Light & Power Company | 8,000 | 650 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1447 | 1350 | Heber City IC3 | Heber Light & Power Company | 8,000 | 650 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1448 | 1351 | Heber City IC5 | Heber Light & Power Company | 8,000 | 750 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1449 | 1352 | Heber City IC6 | Heber Light & Power Company | 8,000 | 750 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1450 | 1347 | Bountiful City IC8 | Bountiful UT, City of | 8,984 | 7,000 | gs_UT | 13 | yr_NGVM0 | yr_NGFOM | nn_FOR_Gas0 | mm_Maint_Gas0 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1451 | 1360 | Whitehead IC2 | Springville UT, City of | 9,673 | 7,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1452 | 974 | Provo ST4 | | 10,000 | 8,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1453 | 975 | Whitehead IC3 | Springville City of | 10,000 | 8,800 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1454 | 1376 | Desert Peaking Power | Desert Power LP | 10,000 | 80,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1455 | 1377 | Nebo Power Station | Utah Associated Municipal Power Systems | 10,000 | 105,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1456 | 1354 | Murray City GT1 | | 10,000 | 13,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1457 | 1355 | Murray City GT2 | | 10,000 | 13,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1458 | 1356 | Murray City GT3 | | 10,000 | 13,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1459 | 1360 | Gadby 4 GT1 | | 10,000 | 40,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1460 | 1361 | Gadby 4 GT4 | | 10,000 | 40,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1461 | 1362 | Gadby 4 GT5 | | 10,000 | 40,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1462 | 1353 | Heber City IC8 | | 10,000 | 1,500 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1463 | 1369 | Whitehead IC4 | | 10,000 | 4,800 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1464 | 1370 | Whitehead IC5-7 | | 10,000 | 8,400 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1465 | 1371 | West Valley GT1 | | 10,000 | 40,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | 1 | |
| 1466 | 1372 | West Valley GT2 | | 10,000 | 40,000 | gs_UT | 13 | yr_NGVM01 | yr_NGFOM1 | mm_FOR_Gas1 | mm_Maint_Gas1 | FUEL | FUEL | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|-----|--------------------------------------|---|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1494 | 188 | Kettle Falls | Washington Water Power Company | 14,380 | 38,400 | OTH | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1495 | 191 | Pine Products | | 8,000 | 5,700 | OTH | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1496 | 192 | Precision Pine | | 8,000 | 7,500 | OTH | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1497 | 267 | Pocatiello Wastewater | Idaho Power Company - ID | 8,000 | 150 | OTH | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1498 | 268 | Tamarack Energy | Idaho Power Company - ID | 8,000 | 5,700 | OTH | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | mm_SPC119 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1499 | 269 | Colstrip Montana One FB | Montana Power Company, The - M | 8,000 | 39,000 | OTH | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1500 | 270 | 75 St Waste Water | Public Service Company of Colo | 8,000 | 4,800 | OTH | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC095 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1501 | 272 | County Line Landfill | Public Service Company of Colo | 8,000 | 546 | OTH | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_SPC103 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1502 | 271 | Biogas Elec GTCG | Public Service Company of Colo | 8,000 | 200 | OTH | 10 | FUEL | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1503 | 273 | SF Phosphates STCG | PacificCorp | 8,000 | 200 | OTH | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1504 | 274 | Sunnyvale CG | PacificCorp | 8,000 | 51,200 | OTH | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1505 | 275 | SPI Loyalton | Sierra Pacific Power Company - | 8,000 | 14,900 | OTH | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1506 | 213 | Sierra Pacific Industries (Anderson) | SIERRA PACIFIC INDUSTRIES | 8,000 | 1,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 5/22/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1507 | 222 | Hudson | WHEELABRATOR | 8,000 | 6,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 4/30/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1508 | 201 | Guadalupe Landfill | GLADALUPE RUBBISH DISPOSAL COM | 8,000 | 1,396 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1509 | 202 | Newby Island Landfill | CITY OF MENLO PARK | 8,000 | 1,900 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1510 | 203 | Newby Island Landfill 2 | BFI | 8,000 | 3,738 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1511 | 206 | Newby Island Landfill 1 | BFI | 8,000 | 5,035 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1512 | 207 | Contra Costa Landfill | | 8,000 | 2,449 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 1/31/2000 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1513 | 208 | Santa Clara Landfill | CITY OF SANTA CLARA | 8,000 | 1,200 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 1/31/2000 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1514 | 225 | Shasta 2 | Wheelabrator | 10,000 | 16,400 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1515 | 226 | Shasta 3 | Wheelabrator | 10,000 | 16,400 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1516 | 227 | Wheelabrator | Wheelabrator | 8,000 | 6,070 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1517 | 193 | Big Valley | BIG VALLEY | 8,000 | 3,200 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1518 | 194 | Burney Forest Prod | BURNEY FOREST PRODUCTS | 8,000 | 28,400 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1519 | 195 | California Cedar Products | CALIFORNIA CEDAR PRODUCTS | 8,000 | 850 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1520 | 196 | Collins Pine | COLLINS PINE COMPANY | 8,000 | 6,100 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1521 | 197 | Sonoma County Landfill | SONOMA COUNTY | 8,000 | 4,480 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1522 | 198 | Diamond Walnut | DIAMOND WALNUT GROVERS | 8,000 | 4,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1523 | 199 | Fairhaven | FAIRHAVEN POWER COMPANY | 8,000 | 15,100 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1524 | 200 | American Canyon Landfill | SOUTH NAPA WASTE AUTHORITY | 8,000 | 1,350 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1525 | 204 | HL Power | HL POWER CO. | 8,000 | 30,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1526 | 205 | Madera Power Facility | | 8,000 | 25,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1527 | 209 | Burney Mountain | OGDEN ENERGY GROUP, INC. | 8,000 | 9,100 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1528 | 210 | Chinese Station | PAC. ENERGY, ULTRASYSTEM, CONS | 8,000 | 22,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1529 | 211 | Mt Lassen Power | PLES AND ULTRASYSTEMS | 8,000 | 10,500 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1530 | 212 | Pacific Lumber 1 | PACIFIC LUMBER COMPANY | 8,000 | 10,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1531 | 214 | SPI Burney | SIERRA PACIFIC INDUSTRIES | 8,000 | 12,600 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1532 | 215 | SPI Quincy | SIERRA PACIFIC INDUSTRIES | 8,000 | 15,300 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1533 | 216 | Sonora | SIERRA PACIFIC INDUSTRIES | 8,000 | 5,000 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1534 | 217 | SPI Susanville | SIERRA PACIFIC INDUSTRIES | 8,000 | 7,700 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1535 | 218 | SPI Lincoln | SIERRA PACIFIC INDUSTRIES | 8,000 | 3,100 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1536 | 219 | Sunnyvale Landfill | CITY OF SUNNYVALE PUBLIC COMMUNITY | 8,000 | 480 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1537 | 220 | Tracy Biomass | ENERGY ALTERNATIVES, WADHAM ENERGY LIMITED PARTNERS | 8,000 | 18,900 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1538 | 221 | Wadham | WADHAM ENERGY LIMITED PARTNERS | 8,000 | 23,600 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1539 | 223 | Martell | WHEELABRATOR MARTELL INC. | 8,000 | 8,200 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1540 | 224 | Shasta 1 | WHEELABRATOR SHASTA ENERGY COM | 8,000 | 16,400 | OTH | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |

