

PCDS Meeting

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WECC

**Electric Reliability
& Security for the West**

June, 25, 2025

WACM/PSCO

- Met with WACM, many of the suspect buses (buses with unserved load) are part of Tri-state.
 - We will reach out to Tri-State.
- WACM verified that Ship Rock and San Juan are the only PARs that are active. They are on in the case. They didn't see any initial issues with the case.
- Tried enabling regulation on select PSCO PARs – Didn't improve unserved load.

Suspect Buses

| | UNSERVED_LOA | count | Name | Area | Region | Base | BusType | Loa | Load_NonConformir |
|-------|--------------|-------|-----------|------|--------|------|-----------|------|-------------------|
| 72020 | 540.8 | 20 | COLFER | WACM | RM | 115 | Load | 28.2 | 28.2 |
| 72021 | 419.2 | 20 | DAVIS_TS1 | WACM | RM | 13.2 | Generator | 21 | 21 |
| 72022 | 768.4 | 20 | DAVIS_TS2 | WACM | RM | 13.2 | Load | 38.4 | 38.4 |
| 72023 | 305.4 | 20 | DAVIS_TS3 | WACM | RM | 69 | Generator | 15.3 | 15.3 |
| 72027 | 259.6 | 17 | GREENHSE | WACM | RM | 115 | Load | 15.3 | 15.3 |
| 72115 | 180.8 | 32 | ATWOOD | WACM | RM | 69 | Load | 5.7 | 5.7 |
| 72128 | 42.3 | 18 | BURDETT | WACM | RM | 115 | Load | 2.4 | 2.4 |
| 72129 | 35 | 17 | OLIVE_CK | WACM | RM | 115 | Load | 2.1 | 2.1 |
| 72143 | 188.6 | 21 | REDBOX | WACM | RM | 69 | Load | 9 | 9 |
| 72145 | 147.4 | 21 | REDTAIL | WACM | RM | 34.5 | Load | 7 | 7 |
| 72147 | 348.8 | 21 | CHLKBLFF | WACM | RM | 12.5 | Generator | 16.6 | 16.6 |
| 72151 | 378.3 | 23 | LSISSON | WACM | RM | 34.5 | Load | 16.5 | 16.5 |
| 72155 | 166.4 | 26 | SHERHILL | WACM | RM | 115 | Load | 6.4 | 6.4 |
| 72195 | 157.2 | 22 | PIERCE | WACM | RM | 115 | Load | 7.5 | 7.5 |
| 72201 | 440.8 | 17 | SIPRES | WACM | RM | 230 | Load | 25.9 | 25.9 |
| 72403 | 571.3 | 23 | S_KERSEY | WACM | RM | 115 | Load | 24.8 | 24.8 |
| 73094 | 133.1 | 17 | JOES | WACM | RM | 115 | Load | 7.8 | 7.8 |
| 73095 | 445.1 | 23 | KERSEYTP | WACM | RM | 115 | Load | 19.4 | 19.4 |
| 73098 | 533.4 | 18 | KODAK | WACM | RM | 115 | Load | 30.7 | 30.7 |
| 73117 | 81.6 | 23 | LOST_CK | WACM | RM | 115 | Load | 3.5 | 3.5 |
| 73159 | 386.2 | 23 | PROSPVAL | WACM | RM | 115 | Load | 17.5 | 17.5 |
| 73171 | 215.2 | 20 | ROCKMTCM | WACM | RM | 115 | Load | 10.8 | 10.8 |
| 73469 | 118.5 | 20 | WAVER_PV | WACM | RM | 115 | Load | 6.1 | 6.1 |
| 73478 | 213.4 | 29 | GALIEN | WACM | RM | 115 | Load | 7.4 | 7.4 |
| 73553 | 87 | 19 | BOXELDER | WACM | RM | 115 | Load | 4.7 | 4.7 |
| 73555 | 290.2 | 18 | BRACEWLL | WACM | RM | 115 | Load | 16.1 | 16.1 |
| 73597 | 7.3 | 21 | OWL_CRK | WACM | RM | 115 | Load | 0.3 | 0.3 |

