

APPENDIX A: System Data

A1 Existing Generation

Table A1-1: Existing generation plants in PG&E planning area

| Planning Area | Generating Plant | Maximum Capacity |
|---|----------------------------|------------------|
| PG&E - Humboldt | Humboldt Bay | 166 |
| | Kekawaka | 4.9 |
| | Pacific Lumber | 32.5 |
| | LP Samoa | 25 |
| | Fairhaven | 17.3 |
| | Blue Lake | 12 |
| | Humboldt Area Total | 258 |
| PG&E - North Coast and North Bay | Santa Fe | 160 |
| | Bear Canyon | 20 |
| | Westford Flat | 30 |
| | Western Geo | 38 |
| | Geysers 5 | 53 |
| | Geysers 6 | 53 |
| | Geysers 7 | 53 |
| | Geysers 8 | 53 |
| | Geysers 11 | 106 |
| | Geysers 12 | 106 |
| | Geysers 13 | 133 |
| | Geysers 14 | 109 |
| | Geysers 16 | 118 |

| Planning Area | Generating Plant | Maximum Capacity |
|------------------------------------|---------------------|---|
| | Geysers 17 | 118 |
| | Geysers 18 | 118 |
| | Geysers 20 | 118 |
| | Bottle Rock | 55 |
| | SMUD Geo | 72 |
| | Potter Valley | 11 |
| | Geo Energy | 20 |
| | Indian Valley | 3 |
| | Sonoma Landfill | 6 |
| | Exxon | 54 |
| | Monticello | 12 |
| | | North Coast and North Bay Area Total |
| PG&E - North Valley | Pit River | 752 |
| | Battle Creek | 17 |
| | Cow Creek | 5 |
| | North Feather River | 736 |
| | South Feather River | 123 |
| | West Feather River | 26 |
| | Black Butte | 11 |
| | CPV | 717 |
| | Hatchet Ridge Wind | 103 |
| | QFs | 353 |
| | | North Valley Area Total |

| Planning Area | Generating Plant | Maximum Capacity |
|--------------------------------------|------------------------------|------------------|
| PG&E - Central Valley | Wadham | 27 |
| | Woodland Biomass | 25 |
| | UC Davis Co-Gen | 4 |
| | Cal-Peak Vaca Dixon | 49 |
| | Wolfskill Energy Center | 60 |
| | Lambie, Creed and Goosehaven | 143 |
| | EnXco | 60 |
| | Solano | 100 |
| | High Winds | 200 |
| | Shiloh | 300 |
| | Bowman Power House | 4 |
| | Camp Far West (SMUD) | 7 |
| | Chicago Park Power House | 40 |
| | Chili Bar Power House | 7 |
| | Colgate Power House | 294 |
| | Deer Creek Power House | 6 |
| | Drum Power House | 104 |
| | Dutch Plat Power House | 49 |
| | El Dorado Power House | 20 |
| | Feather River Energy Center | 50 |
| French Meadow Power House | 17 | |
| Green Leaf No. 1 | 73 | |
| Green Leaf No. 2 | 50 | |

| Planning Area | Generating Plant | Maximum Capacity |
|----------------------|--------------------------------|-------------------------|
| | Halsey Power House | 11 |
| | Haypress Power House | 15 |
| | Hellhole Power House | 1 |
| | Middle Fork Power House | 130 |
| | Narrows Power House | 66 |
| | Newcastle Power House | 14 |
| | Oxbow Power House | 6 |
| | Ralston Power House | 83 |
| | Rollins Power House | 12 |
| | Spaulding Power House | 17 |
| | SPI-Lincoln | 18 |
| | Ultra Rock (Rio Bravo-Rocklin) | 25 |
| | Wise Power House | 20 |
| | Yuba City Co-Generation | 49 |
| | Yuba City Energy Center | 61 |
| | Altamont Co-Generation | 7 |
| | Camanche Power House | 11 |
| | Co-generation National POSDEF | 44 |
| | Electra Power House | 101 |
| | Flowind Wind Farms | 76 |
| | GWF Tracy Peaking Plant | 192 |
| | Ione Energy | 18 |
| | Lodi CT | 25 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|---------------------------------------|------------------|
| | Lodi Stigg | 57 |
| | Pardee Power House | 29 |
| | Salt Springs Power House | 42 |
| | San Joaquin Co-Generation | 55 |
| | Simpson Paper Co-Generation | 50 |
| | Stockton Co-Generation (Air Products) | 50 |
| | Stockton Waste Water Facility | 2 |
| | Thermal Energy | 21 |
| | Tiger Creek Power House | 55 |
| | US Wind Power Farms | 158 |
| | West Point Power House | 14 |
| | Lodi Energy Center | 280 |
| | GWF Tracy Expansion | 145 |
| | Beardsley Power House | 11 |
| | Donnells Power House | 68 |
| | Fiberboard (Sierra Pacific) | 6 |
| | Melones Power Plant | 119 |
| | Pacific Ultra Power Chinese Station | 22 |
| | Sand Bar Power House | 15 |
| | Spring Gap Power House | 7 |
| | Stanislaus Power House | 83 |
| | Stanislaus Waste Co-gen | 24 |
| | Tulloch Power House | 17 |