TABLE 14
Resources
Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|-----|-------------------------------|---------------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1548 | 232 | Aliso Water Management | ALISO WATER MANAGEMENT AGENCY | 8,000 | 1,200 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1549 | 233 | Biogen Power | BIOGEN POWER COMPANY | 8,000 | 11,200 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1550 | 234 | Chino Basin MWD | | 8,000 | 580 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1551 | 235 | Chiquita Water Reclamation | SANTA MARGARITA WATER DISTRICT | 8,000 | 270 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1552 | 236 | Valencia Landfill | L.A. COUNTY SANITATION DISTRICT | 8,000 | 500 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1553 | 237 | Mecca | COLMAC ENERGY | 8,000 | 43,700 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1554 | 238 | Commerce RTE | COMMERCE REFUSE TO ENERGY | 8,000 | 10,700 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1555 | 239 | Falcon Foam Plastics | FALCON FOAM PLASTICS | 8,000 | 365 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1556 | 240 | Imperial Resource Recovery | WESTERN POWER GROUP, INC. | 8,000 | 13,500 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1557 | 241 | Los Alamos Energy | LOS ALAMOS ENERGY, LLC | 8,000 | 900 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1558 | 244 | Mendota Biomass | THERMO ECOTEK | 8,000 | 22,600 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1559 | 245 | MM Woodville rerate | MM WOODVILLE ENERGY LLC | 8,000 | 4,300 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1560 | 246 | OCS D Plant 1 | ORANGE COUNTY SANITATION DISTR | 8,000 | 600 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1561 | 247 | Otay 1 Power Station | OGDEN ENERGY GROUP, INC. | 8,000 | 1,196 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1562 | 248 | Otay Landfill 2 | ALLIED WASTE | 8,000 | 1,196 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1563 | 249 | Oxnard Landfill | J & C PROPERTIES, ET AL | 8,000 | 5,096 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1564 | 250 | Palm Springs | CITY OF PALM SPRINGS | 8,000 | 250 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1565 | 251 | Palos Verdes | L.A. COUNTY SANITATION DISTRICT | 8,000 | 11,400 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1566 | 252 | OCS D Plant 2 | ORANGE COUNTY SANITATION DISTR | 8,000 | 1,200 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1567 | 253 | MM Prima Deschecha | ORANGE COUNTY SANITATION DISTR | 8,000 | 5,210 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1568 | 254 | P. Loma Sewage Treatment | SAN DIEGO WATER UTILITIES | 8,000 | 1,890 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1569 | 255 | Puente Hills 1 | L.A. COUNTY SANITATION DISTRICT | 8,000 | 44,200 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1570 | 256 | Puente Hills 2 | L.A. COUNTY SANITATION DISTRICT | 8,000 | 3,500 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1571 | 258 | San Marcos Landfill Facility | SAN DIEGO COUNTY | 8,000 | 1,000 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1572 | 259 | Spadra Landfill | CA POLYTECHNIC POMONA | 8,000 | 7,000 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1573 | 260 | Sycamore Landfill | ALLIED WASTE | 8,000 | 1,246 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1574 | 261 | MM Tajiguas | SANTA BARBARA COUNTY | 8,000 | 1,870 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1575 | 262 | Total EF | County Sanitation Districts of | 8,000 | 900 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1576 | 263 | MM Tulare | MINNESOTA METHANE | 8,000 | 1,870 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1577 | 264 | Western Rock Products | WESTERN ROCK PRODUCTS | 8,000 | 250 | OTH | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1578 | 266 | Purcell Power | | 8,000 | 14,000 | OTH | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 4/15/2003 | 12/31/2053 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1579 | 265 | NW Energy | | 8,000 | 48,000 | OTH | 22 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1580 | 276 | Drayton Valley (Weyerhaeuser) | TransAlta Utilities Corporatio | 8,000 | 12,000 | OTH | 23 | FUEL | FUEL | 25 | 25 | 1 | 1 | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1581 | 277 | Whitecourt Power | TransAlta Utilities Corporatio | 8,000 | 24,000 | OTH | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1582 | 280 | Grande Prairie | Bureau of Reclamation | 8,000 | 25,000 | OTH | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1583 | 278 | Dapp (Westlock) | Drayton Valley Power | 0 | 17,000 | OTH | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1584 | 279 | Gold Creek | NOVA | 10,000 | 4,200 | OTH | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1585 | 281 | Taber ICs | Maxim Energy Corp. | 10,000 | 8,320 | OTH | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1586 | 310 | Flatiron 3 | Bureau of Reclamation | 4,266 | 8,500 | PS | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 7 | 204 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1587 | 311 | Mount Elbert 1 | Bureau of Reclamation | 4,266 | 100,000 | PS | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 92 | 2760 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1588 | 312 | Mount Elbert 2 | Bureau of Reclamation | 4,266 | 100,000 | PS | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|-----|--------------------------|---------------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1603 | 293 | Thermalito 4 | Department of Water Resources/ | 4,266 | 27,333 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 3/1/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 21 | 615,984 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1604 | 297 | W R Gianelli 4 | Department of Water Resources/ | 4,266 | 50,000 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 3/1/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 40 | 1200 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1605 | 298 | W R Gianelli 5 | Department of Water Resources/ | 4,266 | 50,000 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 9/1/2000 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 40 | 1200 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1606 | 299 | W R Gianelli 6 | Department of Water Resources/ | 4,266 | 50,000 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2000 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 40 | 1200 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1607 | 282 | ONeill 1 | Bureau of Reclamation | 4,266 | 4,200 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 2 | 57.6 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1608 | 283 | ONeill 2 | Bureau of Reclamation | 4,266 | 4,200 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 2 | 57.6 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1609 | 284 | ONeill 3 | Bureau of Reclamation | 4,266 | 4,200 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 2 | 57.6 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1610 | 285 | ONeill 4 | Bureau of Reclamation | 4,266 | 4,200 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 2 | 57.6 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1611 | 286 | ONeill 5 | Bureau of Reclamation | 4,266 | 4,200 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 2 | 57.6 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1612 | 287 | ONeill 6 | Bureau of Reclamation | 4,266 | 4,200 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 2 | 57.6 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1613 | 288 | Edward C Hyatt 2 | Department of Water Resources/ | 4,266 | 122,666 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 101 | 3031,992 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1614 | 290 | Edward C Hyatt 6 | Department of Water Resources/ | 4,266 | 122,666 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 101 | 3031,992 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1615 | 300 | W R Gianelli 7 | Department of Water Resources/ | 4,266 | 50,000 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 40 | 1200 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1616 | 301 | W R Gianelli 8 | Department of Water Resources/ | 4,266 | 50,000 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 40 | 1200 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1617 | 289 | Edward C Hyatt 4 | Department of Water Resources/ | 4,266 | 122,666 | PS | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 101 | 3031,992 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1618 | 305 | Castaic 4 | Los Angeles Department of Water | 4,266 | 240,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 4/15/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 192 | 5760 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1619 | 302 | Castaic 1 | Los Angeles Department of Water | 4,266 | 240,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 192 | 5760 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1620 | 303 | Castaic 2 | Los Angeles Department of Water | 4,266 | 240,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 192 | 5760 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1621 | 304 | Castaic 3 | Los Angeles Department of Water | 4,266 | 240,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 192 | 5760 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1622 | 307 | Castaic 6 | Los Angeles Department of Water | 4,266 | 240,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 192 | 5760 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1623 | 308 | Helms Pumped Storage 1-3 | Pacific Gas & Electric Company | 4,266 | 1,212,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | 1 | FUEL | 20 | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 970 | 29088 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1624 | 309 | J S Eastwood 1 | Southern California Edison Com | 4,266 | 207,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 166 | 4968 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1625 | 306 | Castaic 5 | Los Angeles Department of Water | 4,266 | 240,000 | PS | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 192 | 5760 | 0.5 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1626 | 149 | Short Mountain 1-5 | Emerald Peoples Utility Distr | 9,517 | 4,000 | REF | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1627 | 150 | Coffin Butte | Pacific Northwest Generation C | 8,000 | 2,300 | REF | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1628 | 153 | Tacoma Landfill | | 8,000 | 1,800 | REF | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1629 | 151 | Marion Solid Waste | Portland General Electric Comp | 8,000 | 11,700 | REF | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1630 | 152 | Wheelerator Spokane | Puget Sound Energy - WA | 8,000 | 21,500 | REF | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1631 | 154 | HW Hill Landfill 1-5 | | 8,000 | 10,500 | REF | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1632 | 155 | Northside Landfill | | 8,000 | 800 | REF | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1633 | 179 | Helena Waste | | 8,000 | 150 | REF | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1634 | 165 | Yuba City WWTP | | 5,000 | 140 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/8/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1635 | 158 | Fremont Landfill | | 8,000 | 2,625 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1636 | 161 | Monterey Landfill | MONTEREY REGIONAL WAST MGMT DI | 8,000 | 3,780 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 1/31/2000 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1637 | 162 | Salinas Landfill | | 8,000 | 1,300 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1638 | 156 | Altamont Gas Recovery | | 8,000 | 5,365 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1639 | 157 | Oakland Wastewater | | 8,000 | 2,800 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1640 | 159 | Jackson Valley | | 8,000 | 18,000 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1641 | 160 | Santa Cruz Landfill | CITY OF SANTA CRUZ | 8,000 | 1,500 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1642 | 163 | Austin Road Landfill | CITY OF STOCKTON | 8,000 | 2,100 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1643 | 164 | Stanislaus RRF | OGDEN MARTIN | 8,000 | 15,100 | REF | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1644 | 176 | Roy Sharp Jr | | 8,000 | 100 | REF | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 5/15/2003 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1645 | 168 | MM Lopez | MINNESOTA METHANE | 8,000 | 6,010 | REF | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1646 | 172 | MM West Covina 2 | | 8,000 | 6,100 | REF | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1647 | 173 | Corona Landfill | O'BRIEN ENERGY SYSTEM | 8,000 | 3,640 | REF | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 1/31/2000 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1648 | 175 | Penrose Power Station | OGDEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | |
|------|------|----------------------|--------------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|-------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| 1 | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1662 | 56 | Hedge PV | Sacramento Municipal Utility D | 0 | 200 | SUN | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/29/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1663 | 3656 | Genesis Solar | | 0 | 500,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1664 | 3657 | Mojave Solar Park 1 | | 0 | 635,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1665 | 3658 | Eagle Mtn. PV | | 0 | 150,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1666 | 3659 | Eagle Mtn. PV | | 0 | 400,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1667 | 3653 | SES Solar | | 0 | 850,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1668 | 3654 | Cal. Solar One | | 0 | 220,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1669 | 3655 | SES Solar | | 0 | 300,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1670 | 62 | Luz SEGS IV | KRAMER JUNCTION COMPANY | 0 | 35,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 4/15/2003 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1671 | 59 | Luz SEGS I | LIZ SOLAR PTRNS II | 0 | 1,300 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/30/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1672 | 58 | Kerman PV | Pacific Gas & Electric Company | 0 | 500 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/29/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1673 | 65 | Luz SEGS VII | KRAMER JUNCTION COMPANY | 0 | 35,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/29/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1674 | 66 | Luz SEGS VIII | HARPER LAKE COMPANY VIII | 0 | 72,400 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/29/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1675 | 67 | Luz SEGS IX | LIZ SOLAR PARTNERS INC. LTD. | 0 | 72,900 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 7/1/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1676 | 63 | Luz SEGS V | KRAMER JUNCTION COMPANY | 0 | 35,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1677 | 64 | Luz SEGS VI | KRAMER JUNCTION COMPANY | 0 | 35,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 11/30/2001 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1678 | 61 | Luz SEGS III | KRAMER JUNCTION COMPANY | 0 | 35,000 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2000 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1679 | 60 | Luz SEGS II | Luz Solar Partners | 0 | 25,300 | SUN | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1680 | 1 | WNP 2 | Washington Public Power Supply | 10,064 | 1,170,000 | UR | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 4/9/2011 | 7/4/2011 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1681 | 148 | Palo Verde 3 | Arizona Public Service Company | 10,439 | 1,274,000 | UR | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 9/1/2003 | 12/31/2053 | mm_WPC098 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1682 | 145 | Palo Verde 1 | Arizona Public Service Company | 10,655 | 1,270,000 | UR | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC098 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1683 | 146 | Palo Verde 2 | Arizona Public Service Company | 10,499 | 1,270,000 | UR | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | mm_WPC098 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1684 | 147 | Palo Verde 2 rerated | | 10,499 | 57,000 | UR | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1685 | 143 | San Onofre 2 | Southern California Edison Com | 9,887 | 1,081,000 | UR | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/30/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1686 | 144 | San Onofre 3 | Southern California Edison Com | 9,887 | 1,086,000 | UR | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 6/30/2002 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1687 | 142 | Diablo Canyon 2 | Pacific Gas & Electric Company | 10,503 | 1,102,000 | UR | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 9/1/2001 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1688 | 141 | Diablo Canyon 1 | Pacific Gas & Electric Company | 10,455 | 1,090,000 | UR | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1689 | 2 | Hydro WA W | all | 0 | 1,406,250 | WAT | 1 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1690 | 3 | Hydro OR W | all | 0 | 3,376,287 | WAT | 2 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1691 | 4 | Hydro WA Cen | all | 0 | 17,538,647 | WAT | 3 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1692 | 5 | Hydro OR E | all | 0 | 6,531,938 | WAT | 4 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1693 | 6 | Hydro WA E | all | 0 | 2,062,020 | WAT | 5 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1694 | 7 | Hydro ID So | all | 0 | 1,914,033 | WAT | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1695 | 8 | Hydro ID E | all | 0 | 160,997 | WAT | 7 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1696 | 9 | Hydro MT | all | 0 | 2,258,379 | WAT | 8 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1697 | 10 | Hydro WY | all | 0 | 284,740 | WAT | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1698 | 11 | Hydro CO | all | 0 | 636,740 | WAT | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1699 | 12 | Hydro NM | all | 0 | 66,200 | WAT | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1700 | 13 | Hydro AZ | all | 0 | 1,575,500 | WAT | 12 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1701 | 14 | Hydro UT | all | 0 | 245,514 | WAT | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1702 | 1534 | Hydro NV No | all | 0 | 14,800 | WAT | 14 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1703 | 1535 | Hydro NV So | all | 0 | 2,288,760 | WAT | 15 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1704 | 1536 | Hydro CA No | all | 0 | 7,961,631 | WAT | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1705 | 1537 | Hydro CA Mid | all | 0 | 810,100 | WAT | 17 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1706 | 1538 | Hydro CA So | all | 0 | 1,451,111 | WAT | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1707 | 1539 | Hydro SDGE | all | 0 | 6,881 | WAT | 19 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1708 | 1540 | Hydro IID | all | 0 | 85,645 | WAT | 20 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2053 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | | AREA | FUEL | 0 | 6 | | |

