



# 2032 ADS PCM V2.4 Updates and Results

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# 2032 ADS PCM V2.4 Updates

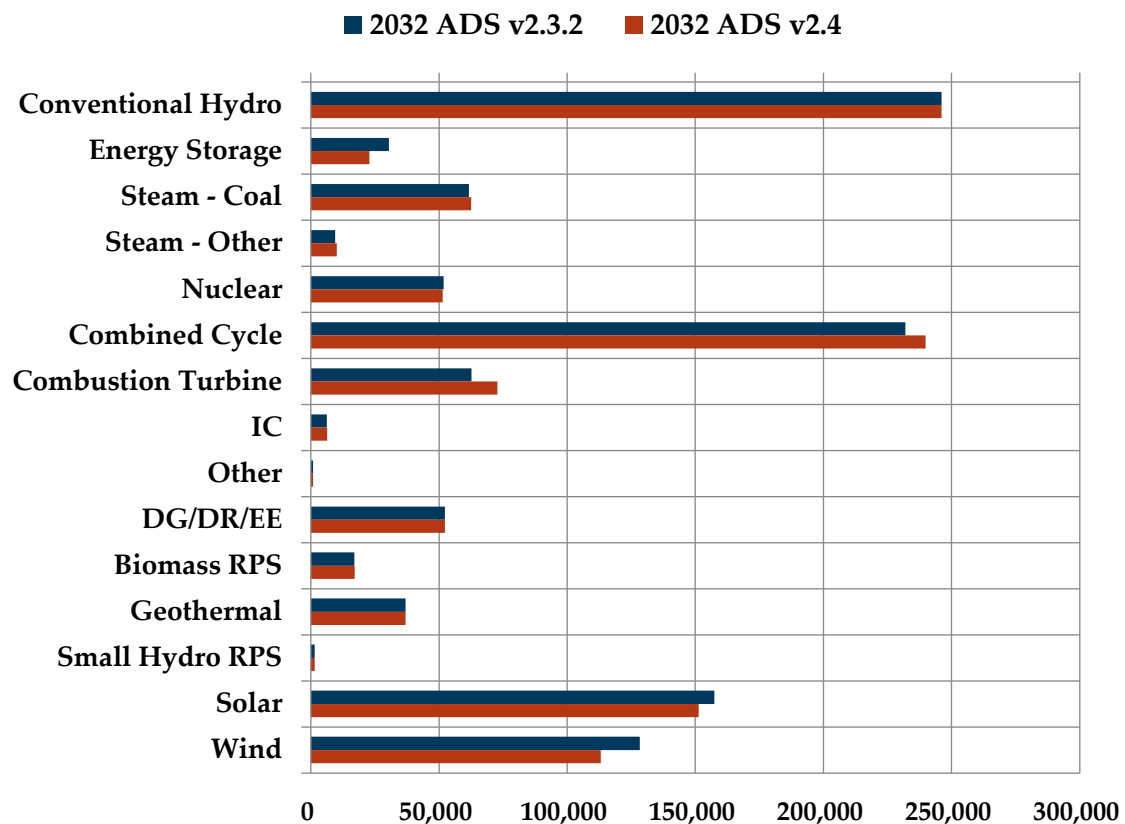
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- Incorporated the updated reserve calculations provided by PNNL
- Planned Solano Wind units assigned existing Solano shapes due to low capacity factor of previous shapes
- Wind shapes corrected for a few other wind farms
- VOM added to several batteries that had missing VOM
- Two small Houweling 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