| Planning Area | Generating Plant | Maximum Capacity |
|---|--------------------------------------|------------------|
| | Central Valley Area Total | 3,970 |
| PG&E - Greater Bay Area | Alameda Gas Turbines | 51 |
| | Calpine Gilroy I | 182 |
| | Crockett Co-Generation | 243 |
| | Delta Energy Center | 965 |
| | Marsh Landing | 774 |
| | Russell City – East Shore EC | 600 |
| | High Winds, LLC | 162 |
| | Los Esteros Critical Energy Facility | 293 |
| | Los Medanos Energy Center | 678 |
| | Mariposa Peaker | 196 |
| | Metcalf Energy Center | 575 |
| | Oakland C Gas Turbines | 165 |
| | Donald Von Raesfeld Power Plant | 182 |
| | Pittsburg Power Plant | 1,360 |
| | Riverview Energy Center | 61 |
| | Ox Mountain | 13 |
| Gateway Generating Station | 599 | |
| | Greater Bay Area Total | 7048 |
| PG&E - Greater Fresno Area | Fresno Cogen-Agrico | 79.9 |
| | Balch 1 PH | 31 |
| | Balch 2 PH | 25 |
| | Mendota Biomass Power | 107 |

| Planning Area | Generating Plant | Maximum Capacity |
|----------------------|-----------------------------------|-------------------------|
| | Chow 2 Peaker Plant | 52.5 |
| | Chevron USA (Coalinga) | 25 |
| | Chow II Biomass to Energy | 12.5 |
| | Coalinga Cogeneration Company | 46 |
| | CalPeak Power – Panoche LLC | 49 |
| | Crane Valley | 0.9 |
| | Corcoran PB | 20 |
| | Dinuba Generation Project | 13.5 |
| | El Nido Biomass to Energy | 12.5 |
| | Exchequer Hydro | 94.5 |
| | Fresno Waste Water | 9 |
| | Friant Dam | 27.3 |
| | GWF Henrietta Peaker Plant | 109.6 |
| | HEP Peaker Plant Aggregate | 102 |
| | Hanford L.P. | 23 |
| | Hass PH Unit 1 &2 Aggregate | 146.2 |
| | Helms Pump-Gen | 1,212 |
| | J.R. Wood | 10.8 |
| | Kerkhoff PH1 | 32.8 |
| | Kerkhoff PH2 | 142 |
| | Kingsburg Cogen | 34.5 |
| | Kings River Hydro | 51.5 |
| | Kings River Conservation District | 112 |