TABLE 14
Resources
Resources table continues through page 55.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|------|-------------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|-------------------------------|----------------------------|---------------------|-------------------|---------------|-----------|-------------|---------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MWh/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity (MW) | Ramp Rate | Min Up (Hr) | Min Down (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1741 | 3632 | Notch Butte | 0 | 18,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1742 | 3633 | Salmon Falls | 0 | 21,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1743 | 3620 | Milner Dam | 0 | 18,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1744 | 3621 | Oregon Trails | 0 | 11,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1745 | 3622 | Pilgrim Stage | 0 | 11,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1746 | 3623 | Thousand Springs | 0 | 11,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1747 | 3624 | Tuana Gulch | 0 | 11,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1748 | 3625 | Burley Butte | 0 | 11,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1749 | 3626 | Cassia Gulch | 0 | 19,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1750 | 3627 | Cassia Wind | 0 | 11,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1751 | 3628 | Magie Wind | 0 | 20,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1752 | 35 | Wolverine Creek | 0 | 650,000 | WND | 6 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1753 | 3634 | East Mountain Wind | 0 | 60,000 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1754 | 3635 | East Mountain Wind | 0 | 80,000 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1755 | 41 | Wyoming Wind Energy Center | 0 | 144,000 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1756 | 36 | Rock River | 0 | 48,200 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1757 | 38 | Footc Creek | 0 | 64,400 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1758 | 39 | Footc Creek phase 4 | 0 | 16,300 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1759 | 37 | Medicine Bow | 0 | 5,700 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1760 | 40 | Simpson Ridge | 0 | 9,700 | WND | 9 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1761 | 3639 | Colorado Green | 0 | 75,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1762 | 3636 | Logan County | 0 | 200,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1763 | 3637 | Peetz Table | 0 | 200,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1764 | 3638 | Twin Buttes Cedar Ck | 0 | 300,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1765 | 44 | Gobbler's Knob Wind Farm | 0 | 162,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1766 | 45 | Colorado Green Windfarm | 0 | 162,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1767 | 46 | Spring Canyon | 0 | 60,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1768 | 42 | Ponsequin | 0 | 21,000 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1769 | 43 | Peetz Table | 0 | 25,200 | WND | 10 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1770 | 47 | New Mexico Wind Energy Farm | 0 | 204,000 | WND | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1771 | 48 | Caprock Wind Ranch | 0 | 80,000 | WND | 11 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1772 | 3640 | East Pioneer Ridge | 0 | 70,000 | WND | 13 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1773 | 3571 | Collinville | 0 | 30,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1774 | 3575 | Bear River Wind | 0 | 70,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1775 | 3577 | Point Sal Wind | 0 | 105,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2009 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1776 | 3573 | High Winds | 0 | 38,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1777 | 3574 | Solano Wind | 0 | 63,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1778 | 3576 | Hatchet Ridge | 0 | 102,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1779 | 3578 | Pacific Renewable | 0 | 120,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1780 | 3579 | Shiloh Wind | 0 | 150,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1781 | 3580 | Shiloh III | 0 | 200,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1782 | 3581 | Geysers Wind | 0 | 201,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1783 | 3582 | Daggett Wind II | 0 | 201,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1784 | 3583 | Wildhorse | 0 | 210,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1785 | 3572 | Baena Vista | 0 | 38,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1786 | 26 | Windparks - Solano County | 0 | 66,800 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1787 | 21 | Solano Wind Project - Phase I | 0 | 9,200 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0 | 0 | 0 | AREA | FUEL | 0 | 6 | FALSE | FUEL |
| 1788 | 22 | High Winds Phase 1 | 0 | 70,000 | WND | 16 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | 0</ | | | | | | | | |

TABLE 14
Resources
 Resources table continues through page 55.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG |
|------|------|------------------------------|---------------------------|---------------------|---------------|------|------|-----------------------|-------------------------|---------------------------|----------------------|-------------|----------|------------------------------|----------------------------|---------------------|-------------------|------------------------|-----------|------------------|--------------------|-------------|-----------|-------------------------------|-------------------|-------------|------------------|--------------|----------------|----------------|---------------|----------------|----------|
| | ID | Name | Utility | Heat Rate (Btu/kWh) | Capacity (kW) | Fuel | Area | Variable O&M (\$/MWh) | Fixed O&M (\$/MWh/Week) | Forecast Outage (Percent) | Maint Rate (Percent) | Non Cycling | Must Run | Start Up Costs (\$/MW/Start) | Minimum Capacity (Percent) | Resource Begin Date | Resource End Date | Capacity Monthly Shape | Ramp Rate | Min Up Time (Hr) | Min Down Time (Hr) | Maint Begin | Maint End | Committed Heat Rate (Btu/kWh) | Recharge Capacity | Max Storage | Initial Contents | Hydro Number | Resource Group | Bidding Factor | Bidding Shape | Resource Fixed | Can Drop |
| 1825 | 3588 | Sidewinder Mtn. | | 0 | 99,000 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1826 | 3589 | Windstar I Alt. | | 0 | 120,000 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1827 | 3590 | Cuyapaipe | | 0 | 117,000 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1828 | 34 | Kumeyayay Wind Power Station | Superior Renewable Energy | 0 | 1,050,000 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/1/2004 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1829 | 31 | Windparks - Tehachapi Pass | | 0 | 749,098 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1830 | 27 | Alta Mesa IV | | 0 | 19,800 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1831 | 28 | Alta Mesa VII | | 0 | 15,000 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1832 | 29 | Arbutus | | 0 | 8,400 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1833 | 30 | Wintec #2 | | 0 | 3,750 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1834 | 32 | Windparks - Los Angeles | | 0 | 500 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1835 | 33 | Windparks - San Geronio | | 0 | 590,257 | WND | 18 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1836 | 3646 | Blue Trail | | 0 | 30,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1837 | 3647 | Blue Trail | | 0 | 30,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1838 | 3648 | Summersview | | 0 | 60,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1839 | 3649 | Waterton | | 0 | 75,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1840 | 3650 | Waterton | | 0 | 75,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1841 | 3651 | Waterton | | 0 | 75,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1842 | 3652 | Waterton | | 0 | 75,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2008 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1843 | 3641 | Kettles Hill | | 0 | 14,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1844 | 3642 | Kettles Hill | | 0 | 13,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1845 | 3643 | Kettles Hill | | 0 | 5,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1846 | 3644 | Kettles Hill | | 0 | 5,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1847 | 3645 | Kettles Hill | | 0 | 16,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/2007 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1848 | 49 | Keephills Upgrade | | 0 | 35,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1849 | 51 | Castle Rock Ridge | | 0 | 100,800 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 12/31/1999 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1850 | 50 | Windplants - Alberta | | 0 | 95,660 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | 0 | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1851 | 52 | McBride Lake | | 0 | 75,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1852 | 53 | Nobleford | | 0 | 250 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |
| 1853 | 54 | Kettles Hills | Benign Energy | 0 | 48,000 | WND | 23 | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 12/31/2050 | FUEL | FUEL | FUEL | FUEL | 1/1/1980 | 1/1/1980 | 0 | | | AREA | FUEL | 0 | 6 | FALSE | FUEL | |