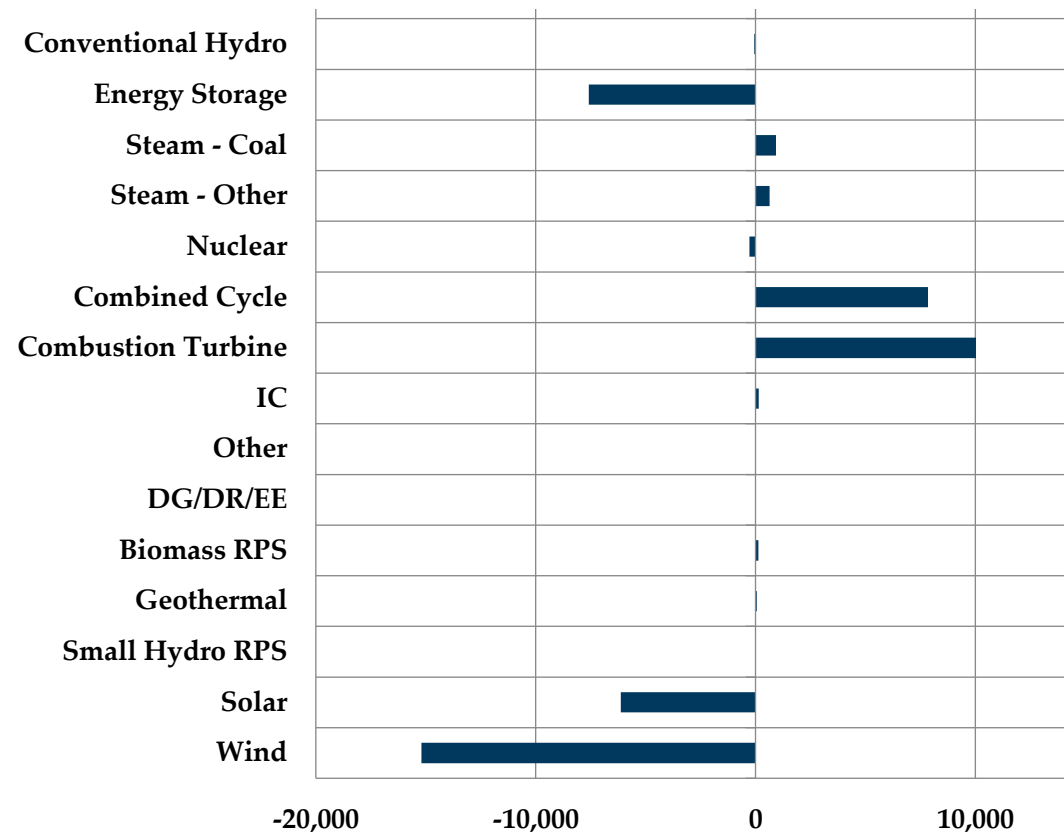
# Annual Generation

## Annual Generation by Category (GWh)

Total Increase = -9,472 GWh

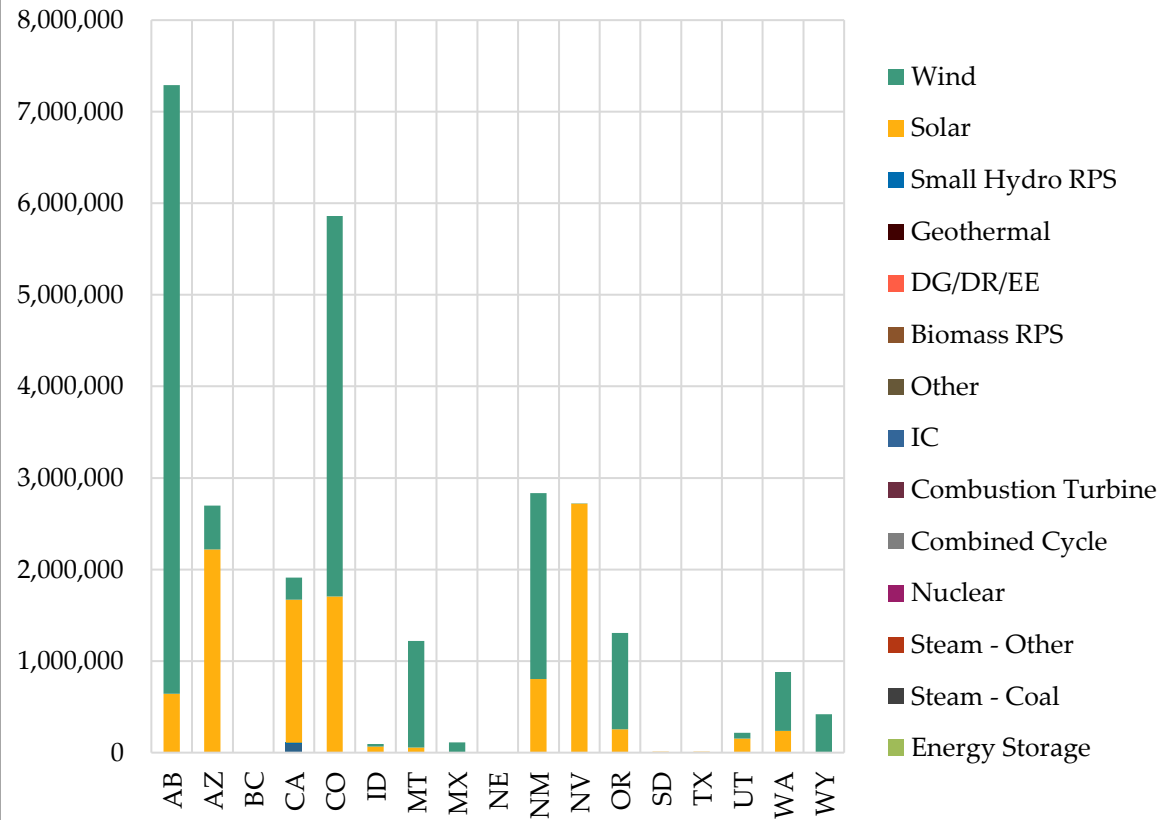


## Annual Energy Difference (GWh): 2032 ADS v2.4 vs 2032 ADS v2.3.2

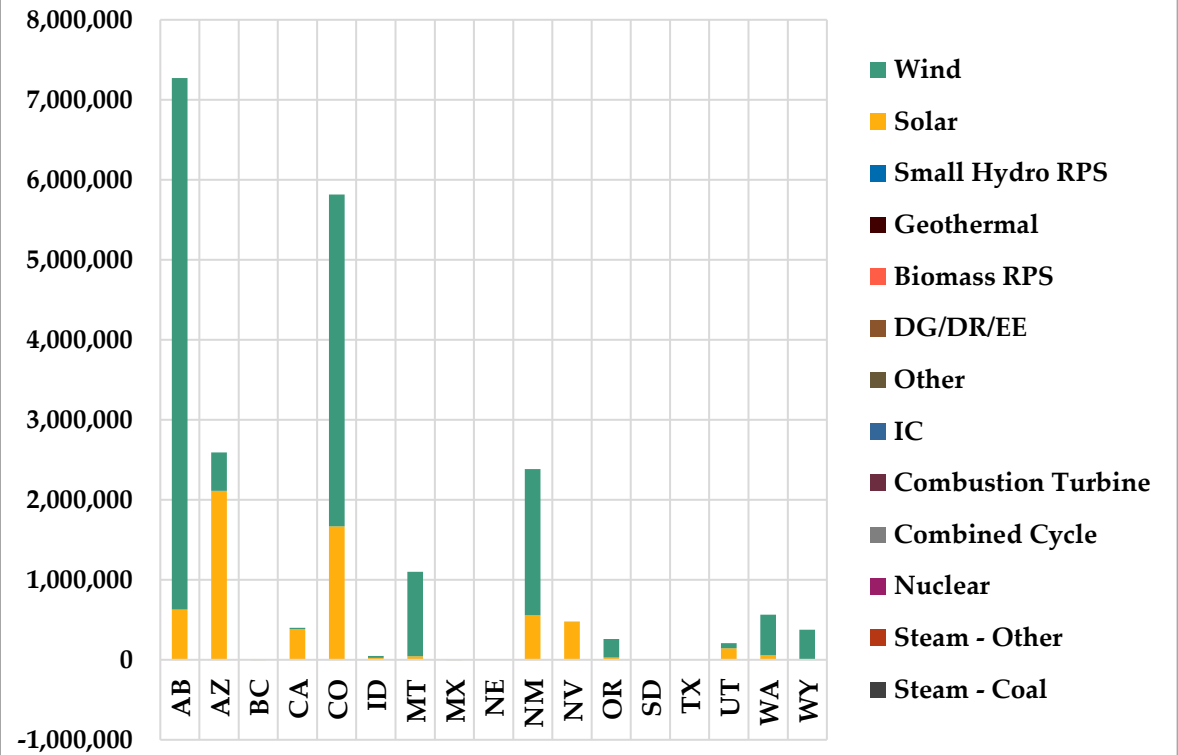


# Dump/Spilled Energy

### Annual Dumped Generation (MWh) by State and Type - 2032 ADS v2.4



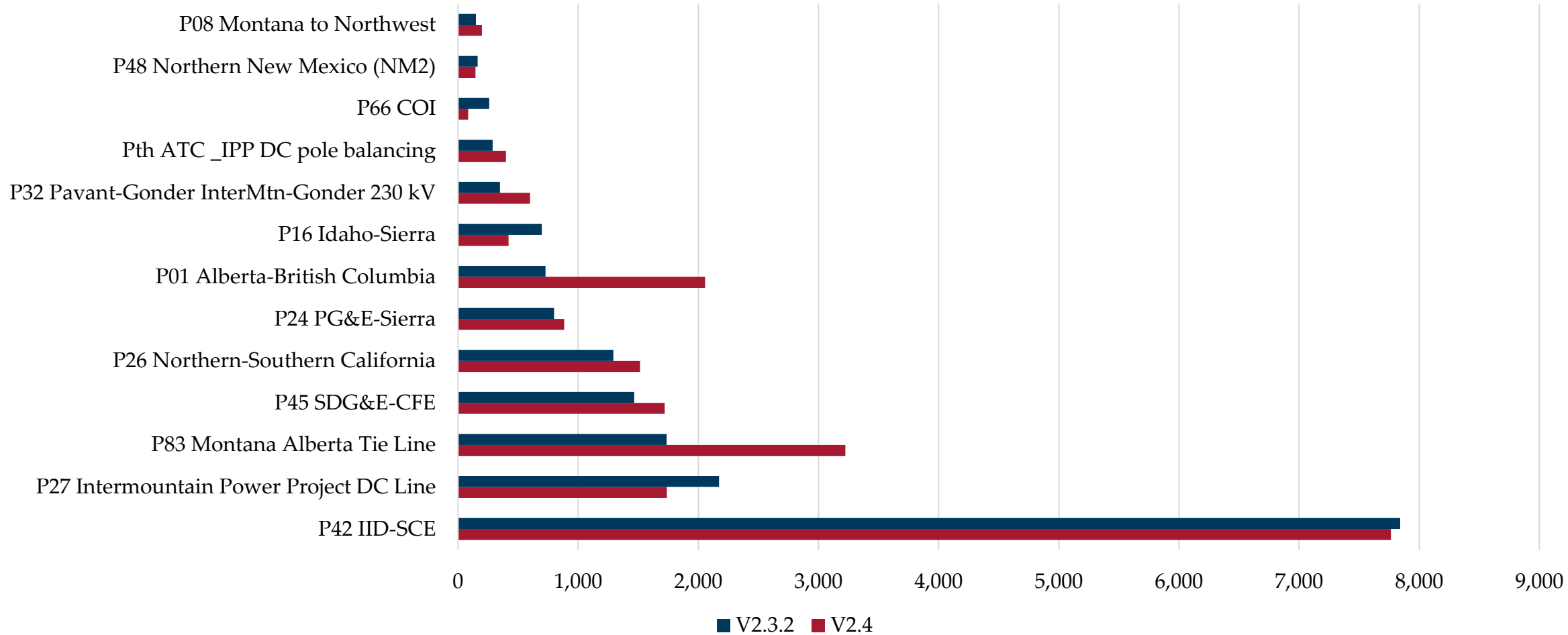