| Planning Area | Generating Plant | Maximum Capacity |
|-----------------------------|-----------------------------------|----------------------------------|
| | Liberty V Lost Hills | 20 |
| | Madera | 28.7 |
| | McSwain Hydro | 10 |
| | Merced Falls | 4 |
| | O'Neill Pump-Gen | 11 |
| | Panoche Energy Center | 410 |
| | Pine Flat Hydro | 189.9 |
| | Sanger Cogen | 38 |
| | San Joaquin 2 | 3.2 |
| | San Joaquin 3 | 4.2 |
| | Starwood Panoche | 121.8 |
| | Stratford | 20 |
| | Rio Bravo Fresno (AKA Ultrapower) | 26.5 |
| | Wellhead Power Gates, LLC | 49 |
| | Wellhead Power Panoche, LLC | 49 |
| | Wishon/San Joaquin #1-A Aggregate | 20.4 |
| | | Greater Fresno Area Total |
| PG&E - Kern Area | Badger Creek (PSE) | 49 |
| | Chalk Cliff | 48 |
| | Cymric Cogen (Chevron) | 21 |
| | Cadet (Chev USA) | 12 |
| | Dexzel | 33 |
| | Discovery | 44 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|-----------------------------|------------------|
| | Double C (PSE) | 45 |
| | Elk Hills | 623 |
| | Frito Lay | 8 |
| | Hi Sierra Cogen | 49 |
| | Kern | 177 |
| | Kern Canyon Power House | 11 |
| | Kernfront | 49 |
| | Kern Ridge (South Belridge) | 76 |
| | La Paloma Generation | 926 |
| | Midsun | 25 |
| | Mt. Poso | 56 |
| | Navy 35R | 65 |
| | Oildale Cogen | 40 |
| | Bear Mountain Cogen (PSE) | 69 |
| | Live Oak (PSE) | 48 |
| | McKittrick (PSE) | 45 |
| | Rio Bravo Hydro | 11 |
| | Shell S.E. Kern River | 27 |
| | Solar Tannenhill | 18 |
| | Sunset | 225 |
| | North Midway (Texaco) | 24 |
| | Sunrise (Texaco) | 338 |
| | Sunset (Texaco) | 239 |

| Planning Area | Generating Plant | Maximum Capacity |
|--|--|------------------|
| | Midset (Texaco) | 42 |
| | Lost Hills (Texaco) | 9 |
| | Ultra Power (OGLE) | 45 |
| | University Cogen | 36 |
| | New RPS Units | 55 |
| | Kern Area Total | 3,588 |
| PG&E - Central Coast and Los Padres | Moss Landing Power Plant | 2,600 |
| | Soledad Energy | 10 |
| | Basic Energy Cogen (King City) | 120 |
| | King City Peaker | 61 |
| | Sargent Canyon Cogen (Oilfields) | 50 |
| | Salinas River Cogen (Oilfields) | 45 |
| | Diablo Canyon Power Plant | 2,400 |
| | Union Oil (Tosco) | 6 |
| | Santa Maria | 8 |
| | Vandenberg Air Force Base | 15 |
| | Topaz | 550 |
| | California Valley Solar | 250 |
| | Central Coast and Los Padres Area Total | 6,115 |

Table A1-2: Existing generation plants in SCE planning area

| Planning Area | Generating Plant | Maximum Capacity |
|---|---------------------|------------------|
| SCE - Tehachapi and Big Creek Corridor | Big Creek 1-1 Gen 1 | 19.9 |
| | Big Creek 1-1 Gen 2 | 21.6 |
| | Big Creek 1-2 Gen 3 | 21.6 |
| | Big Creek 1-2 Gen 4 | 31.2 |
| | Big Creek 2-1 Gen 1 | 50.8 |
| | Big Creek 2-1 Gen 2 | 52.0 |
| | Big Creek 2-2 Gen 3 | 18.7 |
| | Big Creek 2-2 Gen 4 | 19.7 |
| | Big Creek 2-3 Gen 5 | 17.0 |
| | Big Creek 2-3 Gen 6 | 18.5 |
| | Big Creek 3-1 Gen 1 | 35.0 |
| | Big Creek 3-1 Gen 2 | 35.0 |
| | Big Creek 3-2 Gen 3 | 35.0 |
| | Big Creek 3-2 Gen 4 | 41.0 |
| | Big Creek 3-3 Gen 5 | 39.0 |
| | Big Creek 4 Gen 41 | 50.4 |
| | Big Creek 4 Gen 41 | 50.6 |
| | Big Creek 8 Gen 81 | 24.4 |
| | Big Creek 8 Gen 81 | 44.0 |
| | Eastwood | 207.0 |
| Mammoth 1G | 93.5 | |
| Mammoth 2G | 93.5 | |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|-------------------------------------|------------------|
| | Portal | 9.6 |
| | Warne 1 | 38.0 |
| | Warne 2 | 38.0 |
| | Pandol 1 | 56.0 |
| | Pandol 2 | 56.0 |
| | Ultragen | 41.0 |
| | Omar 1G | 90.8 |
| | Omar 2G | 90.8 |
| | Omar 3G | 90.8 |
| | Omar 4G | 90.8 |
| | SYCCYN 1G | 75.0 |
| | SYCCYN 2G | 75.0 |
| | SYCCYN 3G | 75.0 |
| | SYCCYN 4G | 75.0 |
| | Pastoria Energy Facility | 770.0 |
| | Manzana Wind Project | 189.0 |
| | Pacific Wind Project | 140.0 |
| | Coram Brodie Wind Project Expansion | 51.0 |
| | Coram Brodie Wind Project Phase 2 | 51.0 |
| | Suncreek (Alta 2012) | 168.0 |
| | CPC Alta Wind 4-5 (fka CPC East) | 420.0 |
| | CPC Alta Wind 1-3 (fka CPC West) | 600.0 |
| | Windstar I Alternate | 120.0 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|-----------------------|------------------|
| | North Sky River Wind | 162.0 |
| | Alta 6 | 360.0 |
| | Avalon Solar | 110.0 |
| | KR 3-1 | 22.8 |
| | KR 3-2 | 21.5 |
| | LakeGen | 18.0 |
| | Wellhead Power Delano | 49.9 |
| | Kawgen | 18.0 |
| | Avenue | 310.0 |
| | Kingsbird | 270.0 |
| | AV Solar 1 | 230.0 |
| | Arbwind | 21.8 |
| | Canwind | 65.0 |
| | Enwind | 47.1 |
| | Flowind | 40.8 |
| | Dutchwind | 14.0 |
| | Northwind | 19.4 |
| | Oakwind | 21.1 |
| | Southwind | 13.4 |
| | Zondwind | 26.0 |
| | Breeze | 12.5 |
| | Midwind | 18.0 |
| | Morwind | 56.0 |