TABLE 15
Time Series Annual

| | A | B | C | D | E | F | G | H | I | J |
|----|------------------|-----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 1 | ID | Use | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| 2 | Fixed O&M | | 1,025 | 1,025 | 1,025 | 1,025 | 1,025 | 1,025 | 1,025 | 1,025 |
| 3 | Zero | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | BidFactors | | -49 | -49 | -49 | -49 | -49 | -49 | -49 | -49 |
| 5 | 1001 | Mthly Shape for Fuel | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | 1002 | Inflation Vector | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 7 | 1003 | | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 8 | 1004 | New Resources | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 9 | 1006 | New Resources | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | 1007 | MW Drop Vector | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 |
| 11 | 1008 | New Resources | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 1009 | New Resources | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 1010 | Sumas Basis by Year | -0.4 | -0.4 | -0.4 | -0.4 | -0.4 | -0.4 | -0.4 | -0.4 |
| 14 | 1011 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 1012 | CCCT 2010 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 |
| 16 | 1013 | AECO Basis by Year | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 | -0.45 |
| 17 | 1020 | Pacific Wind | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 18 | 1021 | Basin & Range Wind | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 19 | C | High Plains Wind | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 20 | 1023 | Central Photovoltaic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 21 | 1024 | New Coal | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 22 | max_CT_add | max_CT_add | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 23 | 1026 | SCCT/CCCT (Areas 1&4) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 24 | 1027 | Dist. CG (Areas 1, 2 & 4) | 0 | 0 | 50 | 50 | 50 | 50 | 50 | 50 |
| 25 | 1028 | Dist. CG (Area 3) | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 |
| 26 | 1029 | Dist. CG (Areas 5, 6 & 7) | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 |
| 27 | 1030 | Dist. CG (Areas 8 & 10) | 0 | 0 | 20 | 20 | 20 | 20 | 20 | 20 |
| 28 | 1031 | Dist. CG (Areas 9, 11 & 12) | 0 | 0 | 10 | 10 | 10 | 10 | 10 | 10 |
| 29 | 1032 | Pumped Storage | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | hydro_vector_40 | hydro_vector_40 | mn_hydro_shape_40 | mn_hydro_shape_40 | mn_hydro_shape_40 | mn_hydro_shape_40 | mn_hydro_shape_40 | mn_hydro_shape_40 | mn_hydro_shape_40 | mn_hydro_shape_40 |
| 31 | hydro_max | hydro_max | mn_hydro_max_95 | mn_hydro_max_95 | mn_hydro_max_95 | mn_hydro_max_95 | mn_hydro_max_95 | mn_hydro_max_95 | mn_hydro_max_95 | mn_hydro_max_95 |
| 32 | hydro_ins_min | hydro_ins_min | mn_hydro_min_05 | mn_hydro_min_05 | mn_hydro_min_05 | mn_hydro_min_05 | mn_hydro_min_05 | mn_hydro_min_05 | mn_hydro_min_05 | mn_hydro_min_05 |
| 33 | hydro_sus_hrs | hydro_sus_hrs | mn_hydro_sus_hrs | mn_hydro_sus_hrs | mn_hydro_sus_hrs | mn_hydro_sus_hrs | mn_hydro_sus_hrs | mn_hydro_sus_hrs | mn_hydro_sus_hrs | mn_hydro_sus_hrs |
| 34 | hydro_sus_max | hydro_sus_max | mn_hydro_sus_max | mn_hydro_sus_max | mn_hydro_sus_max | mn_hydro_sus_max | mn_hydro_sus_max | mn_hydro_sus_max | mn_hydro_sus_max | mn_hydro_sus_max |
| 35 | hydro_vector_05 | hydro_vector_05 | mn_hydro_shape_05 | mn_hydro_shape_05 | mn_hydro_shape_05 | mn_hydro_shape_05 | mn_hydro_shape_05 | mn_hydro_shape_05 | mn_hydro_shape_05 | mn_hydro_shape_05 |
| 36 | hydro_max_NW | hydro_max_NW | mn_hydro_max_A1 | mn_hydro_max_A1 | mn_hydro_max_A1 | mn_hydro_max_A1 | mn_hydro_max_A1 | mn_hydro_max_A1 | mn_hydro_max_A1 | mn_hydro_max_A1 |
| 37 | hydro_min_NW | hydro_min_NW | mn_hydro_min | mn_hydro_min | mn_hydro_min | mn_hydro_min | mn_hydro_min | mn_hydro_min | mn_hydro_min | mn_hydro_min |
| 38 | hydro_sus_hrs_NW | hydro_sus_hrs_NW | mn_hydro_sus_hrs_A1 | mn_hydro_sus_hrs_A1 | mn_hydro_sus_hrs_A1 | mn_hydro_sus_hrs_A1 | mn_hydro_sus_hrs_A1 | mn_hydro_sus_hrs_A1 | mn_hydro_sus_hrs_A1 | mn_hydro_sus_hrs_A1 |
| 39 | hydro_sus_max_NW | hydro_sus_max_NW | mn_hydro_sus_max_A1 | mn_hydro_sus_max_A1 | mn_hydro_sus_max_A1 | mn_hydro_sus_max_A1 | mn_hydro_sus_max_A1 | mn_hydro_sus_max_A1 | mn_hydro_sus_max_A1 | mn_hydro_sus_max_A1 |
| 40 | hydro_vector | hydro_vector | mn_hydro_shape_60 | mn_hydro_shape_60 | mn_hydro_shape_60 | mn_hydro_shape_60 | mn_hydro_shape_60 | mn_hydro_shape_60 | mn_hydro_shape_60 | mn_hydro_shape_60 |
| 41 | 1052 | NW Hy Su Mx (Low) | mn_hydro_sus_max_A1low | mn_hydro_sus_max_A1low | mn_hydro_sus_max_A1low | mn_hydro_sus_max_A1low | mn_hydro_sus_max_A1low | mn_hydro_sus_max_A1low | mn_hydro_sus_max_A1low | mn_hydro_sus_max_A1low |
| 42 | hydro_vector_30 | hydro_vector_30 | mn_hydro_shape_30 | mn_hydro_shape_30 | mn_hydro_shape_30 | mn_hydro_shape_30 | mn_hydro_shape_30 | mn_hydro_shape_30 | mn_hydro_shape_30 | mn_hydro_shape_30 |
| 43 | 1054 | Wheeling 1 to 2 | mn_wheeling_area_1_2 | mn_wheeling_area_1_2 | mn_wheeling_area_1_2 | mn_wheeling_area_1_2 | mn_wheeling_area_1_2 | mn_wheeling_area_1_2 | mn_wheeling_area_1_2 | mn_wheeling_area_1_2 |
| 44 | 1055 | Wheeling 1 to 3 | mn_wheeling_area_1_3 | mn_wheeling_area_1_3 | mn_wheeling_area_1_3 | mn_wheeling_area_1_3 | mn_wheeling_area_1_3 | mn_wheeling_area_1_3 | mn_wheeling_area_1_3 | mn_wheeling_area_1_3 |
| 45 | hydro_vector_95 | hydro_vector_95 | mn_hydro_shape_95 | mn_hydro_shape_95 | mn_hydro_shape_95 | mn_hydro_shape_95 | mn_hydro_shape_95 | mn_hydro_shape_95 | mn_hydro_shape_95 | mn_hydro_shape_95 |

