

PCDS Meeting

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WECC

**Electric Reliability
& Security for the West**

February 18, 2026



2034 ADS Update

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



2036 ADS V1.0



2036 ADS Approach – V1.0

- Power Flow based ADS
 - The decision has been made to proceed with a power flow(pf) units-based version 1.0 of the 2036 ADS PCM (2025L&R).
 - The 2036 ADS PCM V1.0 will only use the units from the 2036HS1 pf. The other L&R units will be in the case turned off and identified as L&R supply units.
 - The extra L&R supply may need to be turned on to relieve unserved load.

V1.0 Assumptions

- PF units that are active in the 2036HS1 pf will be active in the PCM. Added L&R units that do not align with the pf units will be in the case but turned off and identified as added L&R supply.
- Any identifiable unit will have associated supporting data (Ex. Wind, solar, etc.).
- Non-identifiable units will have assumed data based on their assumed type, which will be a judgement call based on populated data.
 - Use of PF tech type, fuel type, bus ID, Unit ID, Area, name, pmax, pmin, etc. will all be used to identity the units.
- Power flow unknown units treated individually
- Pmax – If aligned (L&R Pmax), not aligned (Power flow Pmax)



V1.0 Assumptions

- Hydro – Area shape, to do
- Wind – Shape close by
- Solar – Shape close by
- Battery – Unknown 4 hours. Others, left as is.
- Thermal – Generic heat rate info
- Commission/Retirement dates
 - If active in PF, made active in PCM
- L&R in case, but not initially active
 - No USE with L&R-T1 turned on
- Capacity compare L&R vs PF
- 2025 WECC Path Rating Catalog Ratings

Dev ID	Definition
	0 Existing
	1 T1 - Under Construction
	2 T2 - Future-Planned
	3 T3 - Future Conceptual
	4 Retired
	5 Agg - Disabled
	6 CL - Cancelled
	7 NA - Not Applicable
	20 25 LnR
	50 LnR Existing
	51 LnR T1
	52 LnR T2
	53 LnR T3



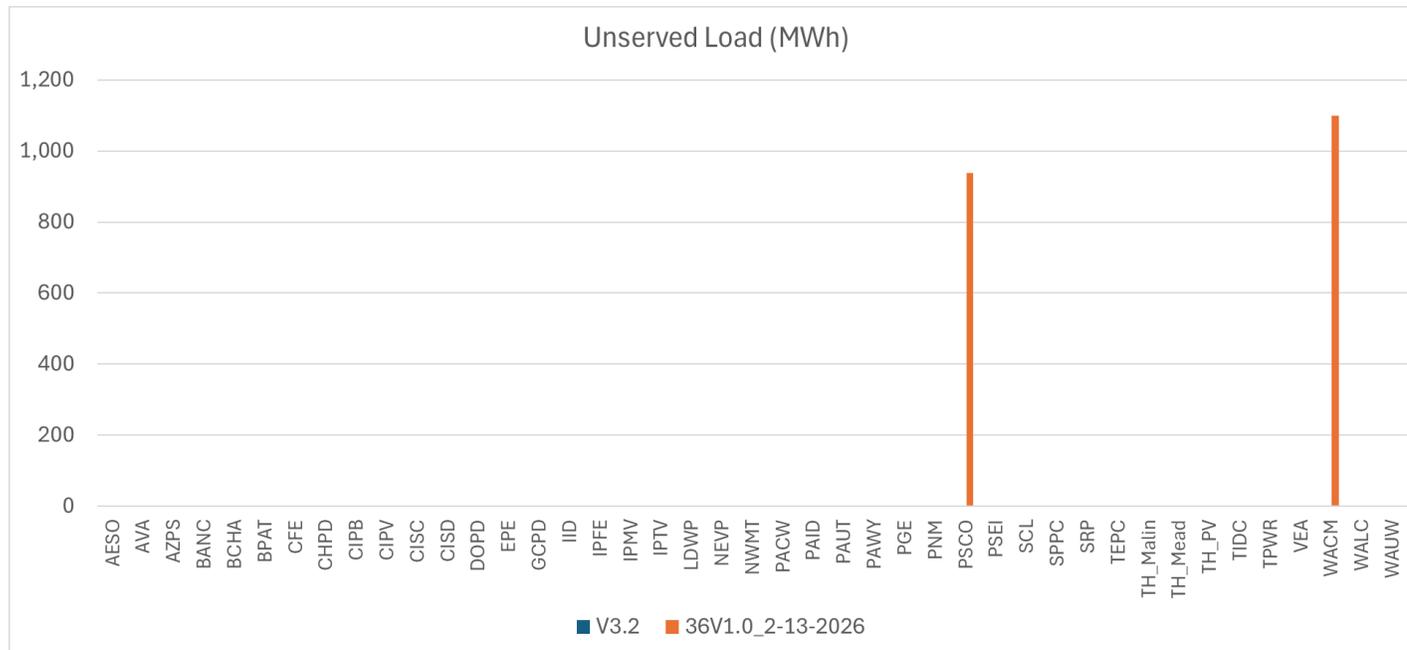
To Do

- Clean up
- Gen Distribution clean up
- Check gens for capacity
- Extend retirement dates of wind/solar?
 - Yes, unless announced retirement date
- Convert Prices to 2026 dollars
- Maintenance
- Add TWE transmission
- Hydro on area shapes
- Wind/Solar PTCs
- Use shortened gen subtype names
- NW Hybrid Hydro, make available