| Planning Area | Generating Plant | Maximum Capacity |
|------------------------------------|---|------------------|
| | Kern River | 24.0 |
| | Borel | 10.0 |
| | Alta Vista Suntower Generating Station | 66.0 |
| | Antelope Power Plant | 20.0 |
| | Down | 20.0 |
| | Twilight | 20.0 |
| | Tehachapi and Big Creek Corridor Total | 6,518 |
| SCE - East of Lugo Area | Desert Star Energy Star | 495 |
| | Mountain Pass - Ivanpah Solar | 389 |
| | Copper Mountain Solar I | 58 |
| | Copper Mountain Solar II | 92 |
| | East of Lugo Area Total | 1,034 |
| SCE - North of Lugo | BSPHYD26 | 13.3 |
| | BSPHYD34 | 15.9 |
| | POOLE | 10.9 |
| | LUNDY | 30 |
| | RUSH | 30 |
| | CSA DIAB | 24 |
| | BLM E7G | 24 |
| | BLM E8G | 24 |
| | BLM W9G | 30 |
| | BORAX I | 47 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|------------------|------------------|
| | CALGEN1G | 32.2 |
| | CALGEN2G | 30 |
| | CALGEN3G | 30 |
| | KERRMGEE | 55 |
| | LUZ (8 & 9) | 184 |
| | MC GEN | 108 |
| | MOGEN G | 60 |
| | NAVYII4G | 30 |
| | NAVYII5G | 30 |
| | NAVYII6G | 30 |
| | OXBOW G1 | 56 |
| | SEGS 1G | 20 |
| | SEGS 2G | 32.6 |
| | SUNGEN3G | 34 |
| | SUNGEN4G | 34 |
| | SUNGEN5G | 34 |
| | SUNGEN6G | 35 |
| | SUNGEN7G | 35 |
| | ALTA 1G | 65 |
| | ALTA 2G | 81 |
| | ALTA31GT | 66.5 |
| | ALTA32GT | 66.5 |
| | ALTA 3ST | 108 |

