Full Network Model Scope for FNM DB2016Q2
Production (05/19/2016)

Transmission Projects

PG&E
1. Berry Petroleum and Fairfield, phase #1
2. DSR Demonstration Project - Installation on the Las Positas-Newark 230 kV line, phase #1
3. Embarcadero-Potro 230 kV Transmission Project, phase #1B
4. Embarcadero-Potro 230 kV Transmission Project, phase #2
5. Embarcadero-Potro 230 kV Transmission Project, phase #3
6. EP E&B Natural Resources Load Interconnection, phase #1
7. Excelsior Sw Sta (Burford Five Points ), phase #1
8. Excelsior Sw Sta (Burford Five Points ), phase #2
9. Excelsior Sw Sta (Burford Five Points ), phase #3
10. Excelsior Sw Sta (Burford Five Points ), phase #4
11. Ignacio-Alto 60 kV Circuit Breaker Project, phase #2
12. OAKLAND C: REPLACE BANK #1, phase #1
13. Panoche Valley Solar Generation Interconnection Project (Q829), phase #1
14. Ripon 115 kV New Line, phase #1
15. Sobrante: Add 2 Bus Sectnlzng 115kV CBs, phase #3

SCE
1. East of Lugo Bulk System Network Upgrades for TC, phase #11
2. East of Lugo Bulk System Network Upgrades for TC, phase #1A
3. Eldorado 500 kV Substation breaker installation for No. 3AA bank
4. Eldorado 500 kV Substation breaker installation for No. 4AA bank
5. Kramer High Voltage Mitigation - Tertiary Reactors, different phases
6. Portal Ridge Solar 20 MW, phase #1
7. Vestal 220/66kV Sub- Reconfigure 1A & 2A Banks from bank/bus to double-breaker configuration, phase #1
8. Vincent 500/220 (T): 220 kV Bus Split, phase #1

SDGE
1. Fanita Junction 138kV Loop in to Sycamore for TL13821, phase #2
2. Los Coches Sub- rebuild 138kV and 69kV sections Los Coches, phase #3

VEA
None

External
1. BANC(SMUD): Clean up the modeling for the SMUD (BANC) Area - KESWIK, AIRPTW, SULPCK
2. BPAT: Northwest Updates
3. BPAT: OLYMPIA-S_TACOMA loop in ST CLAIR substation
4. BPAT: Add bus tie switches at the 115 kV bus in MCNARY substation using Peaks DB75 model
5. NEVP: Add a Market Only CB at LAUGHLIN (NEVP-15) to connect both 500kV Lines to the ZBIG located at LAUGHLIN.
6. PAC: Model updates for PacifiCorp area
**Generation Projects**

1. Hoover Power Plant – Dynamic Scheduling
   - Host BAA: AZPS
   - Capacity: 40MW
   - RES_ID: AGCANA_X_HOOVER
   - Import Location: MEAD230

2. Arlington Valley CC – Dynamic Scheduling
   - Host BAA: NEVP
   - Capacity: 565MW
   - RES_ID: ARLINT_5_SCEDYN
   - Import Location: PVWEST

3. VEA Community Solar Project
   - VEA
   - Capacity: 15MW
   - RES_ID: VEAVST_1_SOLAR
   - POD: Vista 138kV Bus

4. Mesa Crest
   - SDGE
   - Capacity: 3MW
   - RES_ID: LILIAC_6_SOLAR
   - POD: Lilac 69kV Bus

5. Cole Grade
   - SDGE
   - Capacity: 2.4MW
   - RES_ID: VLCNTR_6_VCSLR
   - POD: Valley Center 69 kV bus

6. Mesquite Solar 2
   - SDGE
   - Capacity: 165MW
   - RES_ID: MSOLAR_2_SOLAR2
   - POD: Mesquite Sub 230kV

7. Cherry Fontana
   - SCE
   - Capacity: 0.8MW
   - RES_ID: ETIWND_2_SOLAR9
   - POD: Etiwanda 230kV Bus

8. Boomer Trojan
   - SCE
   - Capacity: 0.9MW
   - RES_ID: LGHTHP_2_SOLAR1
   - POD: Lighthipe 230kV Bus

9. AltaGas Pomona Energy – Increase EMS PMax from 44MW to 46.3MW
   - SCE
   - Capacity: 46.3MW
• RES_ID: CHINO_6_SMPPAP
  • POD: Chino 230kV Bus

10. Milliken Landfill Solar
• SCE
• Capacity: 3MW
• RES_ID: MIRLOM_2_LNDFL
• POD: Mira Loma 230kV Bus

11. Ducor Solar 1
• SCE
• Capacity: 20MW
• RES_ID: CEDUCR_2_SOLAR1
• POD: Vestal 230kV Bus

12. Ducor Solar 2
• SCE
• Capacity: 20MW
• RES_ID: CEDUCR_2_SOLAR2
• POD: Vestal 230kV Bus

13. Ducor Solar 3
• SCE
• Capacity: 15MW
• RES_ID: CEDUCR_2_SOLAR3
• POD: Vestal 230kV Bus

14. Ducor Solar 4
• SCE
• Capacity: 20MW
• RES_ID: CEDUCR_2_SOLAR4
• POD: Vestal 230kV Bus

15. Big Sky Summer
• SCE
• Capacity: 20MW
• RES_ID: BIGSKY_2_SOLAR3
• POD: Antelope 230kV Bus

16. Antelope Big Sky Ranch
• SCE
• Capacity: 20MW
• RES_ID: BIGSKY_2_SOLAR1
• POD: Antelope 230kV Bus

17. Western Antelope Blue Sky Ranch B
• SCE
• Capacity: 20MW
• RES_ID: BIGSKY_2_SOLAR4
• POD: Antelope 230kV Bus

18. Big Sky 40
• SCE
• Capacity: 40MW
• RES_ID: BIGSKY_2_SOLAR2
<table>
<thead>
<tr>
<th>POD: Antelope 230kV Bus</th>
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19. Joshua Tree Solar
- SCE
- Capacity: 20MW
- RES_ID: DEVERS_2_SOLAR3
- POD: Devers 230kV Bus

20. Cloverdale Solar South
- PG&E
- Capacity: 1MW
- RES_ID: CLOVDL_1_SOLAR1
- POD: Cloverdale 115 kV Bus

21. Clover Creek
- PG&E
- Capacity: 1.5MW
- RES_ID: CLOVER_2_UNIT
- POD: Kilarc-Cedar Creek 60 kV Line (Pole 5/12)

22. NID Hydro Bowman Powerhouse
- PG&E
- Capacity: 3.6MW
- RES_ID: BOWMN_6_HYDRO
- POD: Drum-Spaulding 60kV Line at Pole 8/13

23. California Flats North
- PG&E
- Capacity: 130MW
- RES_ID: CALFTN_2_SOLAR
- POD: California Flats Switching Station 230kV Bus

24. Calpine Energy Storage Demonstration Park
- PG&E
- Capacity: 3MW
- RES_ID: LECEF_1_BATTRY
- POD: Los Esteros 115kV Bus

25. Excelsior Solar
- PG&E
- Capacity: 60MW
- RES_ID: EXCLSG_1_SOLAR
- POD: Excelsior Switching Station 115kV Bus

- SCE
- Capacity: 30MW
- Aggregated RES_ID: COLCEM_6_UNITS
- Child RES_IDs: COLCEM_6_GEN 1 (15MW) COLCEM_6_GEN 2 (15MW)

27. Bear Canyon - Generation Termination
- PG&E
- Capacity: 23MW
- RES_ID: BEARCN_2_UNITS