V1.0 Results

Area	Unservd Load (MWh)
PSCO	938
WACM	1100



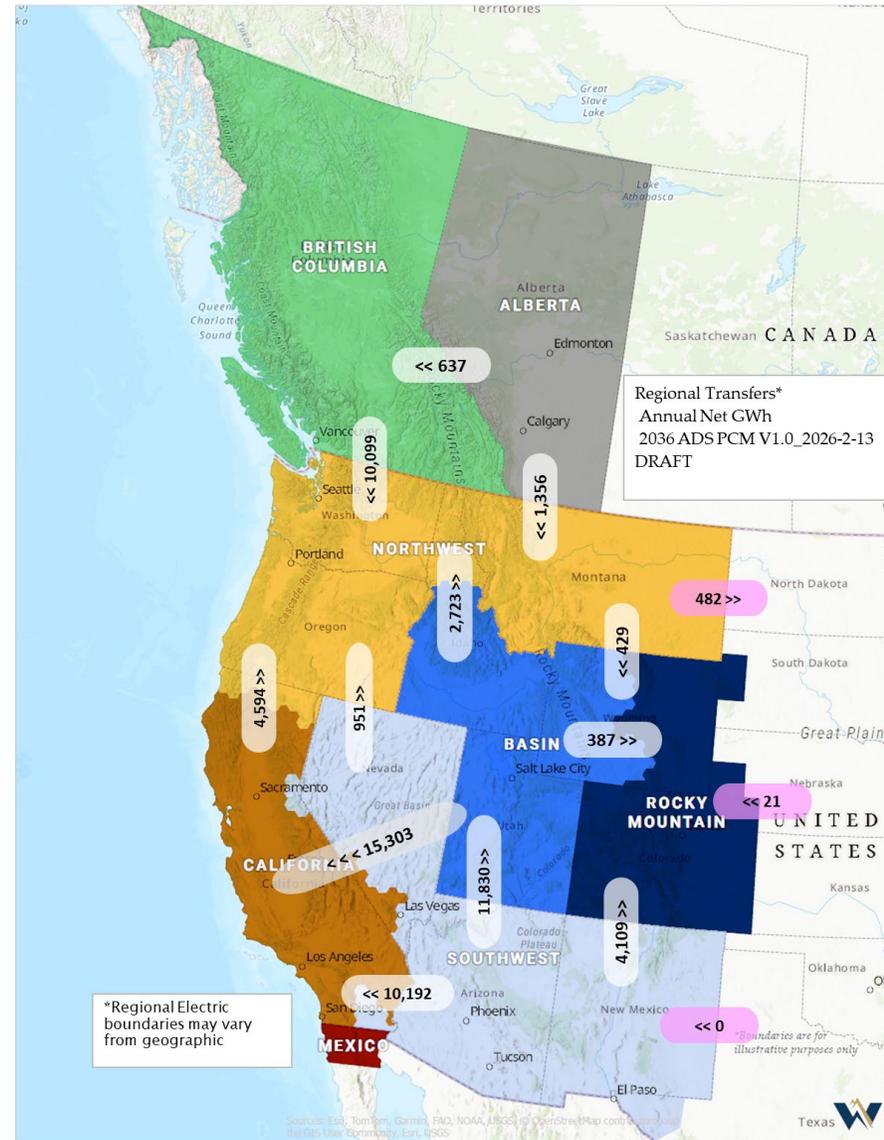


V1.0 Results

Bus Number	Bus Name	Unserved load at bus	Area
70094	CF&IFURN	331	PSCO
70536	KESTREL	211	PSCO
79099	FLOR.RIV	208	WACM
73459	MERDNRCH	180	WACM
72750	GRANDVW	148	WACM
73476	FORESTLK	95	WACM
70027	AIR_LIQ	92	PSCO
79076	AM_EAST	87	WACM
73704	AT_EAST	85	WACM
70097	CF&ISE2	64	PSCO
72751	BAYFIELD	56	WACM
70095	CF&ISE1	55	PSCO
73405	GEESEN	40	WACM
79089	SHENDOAH	40	WACM
72752	SUNNYSDE	35	WACM
72757	SALVADOR	35	WACM
73390	CSOC	31	WACM
72753	RCKCREEK	24	WACM
73416	RANCHO	15	WACM
73463	PADDOCK	12	WACM
79262	CEMNT_CK	4	WACM
72151	LSISSON	4	WACM
70178	FOWLER	4	PSCO
79191	COYOTE_G	1	WACM