| Planning Area | Generating Plant | Maximum Capacity |
|-------------------------------|---------------------------------|------------------|
| | ALTA41GT | 66.5 |
| | ALTA42GT | 66.5 |
| | ALTA 4ST | 108 |
| | HIDEDCT1 | 180 |
| | HIDEDCT2 | 180 |
| | HIDEDCT3 | 180 |
| | HIDEDST1 | 330 |
| | KERRGEN | 17 |
| | North of Lugo Area Total | 2,616 |
| SCE - Eastern Area | Blythe Energy Center | 520 |
| | Indigo Peaker | 136 |
| | Cabazon Wind | 42.6 |
| | Mountainview IV Wind | 42 |
| | Wintec 5 Wind | 3.7 |
| | Wintec 6 Wind | 45 |
| | Pacificorp Wind | 2.1 |
| | FPLE Green 1 Wind | 8.7 |
| | FPLE Green 2 Wind | 3.0 |
| | FPLE Green 3 Wind | 6.8 |
| | Wintec 2 Wind | 16.5 |
| | Wintec 3 Wind | 11.6 |
| | Wintec 4 Wind | 16.5 |
| | Seawest 1 Wind | 44.4 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|------------------------------|------------------|
| | Seawest 2 Wind | 22.2 |
| | Seawest 3 Wind | 22.4 |
| | Renwind Wind | 9.0 |
| | Whitewater Wind | 66 |
| | Altamesa 4 Wind | 40 |
| | Painted Hills Wind | 16.9 |
| | Altwind QF 1 | 32.9 |
| | Altwind QF 2 | 15.1 |
| | Buchwind QF | 17 |
| | Capwind QF | 20 |
| | Garnet QF Wind | 101.4 |
| | Panaero Wind | 30 |
| | Renwind QF 1 | 6.3 |
| | Renwind QF 2 | 6.6 |
| | Sanwind QF 1 | 3.0 |
| | Sanwind QF 2 | 28.0 |
| | Seawind QF | 27 |
| | Terawind QF | 22.5 |
| | Transwind QF | 40.0 |
| | Venwind QF 1 | 25.5 |
| | Venwind QF 2 | 19.3 |
| | CPV Sentinel Peaker | 850 |
| | Genesis Solar Energy Project | 250 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------------------|--|------------------|
| | Desert Sunlight PV Project | 550 |
| | Eastern Area Total | 3,120 |
| SCE Metro Area | Alamitos | 2,010 |
| | Canyon Power Plant | 195 |
| | Anaheim CT | 41 |
| | Watson Cogeneration | 271 |
| | Barre Peaker | 45 |
| | Broadway 3 | 65 |
| | Center Area Lumped Units | 18 |
| | MWD Rio Hondo Hydroelectric Recovery Plant | 2 |
| | Center Peaker | 45 |
| | Century | 36 |
| | O.L.S. Energy Company- Chino-Mens Inst. | 25 |
| | Ripon Cogeneration | 27 |
| | Milliken Landfill Project | 1 |
| | Agua Mansa Generating Facility | 43 |
| | Clearwater Power Plant | 28 |
| | Diamond Valley P-G Plant | 1 |
| | Drews | 36 |
| | Devil Canyon | 235 |
| | El Segundo 3 & 4 | 670 |
| Fontana/Lytle Creek Hydro | 1 | |
| Grapeland Peaker | 43 | |

| Planning Area | Generating Plant | Maximum Capacity |
|----------------------|---|-------------------------|
| | Etiwanda Hydro Recovery Plant | 10 |
| | Mid Valley Landfill Project | 2 |
| | Etiwanda 3 & 4 | 640 |
| | Glen Arm Power Plant | 132 |
| | Harbor Cogen Combined Cycle | 100 |
| | BP West Coast Products | 21 |
| | Long Beach 1 – 4 | 260 |
| | City Of Long Beach | 28 |
| | Huntington Beach 1 & 2 | 452 |
| | Inland Empire Energy Center | 670 |
| | MWD Venice Hydroelectric Recovery Plant | 4 |
| | Carson Cogeneration Company | 47 |
| | MWD Corona Hydroelectric Recovery Plant | 2 |
| | MWD Temescal Hydroelectric Recovery Plant | 2 |
| | Corona Energy Partners, Ltd. | 30 |
| | Mira Loma Peaker | 43 |
| | Lake Mathews Hydro Recovery Plant | 5 |
| | Mojave Siphon PH | 18 |
| | MWD Coyote Creek Hydroelectric Recovery Plant | 3 |
| | Olinda Area Lumped Units | 1 |
| | Olinda Landfill | 5 |
| | Ontario/Sierra Hydro Project | 1 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|---|------------------|
| | San Dimas Hydro Recovery Plant | 8 |
| | Padua Area Lumped Units | 1 |
| | San Dimas Wash Hydro | 1 |
| | Redondo | 1,356 |
| | Riverside Energy Resource Center (RERC) | 194 |
| | Springs Generation Plant | 36 |
| | Coyote Canyon | 6 |
| | Mountainview Power Plant | 969 |
| | Mill Creek Hydro Project | 1 |
| | MWD Perris Hydroelectric Recovery Plant | 8 |
| | MWD Red Mountain Hydroelectric Recovery Plant | 2 |
| | Badlands Landfill Gas to Energy Facility | 1 |
| | El Sobrante Landfill Gas Generation | 1 |
| | H. Gonzales Gas Turbine | 12 |
| | Malburg Generating Facility | 134 |
| | MWD Valley View Hydroelectric Recovery Plant | 4 |
| | L.A. County Sanitation District #2 (Puente Hills B) | 47 |
| | MM West Coast Covina, LLC | 6 |
| | Ellwood Generating Station | 54 |
| | Exxon Company, USA | 1 |
| | Gaviota Oil Heating Facility | 1 |
| | MM Tajiguas Energy, LLC | 3 |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|--|------------------|
| | Mandalay 1 & 2 | 430 |
| | Mandalay 3 GT | 130 |
| | Calabasas Gas-to-Energy Facility | 7 |
| | Simi Valley Landfill Gas Generation | 1 |
| | Ormond Beach | 1,516 |
| | Toland Landfill Gas to Energy Project | 1 |
| | Foothill Hydro Recovery Plant | 8 |
| | County Of Los Angeles (Pitchess Honor Ranch) | 19 |
| | Saugus Area Lumped Units | 1 |
| | Chiquita Canyon Landfill Generating Facility | 7 |
| | MM Lopez Energy, LLC | 5 |
| | E. F. Oxnard, Incorporated | 34 |
| | Procter & Gamble Paper Prod. (Oxnard II) | 46 |
| | Weyerhaeuser Company (Formerly Williamette Industries) | 13 |
| | Berry Petroleum Placerita | 37 |
| | Walnut Creek Energy Park | 500 |
| | El Segundo Energy Center | 570 |
| | Metro Area Total | 12,485 |

