



# Capacity Differences

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# Hydro Capacity Differences – Biggest Contributors

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- AB\_AESO
  - BrazeauHydro1, BrazeauHydro2, Oldman\_2\_2, Oldman1-1
- BC\_BCHA
  - Mica\_1, Mica\_2, Mica\_3, Mica\_4, Mica\_G5\_5, Mica\_G6\_6, GordonMShrum01, GordonMShrum02, GordonMShrum04, GordonMShrum05
- BS\_IPCO
  - LuckyPeak131
- CA\_BANC
  - New Melones 1, New Melones 2, Keswick 1, Keswick 2, Keswick 3
- CA\_CISO
  - ONeill\_1, Colgate\_1, Colgate\_2, KR3-1\_24372\_1, Poe\_1, Poe\_2, KAWEAH PH 1 UNIT 1
- CA\_LDWP
  - Castaic 7 (Pump storage in L&R), San Francisquito 1-1, San Francisquito 1-6
- CA\_TIDC
  - Don Pedro 1, Don Pedro 2

# Hydro Capacity Differences – Biggest Contributors

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- NW\_AVA
  - Noxon\_Rapids\_1, Noxon\_Rapids\_3, Noxon\_Rapids\_4
- NW\_BPAT
  - Grand coulee, Bonneville, Lower Monumental, The Dalles
- NW\_CHPD
  - Rocky Reach, Rock Island
- NW\_GCPD
  - Priest Rapids, Wanapum
- NW\_NWMT
  - Morony\_MOR2
- NW\_PACW
  - Watson Reservoir Hydro (FERCHY1HY0.68, Twin Reservoirs (FERC P-10376)HY1HY2.2
- NW\_PGE
  - PHP1-1, NorthFork\_OR2, Pelton\_1, Round\_Butte\_1, Round\_Butte\_2, Round\_Butte\_3

# Hydro Capacity Differences – Biggest Contributors

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- NW\_PSEI
  - LowerBaker4, Lower\_Baker\_3
- NW\_SCL
  - Boundary55, Boundary56, Boundary51, Boundary52, Boundary54
- NW\_TPWR
  - Mossyrock\_51, Mossyrock\_52
- RM\_PSCO
  - 70385\_ADS30\_Shoshone A
- RM\_WACM
  - Animas GT1A
- SW\_PNM
  - Abiquiu 1-3
- SW\_WALC
  - Davis Dam 1, Davis Dam 2, Davis Dam 4, Davis Dam 5

# Combined Cycle, Steam and Nuclear Capacity Differences

| Area Name | CC units with Significant Pmax difference                       |
|-----------|-----------------------------------------------------------------|
| CA_BANC   | Sutter EC CC1a, Sutter EC CC1b                                  |
|           | Cosumnes CC1a                                                   |
|           | Cosumnes CC1b                                                   |
|           |                                                                 |
| CA_CAISO  | LaPaloma4                                                       |
|           | TermoMexiCC-Total                                               |
|           | PE-BerkeleyCC-Total                                             |
|           | CarlsbadEC1-GT1                                                 |
|           | There are several units in PCM which doesn't exactly match L&R. |
|           |                                                                 |
| CA_TIDC   | Sum of CC and CT PCM max cap exactly match LnR max Cap          |
|           |                                                                 |
| NW_PSEI   | FerndaleCC-Total                                                |
|           | Frederickson1                                                   |
|           | Frederickson2                                                   |
|           | GoldendaleCC-Total                                              |
|           | EncogenCC-Total                                                 |
|           | Sum of CC and CT PCM max cap is ~100MW less than LnR max Cap    |

| Area Name | CC units with Significant Pmax difference                   |
|-----------|-------------------------------------------------------------|
| RM_PSCO   | Sum of CC and CT PCM max cap is ~50MW less than LnR max Cap |
|           | Rocky Mtn CC1b                                              |
|           | Front Range CC1b                                            |
|           | Fort St Vrain CC1b                                          |
|           | Fort St Vrain CC1c                                          |
|           |                                                             |
| SW_AZPS   | West Phoenix CC5b                                           |
|           | West Phoenix CC5a                                           |
|           |                                                             |
| SW_EPE    | Newman CC5a                                                 |
|           | Newman CC5b                                                 |
|           |                                                             |
| SW_PNM    | Luna CC1a                                                   |
|           | Luna CC1b                                                   |
|           |                                                             |
| SW_TH_PV  | Arlington Valley CC1a                                       |
|           | Arlington Valley CC1b                                       |
|           | Red Hawk CC1a                                               |
|           | Red Hawk CC1b                                               |
|           | Red Hawk CC2a                                               |
|           | Red Hawk CC2b                                               |

# Steam and Nuclear Capacity differences

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- No major discrepancies
  - PCM max cap is slightly lower or equal to LnR Pmax for all the steam coal and Nuclear units.

