

PCDS Meeting

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WECC

**Electric Reliability
& Security for the West**

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2034 ADS Update

- PNNL/WECC Review for C-PAGE
- Will post after PNNL Review
- Finalizing before publishing



2036 ADS

Update

- Added units in L&R that are not already in power flow
- Working on alignment to power flow
- VEA Load update from CAISO OASIS Actual VEA data from 2025
- GCPD Load adder 250aMW to prevent load clipping

Units Unmapped

DevStatus	Total Units	Total Unmapped Units	% Units Unmapped
Existing	3,736	839	22%
T1 - Under Construction	588	455	77%
T2 - Future-Planned	252	237	94%
T3 - Future Conceptual	369	358	97%
Retired	29	17	59%
Agg - Disabled	949	214	23%
CL - Cancelled	616	515	84%
NA - Not Applicable	795	196	25%
Total	7,334	2,831	39%

Capacity Unmapped

DevStatus	Total	Total Capacity Unmapped	% Capacity Unmapped
Existing	355,739	11,162	3%
T1 - Under Construction	77,701	54,757	70%
T2 - Future-Planned	51,183	45,090	88%
T3 - Future Conceptual	78,295	76,843	98%
Retired	2,396	2,149	90%
Agg - Disabled	56,715	15,281	27%
CL - Cancelled	126,084	116,677	93%
NA - Not Applicable	48,302	13,807	29%
Total	796,416	335,766	42%

To Do

- Generator Alignment to Power Flow
- Wind and Solar PTCs — Review next meeting
- Load modifiers
 - EE
 - BTM ES
- Bus load area
 - Define bus area: ownership, reporting, geographic area. Review

2036 Tasks

- NW Hybrid Hydro Year
- Fuel Prices — IEPR
- CO2 prices — IEPR
- Maintenance
- Hourly Profile review on PCDS team site
- Review heat rates for new units
- Path Ratings — Done
- Wheeling Rates — Done

2036 ADS Tasks-Done

- Dealing with leap year loads and hourly profiles, duplicate Feb 28, or Dec 31, or GV shape shift, or don't do leap year
 - PCDS Decision — GV shape shift
 - Consider proxy year in the future
- Deflator/Inflator — CA Department of Finance
 - <https://dof.ca.gov/forecasting/economics/economic-forecasts-u-s-and-california/>
- Loads review
 - Historical loads added in
 - Show Non-conforming load clipping
 - GCPD — Recommended to change few non-conforming loads change to conforming, still clipping. Ok with us adding an aMW adder
 - PAID — Suggested to change few non-conforming loads change to conforming, which was sufficient to fix the clipping
- Review generator units under contract for 2036 ADS — Exempt from hurdle rates for out of area units

2036 Tasks-Done

- Generator Alignment APFTF
 - Sent APFTF list of units for review
 - Will post list of WECC placements
- Gen names to include Area and dev status for 2036 ADS
- Compare 2034 and 2036 bus names and numbers and kV
- Ask PCDS to share historical hourly wind/solar data, reach out to Nader Samaan, have NDA in place for validation
 - Possibly in Velocity Suite
 - Ask PNNL to present on assumptions for profiles
- Wheeling rates — Done
- Shorten generator subtypes — Done
- Generator dev status — Done in meeting
 - Review dev status and review order in Sim control for 2036 ADS
 - Add "Under Construction" gen status and "T2(T3) Operable" dev status for 2036 ADS

GV Enhancements

- Developing dependable capacity table for the maintenance enhancement
- Battery enhancement, Hitachi still working on testing and improving performance

Interface/Path Ratings Updates

- Received an updated .epc file (power flow topology) for the CrossTie project and confirmed there are no new updates for the Southwest Intertie project
- Waiting to hear back on the SunZia, TransWest Express, and RioSol projects
 - Evolving Grid (GERP) — Include? Yes
 - If we don't hear back, use previous topology additions
- In core case:
 - TWE
 - SunZia
 - GERP
- Scenario:
 - RioSol
 - CrossTie — Check project status
 - BPA to Montana to Washington project — Check project status



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