### Change in Annual Dumped Gen (MWh) by State and Type - 2032 ADS v2.4 vs 2032 ADS v2.3.2



# Path Congestion

Paths	Total Hours		Positive Hours		Negative Hours	
	V2.3.2	V2.4	V2.3.2	V2.4	V2.3.2	V2.4
P42 IID-SCE	7,841	7,764	7,841	7,764	0	0
P27 Intermountain Power Project DC Line	2,172	1,738	1,988	1,493	184	245
P83 Montana Alberta Tie Line	1,737	3,223	1,737	3,223	0	0
P45 SDG&E-CFE	1466	1,721	355	541	1111	1,180
P26 Northern-Southern California	1293	1514	0	0	1293	1514
P24 PG&E-Sierra	799	883	0	0	799	883
P01 Alberta-British Columbia	728	2056	96	15	632	2041
P16 Idaho-Sierra	698	420	56	33	642	387
P32 Pavant-Gonder InterMtn-Gonder 230 kV	349	600	0	0	349	600
Pth ATC _IPP DC pole balancing	289	399	152	227	137	172
P66 COI	260	85	260	85	0	0
P48 Northern New Mexico (NM2)	163	145	0	0	163	145
P08 Montana to Northwest	149	199	0	0	149	199

# Total Congestion Hours





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