TABLE 15
Time Series Annual

| | A | B | C | D | E | F | G | H | I | J |
|----|--------------------------|------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1 | ID | Use | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| 46 | demand_escal_CA | demand_escal_CA | 2.10 | 2.10 | 2.10 | 2.10 | 2.00 | 2.00 | 2.00 | 2.00 |
| 47 | demand_escal_NW | demand_escal_NW | 2.20 | 2.10 | 1.90 | 2.10 | 1.70 | 1.70 | 1.70 | 1.70 |
| 48 | demand_escal_RM | demand_escal_RM | 2.30 | 1.90 | 2.10 | 2.00 | 1.90 | 2.20 | 2.00 | 2.00 |
| 49 | demand_escal_SW | demand_escal_SW | 3.10 | 3.40 | 2.70 | 2.70 | 2.60 | 2.50 | 2.50 | 2.50 |
| 50 | gas_price_HH | gas_price_HH | 8.15 | 4.11 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 |
| 51 | max_WT_add | max_WT_add | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 52 | gas_price_AB | gas_price_AB | 7.75 | 3.75 | 4.76 | 4.70 | 4.71 | 4.72 | 4.73 | 4.74 |
| 53 | gas_price_AZ | gas_price_AZ | 7.07 | 3.34 | 4.60 | 4.59 | 4.69 | 4.79 | 4.76 | 4.77 |
| 54 | gas_price_BC | gas_price_BC | 7.75 | 3.75 | 4.76 | 4.70 | 4.71 | 4.72 | 4.73 | 4.74 |
| 55 | gas_price_CO | gas_price_CO | 7.02 | 3.29 | 4.55 | 4.53 | 4.63 | 4.73 | 4.71 | 4.72 |
| 56 | gas_price_ID | gas_price_ID | 6.38 | 2.95 | 3.99 | 4.26 | 4.37 | 4.48 | 4.58 | 4.67 |
| 57 | gas_price_MT | gas_price_MT | 6.36 | 2.93 | 3.97 | 4.24 | 4.35 | 4.45 | 4.55 | 4.65 |
| 58 | gas_price_NC | gas_price_NC | 7.87 | 3.87 | 4.88 | 4.82 | 4.83 | 4.84 | 4.85 | 4.86 |
| 59 | gas_price_NM | gas_price_NM | 6.99 | 3.26 | 4.52 | 4.50 | 4.60 | 4.70 | 4.67 | 4.69 |
| 60 | gas_price_NV | gas_price_NV | 7.13 | 3.40 | 4.66 | 4.64 | 4.74 | 4.84 | 4.82 | 4.83 |
| 61 | gas_price_NW | gas_price_NW | 7.78 | 3.77 | 4.79 | 4.73 | 4.74 | 4.75 | 4.76 | 4.77 |
| 62 | gas_price_SC | gas_price_SC | 7.14 | 3.41 | 4.67 | 4.65 | 4.75 | 4.85 | 4.82 | 4.84 |
| 63 | gas_price_UT | gas_price_UT | 6.38 | 2.95 | 3.99 | 4.26 | 4.37 | 4.48 | 4.58 | 4.67 |
| 64 | gas_price_WY | gas_price_WY | 6.44 | 3.01 | 4.05 | 4.32 | 4.43 | 4.53 | 4.63 | 4.72 |
| 65 | NW_Gas_shape | NW_Gas_shape | mn_gas_shape_2008 | mn_gas_shape_2009 | mn_gas_shape_2010 | mn_gas_shape_2011 | mn_gas_shape_2012 | mn_gas_shape_2013 | mn_gas_shape_2014 | mn_gas_shape_2015 |
| 66 | SW_Gas_shape | SW_Gas_shape | mn_gas_shape_2008 | mn_gas_shape_2009 | mn_gas_shape_2010 | mn_gas_shape_2011 | mn_gas_shape_2012 | mn_gas_shape_2013 | mn_gas_shape_2014 | mn_gas_shape_2015 |
| 67 | PlanningMargin15% | Pool Planning Reserve Margin | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 68 | PlanningMargin12% | Pool Planning Reserve Margin | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 69 | PlanningMargin5% | Zone Planning Reserve Margin | 2 | 3 | 4 | 5 | 5 | 5 | 5 | 5 |
| 70 | PlanningMargin-10% | Zone Planning Reserve Margin | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| 71 | PlanningMarginGrowTo15% | Pool Planning Reserve Margin | 4 | 8 | 12 | 15 | 15 | 15 | 15 | 15 |
| 72 | PlanningMargin-99% | Zone Planning Reserve Margin | -99 | -99 | -99 | -99 | -99 | -99 | -99 | -99 |
| 73 | PlanningMargin10to15% | Pool Planning Reserve Margin | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 74 | NOxPrice | EmissionTypes table | mn_NOx_Price | mn_NOx_Price | mn_NOx_Price | mn_NOx_Price | mn_NOx_Price | mn_NOx_Price | mn_NOx_Price | mn_NOx_Price |
| 75 | NOxLimit | EmissionTypes table | mn_NOx_Limit | mn_NOx_Limit | mn_NOx_Limit | mn_NOx_Limit | mn_NOx_Limit | mn_NOx_Limit | mn_NOx_Limit | mn_NOx_Limit |
| 76 | GHGPrice | EmissionTypes table | mn_GHG_Price | mn_GHG_Price | mn_GHG_Price | mn_GHG_Price | mn_GHG_Price | mn_GHG_Price | mn_GHG_Price | mn_GHG_Price |
| 77 | GHGLimit | EmissionTypes table | mn_GHG_Limit | mn_GHG_Limit | mn_GHG_Limit | mn_GHG_Limit | mn_GHG_Limit | mn_GHG_Limit | mn_GHG_Limit | mn_GHG_Limit |
| 78 | NewScrubbedCoal_HeatRate | New Resources by EMM Region | 8,844 | 8,844 | 8,844 | 8,824 | 8,803 | 8,783 | 8,763 | 8,742 |
| 79 | IGCC_HeatRate | New Resources by EMM Region | 8,309 | 8,309 | 8,309 | 8,217 | 8,124 | 8,032 | 7,939 | 7,847 |
| 80 | 400Adv_GasOilCC_HeatRate | New Resources by EMM Region | 7,140 | 6,717 | 6,682 | 6,647 | 6,612 | 6,577 | 6,543 | 6,508 |
| 81 | 230Adv_CT_HeatRate | New Resources by EMM Region | 9,166 | 9,104 | 9,043 | 8,981 | 8,920 | 8,858 | 8,797 | 8,735 |
| 82 | coal_Can | Fuel Table Coal Prices | 1.48 | 1.54 | 1.52 | 1.47 | 1.58 | 1.58 | 1.57 | 1.55 |
| 83 | coal_EIA_DR01_NE | Fuel Table Coal Prices | 2.95 | 3.12 | 3.26 | 3.35 | 3.34 | 3.40 | 3.47 | 3.50 |
| 84 | coal_EIA_DR02_YP | Fuel Table Coal Prices | 1.85 | 1.89 | 1.98 | 2.01 | 1.99 | 1.98 | 1.96 | 1.95 |
| 85 | coal_EIA_DR03_SA | Fuel Table Coal Prices | 2.17 | 2.22 | 2.20 | 2.16 | 2.10 | 2.07 | 2.04 | 2.01 |
| 86 | coal_EIA_DR04_GF | Fuel Table Coal Prices | 2.46 | 2.55 | 2.61 | 2.46 | 2.37 | 2.33 | 2.30 | 2.28 |
| 87 | coal_EIA_DR06_EN | Fuel Table Coal Prices | 1.50 | 1.55 | 1.58 | 1.58 | 1.55 | 1.54 | 1.52 | 1.51 |
| 88 | coal_EIA_DR07_KT | Fuel Table Coal Prices | 1.79 | 1.83 | 1.85 | 1.82 | 1.80 | 1.77 | 1.76 | 1.73 |
| 89 | coal_EIA_DR08_AM | Fuel Table Coal Prices | 1.98 | 2.05 | 2.07 | 2.03 | 1.98 | 1.97 | 1.96 | 1.95 |

