Transmission Projects

PG&E

1. SFR-T Mission Rebuild 115 kV Bus, Phase 1
2. Semitropic 115 kV Shoofly Installation Project
3. Nortech Substation Install Bank #2, Phase 1
4. Build Shepherd Substation (MWC 60) Install 115 kV ring bus and loop 115 kV line, Phase 1
5. Build Shepherd Substation (MWC 60) Install 115 kV ring bus and loop 115 kV line, Phase 2
6. Big Bar Sw 55 and 57 SCADA, Phase 1
7. Kettleman Solar Farm (Q625), Phase 1
8. Install Divide Bank 4 (Dist), Phase 1
9. Lakeview Substation, Phase 1
10. Valley Home (Sub work for Dist.) No. 2, Phase 1
11. Replace Old River Bank 1 and 2, Phase 1
12. Solar Star California (Quinto) (Q577), Phase 3
13. Install Schindler Bank #3, Phase 2
14. Install 2nd Bank at Alpaugh, Phase 1
15. Mission X 115 kV equipment replacement/bus conversion, Phase 1
16. Wheeler Rldge 230kV Sub - replace 230/70kV Bank 4, Phase 1
17. Cressey-Gallo 115 kV Transmission line and CBs (fka Atwater-Merced 115kV Reliability Project), Phase 2
18. Cooley Landing BK1 and BK2, 115/60 kV Transformer Replacement, Phase 2
19. Midway-Kern PP Nos.1, 3, and 4 230 kV Lines Capacity Increase, Phase 1
20. Lockheed No.1 Substation, Phase 4
21. Paramount Farms - Blackwell, Phase 1
22. Humboldt Sub 60 kV Bus Upgrade Project (BAAH in GIS), Phase 2

SCE

1. Desert State - Ivanpah 220kV gen tie, Phase 1
2. East of Lugo Bulk System Network Upgrades for TC, Phase 1

SDGE

1. Fanita Junction 138kV Loop in to Sycamore for TL13821
2. Imperial Valley - Bank 82 Reactors
3. Fanita 230kV Rearrangement
4. Generator Interconnection - Pio Pico Energy Center, 815184, Phase A
5. Generator Interconnection - Pio Pico Energy Center, 815238, Phase A
6. Los Coches Sub - rebuild 138kV and 69kV sections Los Coches, Phase 1
7. Talega Area Dynamic Reactive Support, Phase 4

VEA

None

External

1. PAC: Model updates for PacifiCorp area including substations, transmission lines, transformers, synchronous machines, and loads.
Full Network Model Scope for FNM DB2015Q2
Production (04/23/2015)

**Generation Projects**

1. Summer Solar North
   - SCE
   - Capacity: 6.5 MW
   - RES_ID: DELSUR_6_SOLAR1
   - POD: 66kV at Del Sur substation

2. Desert Stateline
   - SCE
   - Capacity: 300 MW
   - RES_ID: DSRTSL_2_SOLAR1
   - Child RES_IDs: DSRTSL_2_SOLR1A (150 MW), DSRTSL_2_SOLR1B (150 MW)
   - POD: 220kV bus at Ivanpah substation

3. EE Kettleman Land LLC
   - PGE
   - Capacity: 20 MW
   - RES_ID: EEKTMN_6_SOLAR1
   - POD: 70kV bus at EE Kettleman substation

4. South Belridge Cogeneration Facility Meter Re-Certification – Increase EMS PMax from 55.2 MW to 69.6 MW
   - PGE
   - Capacity: 69.6M W
   - RES_ID: KERNRG_1_UNITS
   - POD: 115kV Bus at Kernridge substation

5. Enerparc California 2
   - PGE
   - Capacity: 1.5 MW
   - RES_ID: ORLND_6_SOLAR1
   - POD: 60kV bus at Orland Substation

6. Peacock
   - PGE
   - Capacity: 1.5 MW
   - RES_ID: OROS1_6_SOLAR1
   - POD: 70kV bus at Orosi Substation

7. SEPV Palmdale East
   - SCE
   - Capacity: 10 MW
   - RES_ID: PMDLET_6_SOLAR1
   - POD: 66kV bus at Antelope Substation

8. Silver State South Solar Project
   - SCE
   - Capacity: 273 MW
   - RES_ID: PRIMM_2_SOLAR1
   - Child RES_IDs: PRIMM_2_SOLRA1 (136.5 MW)
Full Network Model Scope for FNM DB2015Q2
Production (04/23/2015)

PRIMM_2_SOLRB1 (136.5 MW)
- POD: 220kV bus at Primm Substation

9. Lincoln Biomass – Increase EMS PMax from 17.2 MW to 19.2 MW
   - PGE
   - Capacity: 19.2 MW
   - RES_ID: SPI LI_2_UNIT 1
   - POD: Pole # A0/6 Lincoln-Pleasant Groove 115kV Line

10. Quincy Biomass – Increase EMS PMax from 22 MW to 27.5 MW
    - PGE
    - Capacity: 27.5 MW
    - RES_ID: SPQUIN_6_SRPCQU
    - POD: 60kV bus at SPQUIN Substation

11. Castor
    - PGE
    - Capacity: 1.5 MW
    - RES_ID: TX-ELK_6_SOLAR1
    - POD: 70kV bus at Elk Hills Substation

12. AP North Lake Solar
    - SCE
    - Capacity: 19.2 MW
    - RES_ID: VALLEY_5_SOLAR2
    - POD: 500kV bus at Valley Substation

13. Adelanto Solar Two Project
    - SCE
    - Capacity: 7 MW
    - RES_ID: VICTOR_1_SOLAR3
    - POD: 115kV bus at Victor Substation

    - SCE
    - Capacity: 20 MW
    - RES_ID: VICTOR_1_SOLAR4
    - POD: 115kV bus at Victor Substation