Suspect Buses

| | UNSERVED_LOA | count | Name | Area | Region | Base | BusType | Load | Load_NonConformin |
|-------|--------------|-------|-------------|------|--------|------|---------|------|-------------------|
| 70027 | 228.8 | 20 | AIR_LIQ | PSCO | RM | 115 | Load | 11.4 | 11.4 |
| 70039 | 222.6 | 18 | ARGO | PSCO | RM | 115 | Load | 88.3 | 12.4 |
| 70040 | 418 | 22 | ARSENAL | PSCO | RM | 115 | Load | 19 | 19 |
| 70126 | 1019 | 22 | CONOCO | PSCO | RM | 115 | Load | 49.3 | 49.3 |
| 70172 | 169.1 | 18 | FED_CTR | PSCO | RM | 115 | Load | 9.4 | 9.4 |
| 70238 | 990 | 22 | ANADARKO | PSCO | RM | 115 | Load | 45 | 45 |
| 70377 | 439.7 | 19 | SANDOWN | PSCO | RM | 115 | Load | 137 | 23.1 |
| 70494 | 250.8 | 22 | METRO_WATER | PSCO | RM | 115 | Load | 11.4 | 11.4 |
| 70536 | 3328.8 | 20 | KESTREL | PSCO | RM | 230 | Load | 182 | 182 |
| 70803 | 39.5 | 16 | SUNCOR_AULT | PSCO | RM | 44 | Load | 2.5 | 2.5 |
| 70805 | 219.8 | 23 | LEPRINO_PS | PSCO | RM | 115 | Load | 10 | 10 |
| 70899 | 325.2 | 22 | LUCERNE_PS | PSCO | RM | 115 | Load | 14.8 | 14.8 |
| 70903 | 205.9 | 22 | CLOVERLY | PSCO | RM | 115 | Load | 42 | 9.4 |



2036 ADS PCM Decisions

- Develop a V1 case? (PCDS in favor of V1 case)
- Weather year (Currently using year 2018) – Bring up again in future PCDS
- Bring in PF units that aren't in L&R (PCDS, yes)
 - Import all pf units into PCM
 - If can't identify units in pf (Turn off and mark as "not used")
 - Future item – managing resource relationships
- Adding in transmission projects that aren't in the corresponding power flow
 - PCDS handle on a case by case basis

2036 Schedule and Requirements

- Identify tasks and schedule for 2036 ADS PCM
 - Spreadsheet

GridView Testing

- Test GV newer version (ex. Version 11)
- Compare look ahead days 3 vs 7 days
- Battery testing – Test generator type 3 (pumped storage) vs. type 10 (Battery)
- Test Pumped Storage dispatch type 3 (Daily peak shaving) vs. 4 (Daily schedule on price)
- Test modeling hybrid plants-Talk to Hitachi
 - If credits are dependent on this modeling, need to do this. Otherwise, no need
- GV enhancements
 - Maintenance Windows
 - Non-thermal Maintenance
 - More load shapes for data center loads for higher load factors
 - Pmax/Pmin alignment between all the tables – Talk with Hitachi (use modeled Pmax in genlist)
 - Develop generic data, downtime battery, ramp rates, non-thermal, etc.



Anchor Power Flow Task Force (APFTF)

- APFTF
 - Review placed units from L&R
 - Review Long Identifier (LID) field in power flow to align PF and L&R
 - LID Field: EIA Plant Code - EIA Unit Code - Unit ID - Name

2034 ADS PCM Case Updates

- Hydro
 - Auto calculate P&K for faster runtime
- Raft River unit is geo, not hydro
- Radiance solar unit
- Added optional cases transmission edits
- 0 dispatch cost
- Optional - Path 42 interface names change
- Bus load area updates



WECC



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