TABLE 15
Time Series Annual

| | A | B | C | D | E | F | G | H | I | J |
|-----|------------------------------|-------------------------------------|-------------------------|-------------------------|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1 | ID | Use | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| 90 | coal_EIA_DR09_CW | Fuel Table Coal Prices | 1.17 | 1.20 | 1.23 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 |
| 91 | coal_EIA_DR10_WS | Fuel Table Coal Prices | 1.39 | 1.42 | 1.46 | 1.47 | 1.48 | 1.47 | 1.48 | 1.48 |
| 92 | coal_EIA_DR11_MT | Fuel Table Coal Prices | 1.01 | 1.07 | 1.10 | 1.10 | 1.08 | 1.08 | 1.07 | 1.07 |
| 93 | coal_EIA_DR12_CU | Fuel Table Coal Prices | 1.36 | 1.40 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.41 |
| 94 | coal_EIA_DR13_ZN | Fuel Table Coal Prices | 1.59 | 1.57 | 1.59 | 1.60 | 1.59 | 1.58 | 1.58 | 1.57 |
| 95 | coal_EIA_DR14_PC | Fuel Table Coal Prices | 1.48 | 1.54 | 1.52 | 1.47 | 1.58 | 1.58 | 1.57 | 1.55 |
| 96 | coal_Ont | Fuel Table Coal Prices | 1.41 | 1.45 | 1.49 | 1.48 | 1.46 | 1.44 | 1.42 | 1.41 |
| 97 | coal_Que | Fuel Table Coal Prices | 1.47 | 1.52 | 1.55 | 1.55 | 1.53 | 1.51 | 1.49 | 1.48 |
| 98 | FOM_Wind_EMM_11 | New Resources by EMM Region | 2,844 | 2,844 | 2,844 | 2,844 | 2,844 | 2,844 | 2,844 | 2,844 |
| 99 | FOM_Wind_EMM_12 | New Resources by EMM Region | 2,837 | 2,837 | 2,837 | 2,837 | 2,837 | 2,837 | 2,837 | 2,837 |
| 100 | FOM_Wind_EMM_13 | New Resources by EMM Region | 2,854 | 2,854 | 2,854 | 2,854 | 2,854 | 2,854 | 2,854 | 2,854 |
| 101 | FOM_230Adv_CT_EMM_11 | New Resources by EMM Region | 1,059 | 1,105 | 1,101 | 1,099 | 1,094 | 1,092 | 1,088 | 1,086 |
| 102 | FOM_230Adv_CT_EMM_12 | New Resources by EMM Region | 1,056 | 1,102 | 1,098 | 1,096 | 1,091 | 1,088 | 1,085 | 1,082 |
| 103 | FOM_230Adv_CT_EMM_13 | New Resources by EMM Region | 1,064 | 1,110 | 1,105 | 1,103 | 1,099 | 1,096 | 1,092 | 1,090 |
| 104 | FOM_400Adv_Gas_Oil_CC_EMM_11 | New Resources by EMM Region | 1,623 | 1,609 | 1,605 | 1,600 | 1,596 | 1,591 | 1,587 | 1,582 |
| 105 | FOM_400Adv_Gas_Oil_CC_EMM_12 | New Resources by EMM Region | 1,619 | 1,606 | 1,601 | 1,597 | 1,592 | 1,587 | 1,583 | 1,578 |
| 106 | FOM_400Adv_Gas_Oil_CC_EMM_13 | New Resources by EMM Region | 1,628 | 1,614 | 1,610 | 1,605 | 1,601 | 1,596 | 1,591 | 1,587 |
| 107 | FOM_IGCC_EMM_11 | New Resources by EMM Region | 4,054 | 4,033 | 4,020 | 4,006 | 3,993 | 3,978 | 3,963 | 3,950 |
| 108 | FOM_IGCC_EMM_12 | New Resources by EMM Region | 4,045 | 4,025 | 4,011 | 3,997 | 3,984 | 3,969 | 3,954 | 3,941 |
| 109 | FOM_IGCC_EMM_13 | New Resources by EMM Region | 4,066 | 4,046 | 4,032 | 4,019 | 4,005 | 3,990 | 3,975 | 3,962 |
| 110 | FOM_NewScrubbedCoal_EMM_11 | New Resources by EMM Region | 3,432 | 3,409 | 3,402 | 3,393 | 3,387 | 3,379 | 3,371 | 3,364 |
| 111 | FOM_NewScrubbedCoal_EMM_12 | New Resources by EMM Region | 3,425 | 3,403 | 3,396 | 3,387 | 3,380 | 3,372 | 3,364 | 3,357 |
| 112 | FOM_NewScrubbedCoal_EMM_13 | New Resources by EMM Region | 3,441 | 3,418 | 3,412 | 3,402 | 3,396 | 3,388 | 3,380 | 3,373 |
| 113 | Residual | Residual Fuel Price | mn_ResidualMoDiff2008 | mn_ResidualMoDiff2009 | 1.33 | 0.92 | 0.59 | 0.49 | 0.37 | 0.17 |
| 114 | Distillate | Distillate Fuel Price | mn_DistillateMoDiff2008 | mn_DistillateMoDiff2009 | mn_DistillateMoDiff2010 | 8.96 | 7.39 | 5.65 | 3.94 | 3.62 |
| 115 | 1071 | gas_price_HH | 8.15 | 4.11 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 |
| 116 | 1005 | Monthly Shape for Fuel | mn_HenryMoShape2008 | mn_HenryMoShape2009 | mn_HenryMoShape2010 | mn_HenryMoShape2011 | mn_HenryMoShape2012 | mn_HenryMoShape2013 | mn_HenryMoShape2014 | mn_HenryMoShape2015 |
| 117 | NGVOM | Conv Gas/Oil Comb Cycle | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 |
| 118 | NGVOM1 | Adv Combustion Turbine | 4.49 | 4.49 | 4.49 | 4.49 | 4.49 | 4.49 | 4.49 | 4.49 |
| 119 | NGVOM2 | Conv Combustion Turbine | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 |
| 120 | NGFOM | Conv Gas/Oil Comb Cycle | 180.77 | 180.77 | 180.77 | 180.77 | 180.77 | 180.77 | 180.77 | 180.77 |
| 121 | NGFOM1 | Adv Combustion Turbine | 152.46 | 152.46 | 152.46 | 152.46 | 152.46 | 152.46 | 152.46 | 152.46 |
| 122 | NGFOM2 | Conv Combustion Turbine | 175.38 | 175.38 | 175.38 | 175.38 | 175.38 | 175.38 | 175.38 | 175.38 |
| 123 | demand_escal_Canada | demand_escal_Canada | 2.20 | 2.10 | 1.90 | 2.10 | 1.70 | 1.70 | 1.70 | 1.70 |
| 124 | MaxPerYear02 | NewResources table AnnualMax Vector | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 125 | MaxPerYear05 | NewResources table AnnualMax vector | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 126 | MaxPerYear10 | NewResources table AnnualMax vector | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 10 |
| 127 | MaxPerYear01 | NewResources table AnnualMax vector | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 128 | CoalMaxPerYear1 | NewResources table AnnualMax vector | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

TABLE 16
Time Series Monthly

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----|---------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | ID | Use | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | hydro_shape_40 | hydro_shape_40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 3 | hydro_shape_05 | hydro_shape_05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 4 | hydro_shape_30 | hydro_shape_30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.15 | 0.15 | 0.20 | 0.15 | 0.30 | 0.30 | 0.30 | 0.30 |
| 5 | hydro_max_95 | hydro_max_95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| 6 | hydro_min_05 | hydro_min_05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 7 | hydro_sus_hrs | hydro_sus_hrs | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| 8 | hydro_sus_max | hydro_sus_max | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| 9 | hydro_max_A1 | hydro_max_A1 | 1.06 | 1.06 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.06 |