Table A1-3: Existing generation plants in SDG&E planning area

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|------------------------------|------------------|
| SDG&E | Encina 1 | 106 |
| | Encina 2 | 103 |
| | Encina 3 | 109 |
| | Encina 4 | 299 |
| | Encina 5 | 329 |
| | Palomar | 565 |
| | Otay Mesa | 603 |
| | Encina GT | 14 |
| | Kearny GT1 | 15 |
| | Kearny 2AB (Kearny GT2) | 55 |
| | Kearny 3AB (Kearny GT3) | 57 |
| | Miramar GT 1 | 17 |
| | Miramar GT 2 | 16 |
| | El Cajon GT | 13 |
| | Goalline | 48 |
| | Naval Station | 47 |
| | North Island | 33 |
| | NTC Point Loma | 22 |
| | Sampson | 11 |
| | NTC Point Loma Steam turbine | 2.3 |
| Ash | 0.9 | |
| Cabrillo | 2.9 | |

| Planning Area | Generating Plant | Maximum Capacity |
|---------------|-----------------------------|------------------|
| | Capistrano | 3.3 |
| | Carlton Hills | 1.6 |
| | Carlton Hills | 1 |
| | Chicarita | 3.5 |
| | East Gate | 1 |
| | Kyocera | 0.1 |
| | Mesa Heights | 3.1 |
| | Mission | 2.1 |
| | Murray | 0.2 |
| | Otay Landfill I | 1.5 |
| | Otay Landfill II | 1.3 |
| | Covanta Otay 3 | 3.5 |
| | Rancho Santa Fe 1 | 0.4 |
| | Rancho Santa Fe 2 | 0.3 |
| | San Marcos Landfill | 1.1 |
| | Miramar 1 | 46 |
| | Larkspur Border 1 | 46 |
| | Larkspur Border 2 | 46 |
| | MMC-Electrovest (Otay) | 35.5 |
| | MMC-Electrovest (Escondido) | 35.5 |
| | El Cajon/Calpeak | 42 |
| | Border/Calpeak | 42 |
| | Escondido/Calpeak | 42 |

| Planning Area | Generating Plant | Maximum Capacity |
|----------------------|-----------------------------|-------------------------|
| | El Cajon Energy Center | 48 |
| | Miramar 2 | 46 |
| | Orange Grove | 94 |
| | Kumeyaay | 50 |
| | Bullmoose | 20 |
| | Lake Hodges Pumped Storage | 40 |
| | Ocotillo Express | 299 |
| | BREGGO SOLAR (NQC) | 21 |
| | SDG&E Area Total | 3,445 |

Table A1-4: Existing generation plants in VEA planning area

| Planning Area | Generating Plant | Maximum Capacity |
|----------------------|-------------------------|-------------------------|
| VEA | Not Applicable | 0 |
| | Area Total | 0 |