# Combustion Turbine Capacity Differences

# Largest Difference between PCM & L&R Max Cap for Subtype CT

|         | Unit Name                  | PCM Max Cap (MW) | L&R Max Cap (MW) |
|---------|----------------------------|------------------|------------------|
| AB_AESO | DowG101_36                 | 403.0            | 13.0             |
|         | DowG101_14                 | 208.0            | 300.0            |
|         | DowG101_5                  | 80.0             | 106.0            |
|         | DowG101_28                 | 80.0             | 98.0             |
|         | DowG101_43                 | 80.0             | 98.0             |
| BC_IPCO | EvanderAndrews1            | 50.0             | 205.0            |
| CA_LDWP | Tex/Equilon LA Refinery G1 | 30.0             | 13.0             |
|         | Tex/Equilon LA Refinery G2 | 30.0             | 13.0             |
|         | Scattergood 6              | 89.0             | 102.0            |
|         | Scattergood 7              | 89.0             | 102.0            |
|         | LAX Airport Agg            | 8.0              | 0.7              |
|         | LAX Airport Agg            | 8.0              | 0.7              |
| NW_PACW | KlamathExpGT1              | 29.0             | 57.6             |
|         | KlamathExpGT1              | 29.0             | 57.6             |
|         | KlamathExpGT2              | 29.0             | 57.6             |
|         | KlamathExpGT2              | 29.0             | 57.6             |

# Largest Difference between PCM & L&R Max Cap for Subtype CT - continued

|         | Unit Name            | PCM Max Cap (MW) | L&R Max Cap (MW) |
|---------|----------------------|------------------|------------------|
| NW_PSEI | EncogenCC-Total      | 167.3            | 44.5             |
|         | EncogenCC-Total      | 167.3            | 44.5             |
|         | EncogenCC-Total      | 167.3            | 44.5             |
|         | Fredonia_1           | 93.4             | 123.0            |
|         | Fredonia_2           | 93.4             | 123.0            |
|         | Frederickson1        | 67.0             | 87.7             |
|         | Frederickson2        | 67.0             | 87.7             |
| RM_PSCO | Pueblo Airport 1     | 47.0             | 90.0             |
|         | Pueblo Airport 2     | 47.0             | 90.0             |
|         | Manchief 1           | 160.0            | 143.8            |
|         | Manchief 2           | 160.0            | 143.8            |
| RM_WACM | Burlington Oil 1     | 50.4             | 60               |
|         | Burlington Oil 2     | 50.4             | 60               |
|         | Cheyenne Prairie 2-1 | 47               | 37.5             |
| SW_AZPS | Saguaro AZ 2         | 79               | 62               |
|         | Saguaro GE1          | 62               | 79               |
|         | West Phoenix GT1     | 50               | 62               |
|         | West Phoenix GT2     | 50               | 62               |
|         | Yucca GT3            | 53               | 62               |

# Largest Difference between PCM & L&R Max Cap for Subtype CT - continued

|         | Unit Name                                            | PCM Max Cap (MW) | L&R Max Cap (MW) |
|---------|------------------------------------------------------|------------------|------------------|
| SW_NVE  | Tracy NV CC1                                         | 108.0            | 10               |
|         | Tracy NV CC1                                         | 108.0            | 10               |
|         | Clark 4                                              | 72.4             | 63               |
| SW_PNM  | Valencia NM 1                                        | 158.0            | 145              |
|         | Rio Bravo                                            | 148.0            | 138              |
| SW_SRP  | Agua Fria 4                                          | 74.0             | 87               |
| SW_TEPC | Black Mountain 1                                     | 50.0             | 41               |
| CA_CISO | FosterWhlrCC-Total                                   | 127.0            | 38.9             |
|         | Phillips_RodeoA, Phillips_RodeoB,<br>Phillips_RodeoC | 64.8             | 9.12             |
|         | Oakland_Pwr2                                         | 55               | 0                |
|         | HanfordEnergy1                                       | 49.0             | 98.46            |
|         | KingsRiverGT1                                        | 49.0             | 96               |
|         | RichmondCgn1                                         | 54.0             | 12.25            |
|         |                                                      |                  |                  |

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