| 10 | hydro_min | hydro_min | 0.14 | 0.14 | 0.14 | 0.14 | 0.44 | 0.44 | 0.24 | 0.24 | 0.14 | 0.14 | 0.14 | 0.14 |
| 11 | hydro_sus_hrs_A1 | hydro_sus_hrs_A1 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| 12 | hydro_sus_max_A1 | hydro_sus_max_A1 | 0.96 | 0.99 | 1.00 | 0.97 | 0.94 | 0.92 | 0.96 | 0.87 | 0.80 | 0.74 | 0.77 | 0.97 |
| 13 | hydro_sus_max-Allow | hydro_sus_max-Allow | 0.61 | 0.69 | 0.67 | 0.82 | 0.94 | 0.85 | 0.71 | 0.79 | 0.73 | 0.73 | 0.73 | 0.71 |
| 14 | hydro_shape_60 | hydro_shape_60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| 15 | 20 | Fuel Shape AZ | 0.87 | 1.47 | 1.16 | 0.82 | 0.93 | 0.90 | 0.87 | 0.63 | 0.76 | 0.97 | 1.20 | 1.41 |
| 16 | 21 | Fuel Shape CA | 0.84 | 1.43 | 1.27 | 0.93 | 0.81 | 0.80 | 0.84 | 0.82 | 0.86 | 0.96 | 1.04 | 1.39 |
| 17 | 22 | Fuel Shape CO | 0.74 | 1.34 | 1.18 | 0.81 | 0.88 | 0.89 | 0.82 | 0.90 | 0.99 | 0.86 | 1.04 | 1.53 |
| 18 | 23 | Fuel Shape NV | 0.99 | 1.00 | 1.09 | 0.96 | 0.94 | 0.93 | 0.98 | 0.92 | 0.94 | 1.12 | 1.11 | 1.02 |
| 19 | 24 | Fuel Shape NM | 0.85 | 1.50 | 1.05 | 0.74 | 0.76 | 0.88 | 0.88 | 0.91 | 0.91 | 1.04 | 1.08 | 1.40 |
| 20 | 25 | Forced Outage Rates | 10 | 10 | 10 | 20 | 20 | 20 | 5 | 5 | 5 | 10 | 10 | 10 |
| 21 | 26 | Forced Outage Flat | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 22 | fuel_shape_HH | fuel_shape_HH | 1.08 | 1.00 | 0.94 | 0.90 | 0.92 | 0.98 | 1.05 | 1.09 | 1.01 | 0.95 | 0.99 | 1.08 |
| 23 | 28 | Henry Hub Absolute | 2.65 | 2.65 | 2.51 | 2.38 | 2.28 | 2.23 | 2.24 | 2.27 | 2.28 | 2.30 | 2.46 | 2.61 |
| 24 | wheeling_area_1_2 | wheeling_area_1_2 | 2.25 | 2.25 | 2.25 | 2.25 | 3.00 | 4.00 | 6.00 | 7.00 | 6.00 | 2.25 | 2.25 | 2.25 |
| 25 | wheeling_area_1_3 | wheeling_area_1_3 | 2.75 | 2.75 | 2.75 | 2.75 | 4.00 | 5.00 | 7.00 | 8.00 | 7.00 | 3.00 | 2.75 | 2.75 |
| 26 | SPC128 | SPC128 | 1.00 | 1.02 | 1.07 | 1.12 | 1.17 | 1.22 | 1.26 | 1.28 | 1.26 | 1.21 | 1.12 | 1.02 |
| 27 | SPC119 | SPC119 | 1.00 | 1.01 | 1.04 | 1.08 | 1.12 | 1.15 | 1.18 | 1.19 | 1.18 | 1.14 | 1.08 | 1.01 |
| 28 | SPC105 | SPC105 | 1.00 | 1.00 | 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.05 | 1.05 | 1.04 | 1.02 | 1.00 |
| 29 | SPC103 | SPC103 | 1.00 | 1.00 | 1.01 | 1.01 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.02 | 1.01 | 1.00 |
| 30 | 35 | Summer Peak Cap 1% | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 |
| 31 | WPC098 | WPC098 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.99 | 1.00 |
| 32 | WPC095 | WPC095 | 1.00 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 | 0.95 | 0.95 | 0.96 | 0.97 | 0.99 |
| 33 | WPC090 | WPC090 | 1.00 | 1.00 | 0.98 | 0.97 | 0.94 | 0.92 | 0.90 | 0.90 | 0.90 | 0.92 | 0.95 | 0.99 |
| 34 | 39 | Winter Peak Cap 15% | 1.00 | 1.00 | 0.97 | 0.95 | 0.91 | 0.88 | 0.86 | 0.85 | 0.85 | 0.88 | 0.92 | 0.98 |
| 35 | WPC080 | WPC080 | 1.00 | 0.99 | 0.97 | 0.94 | 0.89 | 0.84 | 0.81 | 0.80 | 0.80 | 0.84 | 0.89 | 0.97 |
| 36 | WPC070 | WPC070 | 1.00 | 0.99 | 0.95 | 0.91 | 0.83 | 0.77 | 0.71 | 0.70 | 0.70 | 0.76 | 0.84 | 0.96 |
| 37 | WPC053 | WPC053 | 1.00 | 0.98 | 0.92 | 0.85 | 0.73 | 0.63 | 0.55 | 0.53 | 0.53 | 0.62 | 0.75 | 0.94 |
| 38 | 43 | FOR Nuclear | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 39 | hydro_shape_95 | hydro_shape_95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| 40 | Zero | Zero | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | NOx_Price | NOx Price | 800 | 800 | 800 | 800 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 800 | 800 | 800 |
| 42 | NOx_Limit | NOx Limit | 1.5 | 1.5 | 1.5 | 1.5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.5 | 1.5 | 1.5 |
| 43 | 48 | CA Hydro Shaping | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 44 | 49 | Bid Factors | 1 | 0.8 | 0.5 | 0.7 | 0.8 | 1 | 1 | 0.9 | 0.7 | 0.5 | 0.7 | 1 |
| 45 | 50 | Maintenance Rate Nuclear | 0 | 0 | 15 | 20 | 20 | 0 | 0 | 0 | 10 | 20 | 20 | 5 |
| 46 | 51 | Maintenance Rate Coal | 0 | 0 | 2.5 | 20 | 20 | 0 | 0 | 0 | 10 | 10 | 5 | 0 |
| 47 | gas_shape_NW_2000 | gas_shape_NW_2000 | 0.45 | 0.47 | 0.52 | 0.54 | 0.62 | 0.74 | 0.67 | 0.64 | 0.93 | 0.96 | 1.93 | 3.54 |
| 48 | gas_shape_SW_2000 | gas_shape_SW_2000 | 0.38 | 0.41 | 0.45 | 0.47 | 0.58 | 0.73 | 0.72 | 0.83 | 0.95 | 0.88 | 1.62 | 3.96 |
| 49 | gas_shape_NW_2001 | gas_shape_NW_2001 | 2.13 | 1.60 | 1.36 | 1.38 | 1.09 | 0.83 | 0.63 | 0.65 | 0.45 | 0.62 | 0.59 | 0.65 |
| 50 | gas_shape_SW_2001 | gas_shape_SW_2001 | 1.58 | 2.51 | 1.77 | 1.75 | 1.45 | 0.76 | 0.57 | 0.40 | 0.27 | 0.33 | 0.29 | 0.32 |
| 51 | gas_shape_NW_2002 | gas_shape_NW_2002 | 0.72 | 0.72 | 0.92 | 1.08 | 1.12 | 1.02 | 0.95 | 0.98 | 1.04 | 1.06 | 1.16 | 1.25 |
| 52 | gas_shape_SW_2002 | gas_shape_SW_2002 | 0.72 | 0.72 | 0.92 | 1.08 | 1.12 | 1.02 | 0.95 | 0.98 | 1.04 | 1.06 | 1.16 | 1.25 |
| 53 | gas_shape_2006 | gas_shape_2006 | 1.37 | 1.20 | 1.02 | 1.02 | 0.97 | 0.94 | 0.86 | 0.79 | 0.82 | 0.82 | 1.05 | 1.15 |
| 54 | gas_shape_2007 | gas_shape_2007 | 1.14 | 1.14 | 1.13 | 0.92 | 0.90 | 0.91 | 0.92 | 0.93 | 0.94 | 0.95 | 1.02 | 1.09 |
| 55 | gas_shape_2008 | gas_shape_2008 | 0.92 | 0.95 | 1.03 | 1.11 | 1.08 | 1.30 | 1.01 | 0.97 | 0.94 | 0.88 | 0.88 | 0.91 |
| 56 | gas_shape_2009 | gas_shape_2009 | 1.17 | 1.01 | 0.87 | 0.88 | 0.88 | 0.92 | 0.93 | 0.95 | 0.97 | 1.01 | 1.14 | 1.28 |
| 57 | gas_shape_2010+ | gas_shape_2010+ | 1.07 | 1.07 | 1.04 | 0.95 | 0.95 | 0.96 | 0.97 | 0.97 | 0.98 | 0.98 | 1.01 | 1.05 |
| 58 | fuel_shape_flat | fuel_shape_flat | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 59 | fuel_shape_high | fuel_shape_high | 1.14 | 1.09 | 1.04 | 0.97 | 0.94 | 0.93 | 0.93 | 0.93 | 0.93 | 0.94 | 1.01 | 1.13 |
| 60 | fuel_shape_med | fuel_shape_med | 1.06 | 1.05 | 1.03 | 0.98 | 0.97 | 0.96 | 0.97 | 1.01 | 0.97 | 0.96 | 1.01 | 1.05 |
| 61 | Maint_Coal | Maintenance Coal | 0 | 0 | 0 | 15 | 15 | 0 | 0 | 0 | 0 | 10 | 10 | 0 |