A2 Retired Generation

Table A2-1: Generation plants projected to be retired in planning horizon

| PTO Area | Project | Capacity (MW) | First Year to be retired |
|------------------|---|----------------------|---------------------------------|
| SCE | El Segundo 3 | 335 | 2013* |
| | Huntington Beach 3 | 225 | 2013** |
| | Huntington Beach 4 | 225 | 2013** |
| | San Onofre Nuclear Generating Station (SONGS) | 2246 | 2013 |
| SDG&E | Kearny Peakers | 135 | 2014 |
| | Miramar GT1 and GT2 | 36 | 2014 |
| | El Cajon GT | 16 | 2014 |

Notes: * El Segundo unit 3 is scheduled to be retired when the El Segundo Power Redevelopment project is commercially available.

** Huntington Beach units 3 and 4 were retired as generation but converted to synchronous condensers for voltage support.

A3 Planned Generation

Table A3-1: Planned Generation

| PTO Area | Project | Capacity (MW) | First Year to be Modeled |
|------------------|---|----------------------|---------------------------------|
| SCE | Abengoa Mojave Solar Project (Construction) | 250 | 2014 |
| | McCoy Photovoltaic Project | 250 | 2015 |
| | Ivanpah Solar (Construction) | 370 | 2014 |
| SDG&E | Carlsbad (Pre-Construction)* | 558 | 2016 |
| | Pio Pico Energy Center (Pre-Construction) | 300 | 2016 |

Notes: * This project does not yet have Power Purchase Tolling Agreement (PPTA) as of January 2014.

A4 Special Protection Schemes

Table A4-1: Existing Special Protection Schemes in the PG&E area

| PTO | Area | SPS Name |
|------|----------------------------|---|
| PG&E | Central Coast / Los Padres | Mesa and Santa Maria Undervoltage SPS |
| | Central Coast / Los Padres | Divide Undervoltage SPS |
| | Central Coast / Los Padres | Temblor-San Luis Obispo 115 kV Overload Scheme |
| | Bulk | COI RAS |
| | Bulk | Colusa SPS |
| | Bulk | Diablo Canyon SPS |
| | Bulk | Gates 500/230 kV Bank #11 SPS |
| | Bulk | Midway 500/230 kV Transformer Overload SPS |
| | Bulk | Path 15 IRAS |
| | Bulk | Path 26 RAS North to South |
| | Bulk | Path 26 RAS South to North |
| | Bulk | Table Mt 500/230 kV Bank #1 SPS |
| | Central Valley | Drum (Sierra Pacific) Overload Scheme (Path 24) |

| PTO | Area | SPS Name |
|-----|---------------------|--|
| | Central Valley | Stanislaus – Manteca 115 kV Line Load Limit Scheme |
| | Central Valley | Vaca-Suisun 115 kV Lines Thermal Overload Scheme |
| | Central Valley | West Sacramento 115 kV Overload Scheme |
| | Central Valley | West Sacramento Double Line Outage Load Shedding SPS Scheme |
| | Greater Fresno Area | Ashlan SPS |
| | Greater Fresno Area | Atwater SPS |
| | Greater Fresno Area | Gates Bank 11 SPS |
| | Greater Fresno Area | Helms HTT RAS |
| | Greater Fresno Area | Helms RAS |
| | Greater Fresno Area | Henrietta RAS |
| | Greater Fresno Area | Herndon-Bullard SPS |
| | Greater Fresno Area | Kerckhoff 2 RAS |
| | Greater Fresno Area | Reedley SPS |
| | Greater Bay Area | Metcalf SPS |
| | Greater Bay Area | SF RAS |
| | Greater Bay Area | South of San Mateo SPS |
| | Greater Bay Area | Metcalf-Monta Vista 230kV OL SPS |

| PTO | Area | SPS Name |
|-----|------------------|--|
| | Greater Bay Area | San Mateo-Bay Meadows 115kV line OL |
| | Greater Bay Area | Moraga-Oakland J 115kV line OL RAS |
| | Greater Bay Area | Grant 115kV OL SPS |
| | Greater Bay Area | Oakland 115 kV C-X Cable OL RAS |
| | Greater Bay Area | Oakland 115kV D-L Cable OL RAS |
| | Greater Bay Area | Sobrante-Standard Oil #1 & #2-115kV line |
| | Greater Bay Area | Gilroy SPS |
| | Greater Bay Area | Transbay Cable Run Back Scheme |
| | Humboldt | Humboldt – Trinity 115kV Thermal Overload Scheme |
| | North Valley | Caribou Generation 230 kV SPS Scheme #1 |
| | North Valley | Caribou Generation 230 kV SPS Scheme #2 |
| | North Valley | Cascade Thermal Overload Scheme |
| | North Valley | Hatchet Ridge Thermal Overload Scheme |
| | North Valley | Coleman Thermal Overload Scheme |

