<Limited-Disclosure>

WECC

PCDS Meeting

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**Electric Reliability
& Security for the West**
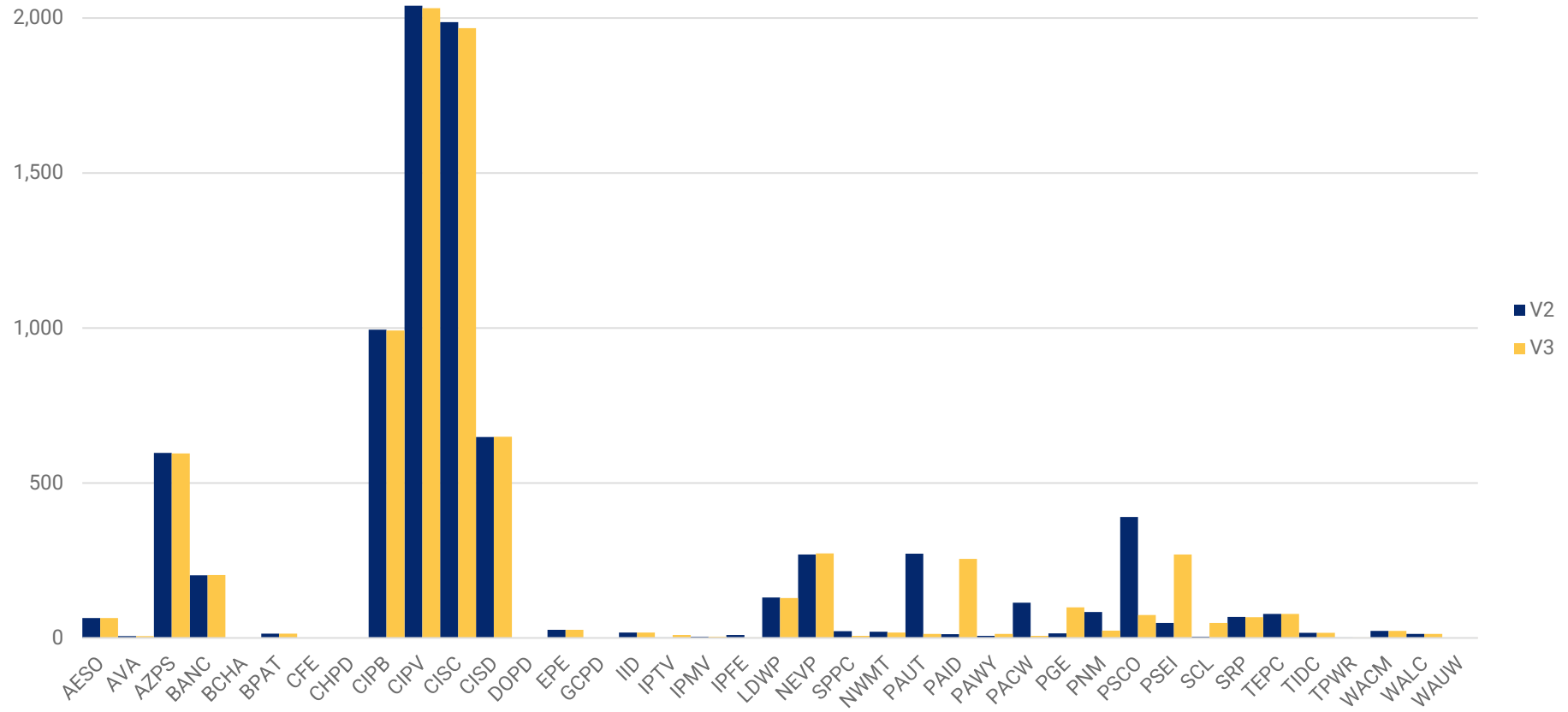
June 4, 2025

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BTM Energy

- Monthly Capacity: Uses L&R data if available, if not, uses EIA

- Multiplies the monthly capacity by the hourly shape for each hour of the month to come up with monthly energy for each month

- The new area hourly shapes used were based on the 2032 county-level shapes

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BTM Energy

BTM Energy by Area

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PSCO WACM Unserved Load

- On checking with WAPA R.M, they confirmed that the San Juan and the Shiprock PS branches in the Four Corners region are PARs with a regulation angle of +/- 30 degrees.

- Operated in tandem to reduce the flows on TOT2A (WECC Path 31 with a rating of 690 MW in N-S direction).

- These were modeled as PARs in the 2032 ADS (angle limit of 30 degrees and regulated flow of 300 MW in either direction).

- Tested ADS 2034 V3 case with the phase regulation enabled at +/- 30 degrees and the unserved load reduced a bit in the WACM and PSCO regions although not completely.

- WAPA R.M also suggested that the issues with unserved load and flows in that region are not surprising given the retirements of large capacity thermal plants like Craig, San Juan, and Four Corners.

PSCO WACM Unserved Load

	ADS 2032	ADS 2034
WACM Total Load (MW)	4433.65	5734.15
WACM Non-Conforming Load (MW)	1038.59	952.44
PSCO Total Load (MW)	11405.84	11313.4
PSCO Non-Conforming Load (MW)	880.21	670.745

- Most of the unserved load observed on non-conforming loads in PSCO and WACM

- Some of the buses seeing big changes in non-conforming loads in these areas include MAYFLOWER (70281), PORTAL (70328), COLFER (72020), LYMAN (73126), ROCKMTCM (73171), WINDSOR (73218), KINGRNCH (74056), MCRSFT-1 (74054)

- Share of overall online non-conforming loads reduced for both PSCO and WACM from 2032 ADS to the 2034 ADS case

Updates

- Pending edits to the case

  - Reserve Distribution Table

  - AB32 updates

  - Tromso units in NV (change to Solar or keep as GT?)

  - Include SWIP North and TWE in the core case and keep them turned off?

  - Optional T3 change case to be updated – Additional units from PAUT and PAID

- Status Updates

  - WECC IT is working on a few things before we post the case

  - The case is posted on the PCDS Team Site