TABLE 16
Time Series Monthly

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-----|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | ID | Use | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 62 | Maint_Nuclear | Maintenance Nuclear | 0 | 5 | 8 | 12 | 12 | 8 | 5 | 0 | 5 | 10 | 12 | 3 |
| 63 | Maint_Gas0 | Maintenance Base Gas | 0 | 0 | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 12 | 12 | 0 |
| 64 | Maint_Gas1 | Maintenance Mid Gas | 0 | 2 | 2 | 12 | 12 | 2 | 0 | 0 | 2 | 12 | 12 | 2 |
| 65 | Maint_Gas2 | Maintenance Peak Gas | 2 | 5 | 7.5 | 12.5 | 12.5 | 5 | 2.5 | 2.5 | 7.5 | 12.5 | 12.5 | 5 |
| 66 | Maint_Dist | Maintenance Distillate | 2 | 5 | 7.5 | 12.5 | 12.5 | 5 | 2.5 | 2.5 | 7.5 | 12.5 | 12.5 | 5 |
| 67 | Maint_Resid | Maintenance Residual | 0 | 0 | 2 | 10 | 12 | 2 | 0 | 0 | 2 | 10 | 8 | 0 |
| 68 | FOR_Coal | Forced Outage Rate Coal | 5 | 5 | 5 | 4 | 4 | 5 | 7 | 7 | 5 | 4 | 4 | 5 |
| 69 | FOR_Nuclear | Forced Outage Rate Nuclear | 10 | 10 | 10 | 9 | 10 | 10 | 11 | 11 | 10 | 10 | 10 | 9 |
| 70 | FOR_Gas0 | Forced Outage Rate Base Gas | 6 | 6 | 5 | 3 | 3 | 5 | 7 | 7 | 5 | 3 | 4 | 6 |
| 71 | FOR_Gas1 | Forced Outage Rate Mid Gas | 10 | 10 | 8 | 3 | 3 | 8 | 12 | 12 | 8 | 3 | 3 | 8 |
| 72 | FOR_Gas2 | Forced Outage Rate Peak Gas | 10 | 10 | 8 | 2 | 2 | 8 | 15 | 15 | 8 | 2 | 2 | 8 |
| 73 | FOR_Dist | Forced Outage Rate Distillate | 10 | 10 | 8 | 2 | 2 | 8 | 15 | 15 | 8 | 2 | 2 | 8 |
| 74 | FOR_Resid | Forced Outage Rate Residual | 10 | 10 | 8 | 3 | 3 | 8 | 12 | 12 | 8 | 3 | 3 | 8 |
| 75 | DistillateMoDiff2006 | FO2 Diff from HH | 3.53 | 4.56 | 6.24 | 7.88 | 9.45 | 7.75 | 7.43 | 6.67 | 6.92 | 6.96 | 7.31 | 5.57 |
| 76 | DistillateMoDiff2007 | FO2 Diff from HH | 4.44 | 4.16 | 5.77 | 6.19 | 6.15 | 6.14 | 5.52 | 5.16 | 5.38 | 5.55 | 4.54 | 4.26 |
| 77 | DistillateMoDiff2008 | FO2 Diff from HH | 9.27 | 9.45 | 12.49 | 13.65 | 13.40 | 11.59 | 10.78 | 10.25 | 10.92 | 11.69 | 10.77 | 9.21 |
| 78 | ResidualMoDiff2006 | FO6 Diff from HH | -0.54 | 0.31 | 1.07 | -0.05 | 2.55 | 1.69 | 1.78 | 1.48 | 2.51 | 1.89 | 0.89 | -0.46 |
| 79 | ResidualMoDiff2007 | FO6 Diff from HH | 0.58 | -0.30 | 0.63 | 0.40 | 0.42 | 0.58 | 0.52 | 0.44 | 0.48 | 0.37 | -0.40 | -1.08 |
| 80 | ResidualMoDiff2008 | FO6 Diff from HH | 3.16 | 2.93 | 2.88 | 2.95 | 3.11 | 2.28 | 2.11 | 2.01 | 2.23 | 2.66 | 2.46 | 1.63 |
| 81 | DistillateMoDiff2009 | FO2 Diff from HH | 9.07 | 9.61 | 10.58 | 12.84 | 12.62 | 10.58 | 9.52 | 8.94 | 9.48 | 9.88 | 9.16 | 7.97 |
| 82 | DistillateMoDiff2010 | FO2 Diff from HH | 9.34 | 9.95 | 10.68 | 12.29 | 11.85 | 10.85 | 10.08 | 9.85 | 10.50 | 11.24 | 10.70 | 9.27 |
| 83 | ResidualMoDiff2009 | FO6 Diff from HH | 1.50 | 1.37 | 1.42 | 3.28 | 3.30 | 2.81 | 2.31 | 1.92 | 1.84 | 1.78 | 1.36 | 0.73 |
| 84 | l | Fuel Shapes HH | 1.08 | 1.00 | 0.94 | 0.90 | 0.92 | 0.98 | 1.05 | 1.09 | 1.01 | 0.95 | 0.99 | 1.08 |
| 85 | HenryMoShape2004 | Fuel Shapes HH | 1.05 | 0.92 | 0.91 | 0.97 | 1.07 | 1.07 | 1.01 | 0.92 | 0.86 | 1.08 | 1.03 | 1.12 |
| 86 | HenryMoShape2005 | Fuel Shapes HH | 0.69 | 0.69 | 0.78 | 0.81 | 0.73 | 0.81 | 0.85 | 1.06 | 1.40 | 1.54 | 1.17 | 1.48 |
| 87 | HenryMoShape2006 | Fuel Shapes HH | 1.28 | 1.12 | 1.01 | 1.02 | 0.82 | 0.95 | 0.95 | 1.03 | 0.80 | 0.84 | 0.97 | 1.21 |
| 88 | HenryMoShape2007 | Fuel Shapes HH | 0.84 | 1.02 | 0.91 | 0.97 | 0.98 | 0.96 | 0.97 | 0.99 | 1.00 | 1.02 | 1.12 | 1.22 |
| 89 | HenryMoShape2008 | Fuel Shapes HH | 0.75 | 0.83 | 0.88 | 0.98 | 0.97 | 1.06 | 1.07 | 1.07 | 1.07 | 1.07 | 1.10 | 1.15 |
| 90 | HenryMoShape2009 | Fuel Shapes HH | 1.13 | 1.13 | 1.11 | 0.94 | 0.93 | 0.94 | 0.95 | 0.95 | 0.95 | 0.96 | 0.99 | 1.02 |
| 91 | HenryMoShape2010 | Fuel Shapes HH | 1.09 | 1.12 | 1.09 | 0.94 | 0.93 | 0.94 | 0.97 | 0.96 | 0.97 | 0.97 | 0.98 | 1.04 |
| 92 | HenryMoShape2011 | Fuel Shapes HH | 1.07 | 1.13 | 1.07 | 0.99 | 0.93 | 0.96 | 0.94 | 0.95 | 0.99 | 0.95 | 0.97 | 1.05 |
| 93 | HenryMoShape2012 | Fuel Shapes HH | 1.08 | 1.09 | 1.06 | 0.96 | 0.97 | 0.87 | 0.96 | 0.98 | 0.93 | 0.98 | 1.01 | 1.12 |
| 94 | HenryMoShape2013 | Fuel Shapes HH | 1.06 | 1.08 | 1.05 | 0.95 | 0.96 | 0.96 | 0.97 | 0.97 | 0.97 | 0.98 | 1.01 | 1.05 |
| 95 | HenryMoShape2014 | Fuel Shapes HH | 1.03 | 1.06 | 1.04 | 0.95 | 0.95 | 0.95 | 0.97 | 0.98 | 0.98 | 0.99 | 1.01 | 1.05 |
| 96 | HenryMoShape2015 | Fuel Shapes HH | 1.08 | 1.00 | 0.94 | 0.90 | 0.92 | 0.98 | 1.05 | 1.09 | 1.02 | 0.95 | 0.99 | 1.08 |
| 97 | HenryMoShape2003 | Fuel Shapes HH | 0.98 | 1.36 | 1.13 | 0.96 | 1.05 | 1.07 | 0.92 | 0.91 | 0.84 | 0.85 | 0.81 | 1.11 |
| 98 | ABCcoalMR | | 4.62 | 4.62 | 4.62 | 4.84 | 4.84 | 4.84 | 3.74 | 3.74 | 3.74 | 0.00 | 0.00 | 0.00 |
| 99 | gas_shape_2010 | gas_shape_2010 | 1.09 | 1.09 | 1.05 | 0.95 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 1.01 | 1.06 |
| 100 | gas_shape_2011 | gas_shape_2011 | 1.09 | 1.09 | 1.05 | 0.95 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 1.01 | 1.06 |
| 101 | gas_shape_2012 | gas_shape_2012 | 1.09 | 1.09 | 1.05 | 0.95 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 1.01 | 1.06 |
| 102 | gas_shape_2013 | gas_shape_2013 | 1.09 | 1.09 | 1.05 | 0.95 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 1.01 | 1.06 |
| 103 | gas_shape_2014 | gas_shape_2014 | 1.09 | 1.09 | 1.05 | 0.95 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 1.01 | 1.06 |
| 104 | gas_shape_2015 | gas_shape_2015 | 1.09 | 1.09 | 1.05 | 0.95 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | 1.01 | 1.06 |

**TABLE 17
Prices**

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | |
|----|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------------------|---------------------------|--|
| 1 | Summary of 70 Water Year Price Forecast (average of 70 different runs) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Hours | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | May-11 | Jun-11 | Jul-11 | Aug-11 | Sep-11 | FY2010 Average | FY2011 Average | |
| 3 | HLH | 33.96 | 36.69 | 40.07 | 46.68 | 44.79 | 43.25 | 38.32 | 37.72 | 37.37 | 40.20 | 45.75 | 43.52 | 43.87 | 43.97 | 44.78 | 47.43 | 46.17 | 44.94 | 39.46 | 38.91 | 38.72 | 42.12 | 47.45 | 44.63 | 40.69 | 43.54 | |
| 4 | Flat | 31.93 | 35.46 | 39.07 | 44.03 | 42.50 | 40.99 | 36.11 | 33.69 | 34.36 | 38.36 | 42.46 | 41.67 | 41.34 | 42.63 | 43.78 | 45.31 | 44.37 | 42.90 | 37.53 | 34.80 | 35.41 | 40.14 | 44.11 | 42.91 | 38.39 | 41.27 | |
| 5 | LLH | 29.23 | 33.84 | 37.74 | 40.51 | 39.47 | 37.99 | 33.19 | 28.34 | 30.36 | 35.92 | 38.09 | 39.22 | 37.99 | 40.84 | 42.44 | 42.49 | 42.00 | 40.21 | 34.96 | 29.36 | 31.02 | 37.52 | 39.67 | 40.64 | 35.32 | 38.26 | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Summary of Risk Adjusted Price Forecast (average of 3,500 different runs) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Hours | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | May-11 | Jun-11 | Jul-11 | Aug-11 | Sep-11 | FY2010 Average | FY2011 Average | |
| 10 | HLH | 34.83 | 37.80 | 41.45 | 47.32 | 46.53 | 44.24 | 39.47 | 38.59 | 38.10 | 40.72 | 46.08 | 45.18 | 45.80 | 46.41 | 47.60 | 49.85 | 48.76 | 46.56 | 41.95 | 41.48 | 40.69 | 43.50 | 48.18 | 47.00 | 41.69 | 45.65 | |
| 11 | Flat | 32.54 | 35.84 | 39.15 | 43.99 | 43.18 | 41.03 | 36.53 | 33.43 | 33.81 | 38.22 | 42.89 | 43.02 | 42.76 | 44.29 | 45.43 | 46.41 | 45.61 | 43.41 | 39.16 | 36.42 | 36.40 | 40.93 | 44.95 | 44.58 | 38.64 | 42.53 | |
| 12 | LLH | 29.51 | 33.25 | 36.11 | 39.59 | 38.73 | 36.77 | 32.63 | 26.59 | 28.13 | 34.90 | 38.66 | 40.15 | 38.73 | 41.49 | 42.55 | 41.86 | 41.43 | 39.22 | 35.48 | 29.73 | 30.72 | 37.52 | 40.67 | 41.36 | 34.58 | 38.40 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Summary of Risk Adjusted Price Forecast Used to Estimate Augmentation Price Risk (average of 3,500 different runs) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Hours | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | May-11 | Jun-11 | Jul-11 | Aug-11 | Sep-11 | FY2010 Average | FY2011 Average | |
| 17 | HLH | 35.53 | 38.63 | 43.04 | 49.84 | 50.69 | 48.65 | 44.74 | 43.77 | 42.48 | 43.93 | 46.35 | 45.78 | 46.53 | 47.25 | 48.92 | 52.35 | 52.34 | 50.62 | 47.01 | 46.52 | 45.45 | 47.09 | 48.49 | 47.50 | 44.45 | 48.34 | |
| 18 | Flat | 33.08 | 36.78 | 41.14 | 47.81 | 48.67 | 46.46 | 42.66 | 38.64 | 38.50 | 41.80 | 43.19 | 43.61 | 43.46 | 45.27 | 47.33 | 50.39 | 50.72 | 48.55 | 45.38 | 41.73 | 41.72 | 44.75 | 45.22 | 45.13 | 41.86 | 45.80 | |
| 19 | LLH | 29.84 | 34.34 | 38.61 | 45.11 | 45.99 | 43.54 | 39.90 | 31.85 | 33.23 | 38.97 | 39.01 | 40.74 | 39.38 | 42.65 | 45.24 | 47.79 | 48.57 | 45.81 | 43.21 | 35.38 | 36.77 | 41.66 | 40.88 | 42.00 | 38.43 | 42.44 | |

TABLE 18
Maintenance Schedule

| | A | B | C | D | E | F |
|---|----|-------|-------------------|------------------|----------------|-------------------------|
| 1 | ID | Name | Zone or Pool Name | Maint Begin Date | Maint End Date | Outage Factor (Percent) |
| 2 | 1 | WNP 2 | BPA | 4/9/2011 01:00 | 7/4/2011 01:00 | 100 |

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