Table A4-2: Existing Special Protection Schemes in SCE area

| PTO | Area | SPS Name |
|------------|--------------------|---|
| SCE | Antelope-Bailey | Antelope-RAS |
| | Big Creek Corridor | Big Creek / San Joaquin Valley RAS |
| | North of Lugo | Bishop RAS |
| | North of Lugo | High Desert Power Project RAS |
| | North of Lugo | Kramer RAS |
| | Antelope-Bailey | Midway-Vincent RAS |
| | Antelope-Bailey | Lancaster N-2 Line Loss Tripping Scheme |
| | Antelope-Bailey | Palmdale N-2 Line Loss Tripping Scheme |
| | Antelope-Bailey | Pastoria Energy Facility Existing RAS |
| | North of Lugo | Reliant Energy Cool Water Stability Tripping Scheme |
| | Eastern Area | West-of-Devers Remedial Action Scheme |
| | Eastern Area | Blythe Energy RAS |
| | Eastern Area | Eagle Mountain Thermal Overload Scheme |
| | Metro Area | El Nido N-2 Remedial Action Scheme |
| | Metro Area | Mountain view Power Project Remedial Action Scheme |

| PTO | Area | SPS Name |
|-----|------------|--|
| | Metro Area | South of Lugo N-2 Remedial Action Scheme |
| | Metro Area | Mira Loma Low Voltage Load Shedding |
| | Metro Area | Santiago N-2 Remedial Action Scheme |
| | Metro Area | Valley Direct Load Trip Remedial Action Scheme |
| | Metro Area | El Segundo N-2 Remedial Action Scheme |

Table A4-3: Existing Special Protection Schemes in the SDG&E

| PTO | Area | SPS Name |
|------------------|-------|--|
| SDG&E | SDG&E | TL695A at Talega SPS |
| | SDG&E | TL682/TL685 SPS |
| | SDG&E | TL633 At Rancho Carmel SPS |
| | SDG&E | TL687 at Borrego SPS |
| | SDG&E | TL13816 SPS |
| | SDG&E | TL13835 SPS |
| | SDG&E | Border TL649 Overload SPS |
| | SDG&E | Crestwood TL626 at DE SPS for Kumeyaay Wind Generation |
| | SDG&E | Crestwood TL629 at CN SPS for Kumeyaay Wind Generation |
| | SDG&E | Crestwood TL629 at DE SPS for Kumeyaay Wind Generation |
| | SDG&E | 230kV TL 23040 Otay Mesa – Tijuana SPS (currently disabled and will not be enabled until its need is reevaluated with CFE) |
| | SDG&E | 230kV Otay Mesa Energy Center Generation SPS |
| | SDG&E | ML (Miguel) Bank 80/81 Overload SPS |

| PTO | Area | SPS Name |
|------------------|-----------------------------------|--|
| SDG&E | SDG&E | TL695A at Talega SPS |
| | SDG&E | TL682/TL685 SPS |
| | SDG&E | TL633 At Rancho Carmel SPS |
| | SDG&E | TL687 at Borrego SPS |
| | SDG&E | TL13816 SPS |
| | SDG&E | TL13835 SPS |
| | SDG&E | Border TL649 Overload SPS |
| | SDG&E | Crestwood TL626 at DE SPS for Kumeyaay Wind Generation |
| | SDG&E | Crestwood TL629 at CN SPS for Kumeyaay Wind Generation |
| | SDG&E | Crestwood TL629 at DE SPS for Kumeyaay Wind Generation |
| | SDG&E | 230kV TL 23040 Otay Mesa – Tijuana SPS (currently disabled and will not be enabled until its need is reevaluated with CFE) |
| | SDG&E | CFE SPS to protect lines from La Rosita to Tijuana |
| | SDG&E | TL 50001 IV Generator SPS |
| SDG&E | Path 44 South of SONGS Safety Net | |