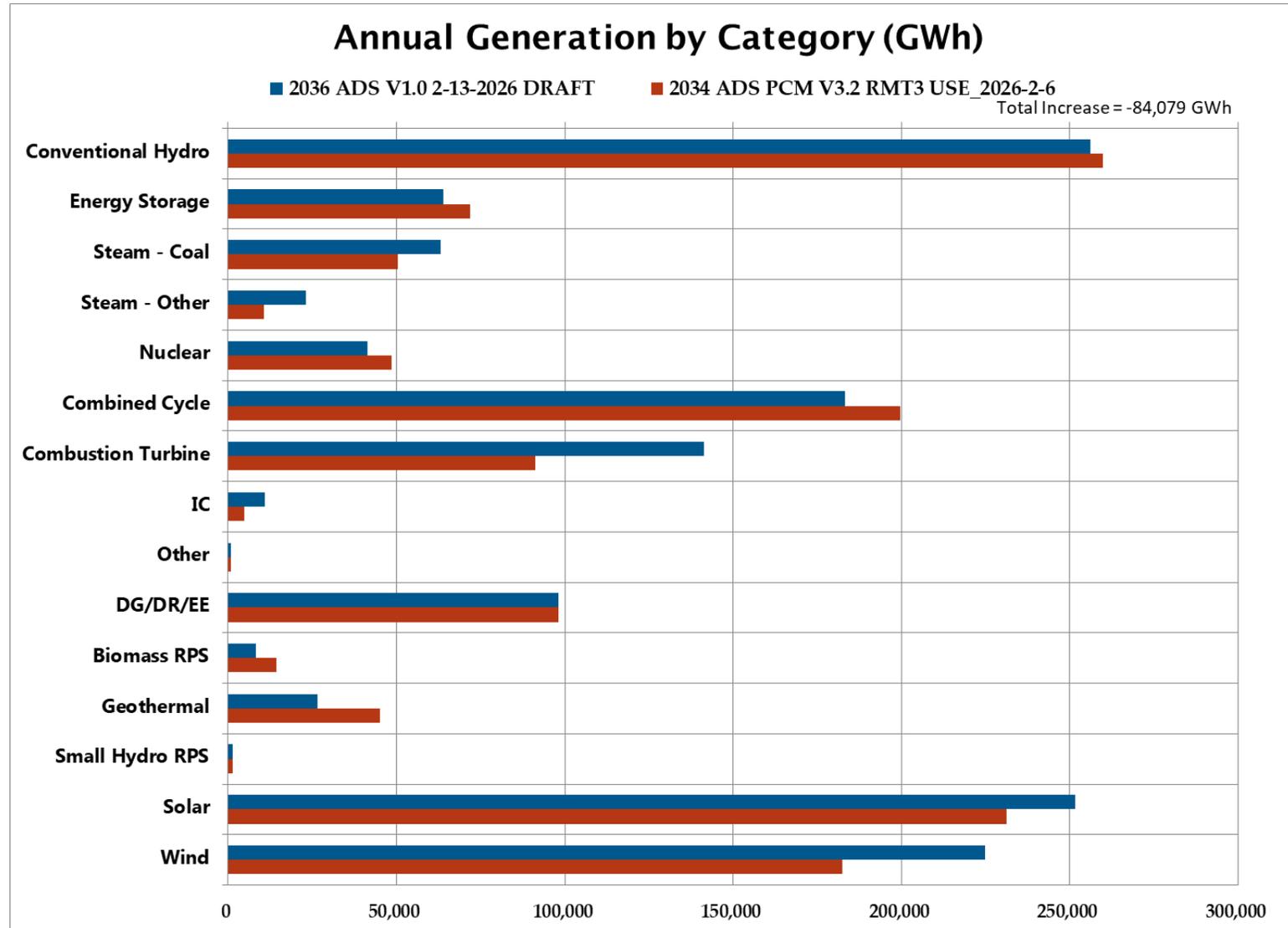


V1.0 Results - Interchanges





V1.0 Results





Projects

- 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

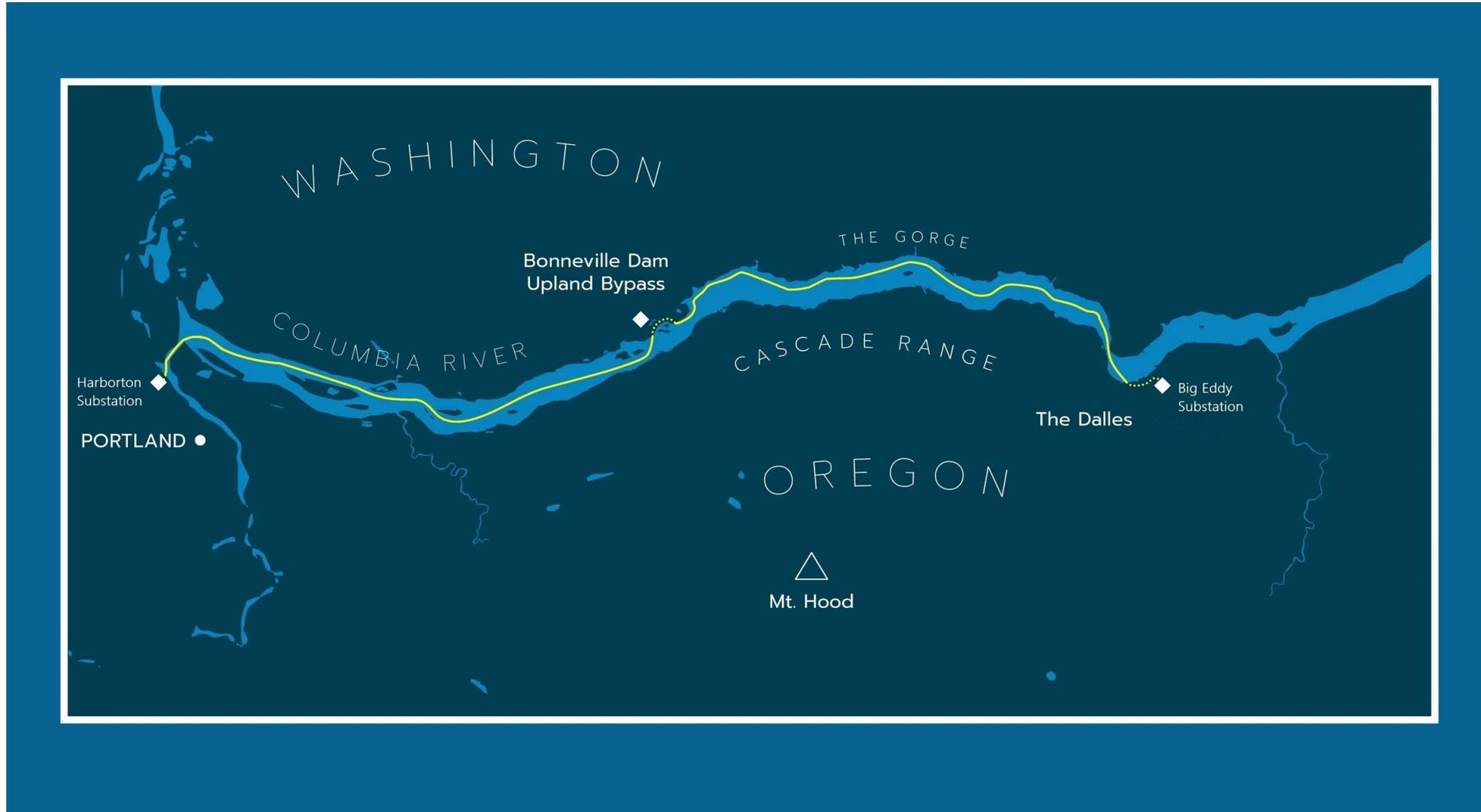


Projects, cont.

- In core case:
 - TWE - Generation in case, TX to be added
 - SunZia – Generation in case on bus 15080 PINAL_C
 - GERP (Waiting to hear from BPA), none of the GERP projects were in the 36HS1 pf
 - CrossTie – Done, make scenario
 - Cascade Renewable Transmission Project – Done, make scenario
 - VEA – Done
 - SWIP (N/S) - Done
 - Harry Allen – Red Butte Corrections - Done
- Scenario:
 - RioSol
 - BPA - Montana to Washington project – Include in core case
 - DC Line from North Plains Connector –
 - Make as hourly gen at Colstrip 500kV, make hourly 0. Others can model as they like?
 - Model as prices?



Cascade Renewable Transmission Project





GV Enhancements

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



Wind and Solar PTCs (Has 10-year period)

- Discussion
- Wind
 - PTCs Expired – Be used up by 2036 (Due to 10-year period)
 - Dispatch cost of \$0 for anything with a commission date before 1/1/2026
 - Not eligible for PTCs – PTC not eligible, units come online after 1/1/2028
 - Dispatch cost of \$0 for anything with a commission date after 1/1/2028
 - Window of PTC – Units eligible for PTCs
 - Dispatch cost of \$-27.5 for anything with a commission date between 1/1/2026 and 12/31/2027
- Solar
 - \$0 Dispatch Cost



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