

# WECC

#### 2032 ADS PCM V2.4 Updates and Results

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# 2032 ADS PCM V2.4 Updates

- Incorporated the updated reserve calculations provided by PNNL
- Planned Solano Wind units assigned existing Solano shapes due to low capacity factor of previous shapes
- Wind shapes corrected for a few other wind farms
- VOM added to several batteries that had missing VOM
- Two small Houwelings co-gen units changed to thermal
- Capacities updated in Thermal General table to reflect IO curve
- A few bus and generation distribution table corrections were made

# 2032 ADS PCM V2.4.1 Update

- Ancillary service (reserve) generation settings were being changed by GridView versions 10.3.50 and 10.3.57
  - Issue: Generation types that could contribute to reserves were being changed automatically in GV when the case was selected
    - The largest change was that thermal resources could not contribute
- The generation reserve contributions had to be manually fixed in GV 10.3.50 and 10.3.57 each time the case was selected
- GridView version 10.3.58 fixed the bug



#### **Annual Generation**



#### Annual Energy Difference (GWh): 2032 ADS v2.4.1 vs 2032 ADS v2.3.2



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# **Dump/Spilled Energy**



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## **Path Congestion**

	Total Hours		Positive Hours		Negative Hours	
Paths	V2.3.2	V2.4.1	V2.3.2	V2.4.1	V2.3.2	V2.4.1
P42 IID-SCE	7,841	7,613	7,841	7,613	0	0
P83 Montana Alberta Tie Line	1,737	4,137	1,737	4,137	0	0
P01 Alberta-British Columbia	728	2,884	96	6	632	2878
P27 Intermountain Power Project DC Line	2,172	1,991	1,988	1634	184	357
P26 Northern-Southern California	1,293	1444	0	0	1293	1444
P45 SDG&E-CFE	1,466	1118	355	473	1111	645
P24 PG&E-Sierra	799	783	0	0	799	783
P32 Pavant-Gonder InterMtn-Gonder 230 kV	349	672	0	0	349	672
P16 Idaho-Sierra	698	513	56	29	642	484
P08 Montana to Northwest	149	313	0	0	149	313
P36 TOT 3	38	255	38	255	0	0
P80 Montana Southeast	61	247	59	246	2	1
P66 COI	260	158	260	158	0	0

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### **Total Congestion Hours**



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P01 Alberta-British Columbia - 2032 ADS v2.4.1 Chronological Hourly



P83 Montana Alberta Tie Line - 2032 ADS v2.4.1 Chronological Hourly



P66 COI - 2032 ADS v2.4.1 Chronological Hourly



P65 Pacific DC Intertie (PDCI) - 2032 ADS v2.4.1 Chronological Hourly





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