



# 2032 ADS Data Updates and PCM Dispatch

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Tyler Butikofer  
Staff Engineer

# Data Implemented/Fixed in 6-24 ADS

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- For active wind and solar:
  - Multiplier is equal to capacity from L&R
  - All have the 2018 NREL created shapes
  - Concentrated Solar are using old shape. We do not have new shapes.
- VAR margin for storage units with 0, changed to 1
- Generation aligned with Loads and Resources and PF buses.
  - Only units that are in L&R are turned on.

# Data Implemented since last run

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- AB32 Nomogram
- CO2 Price for AESO, BCHA, and California updated
- Interfaces verified and updated by Hitachi

# Data being worked on

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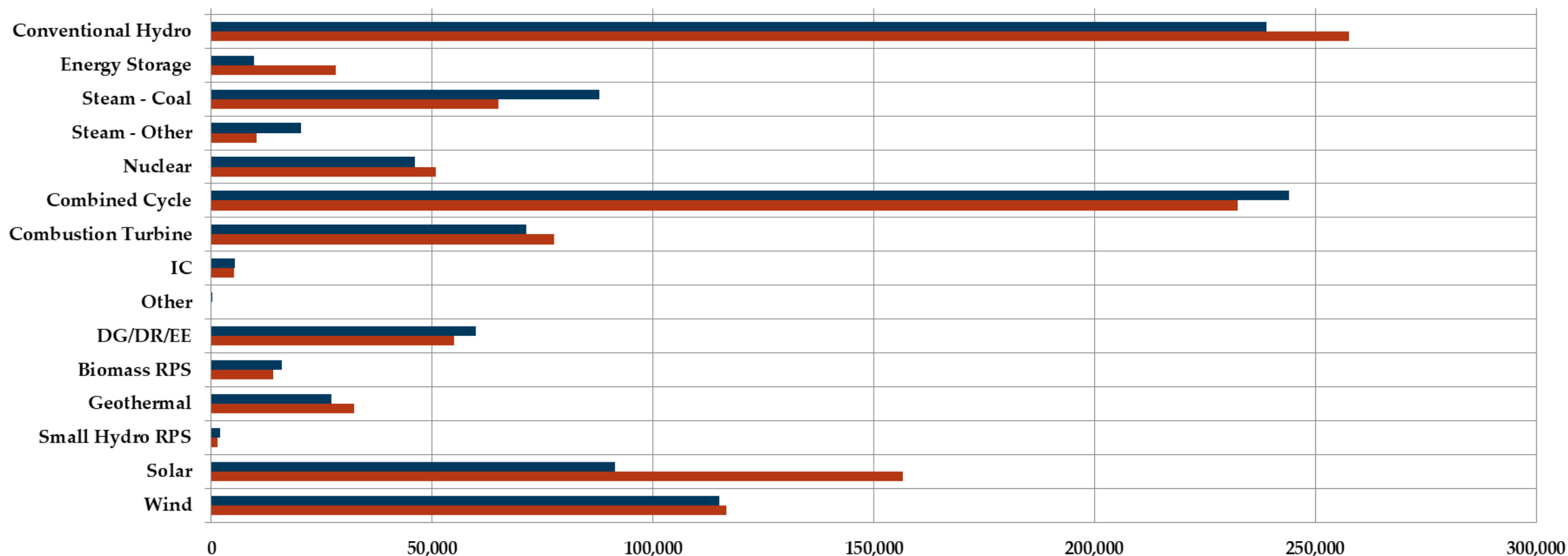
- Maintenance Schedule
- Checking the hourly loads
- Hydro dispatch cost
  - LDWP—hydro is spilled on same level as wind and solar
- Update BC Hydro with Kevin's spreadsheet
- Area bus assignment

# Results of 6-24 Case Run

# Generation Dispatch

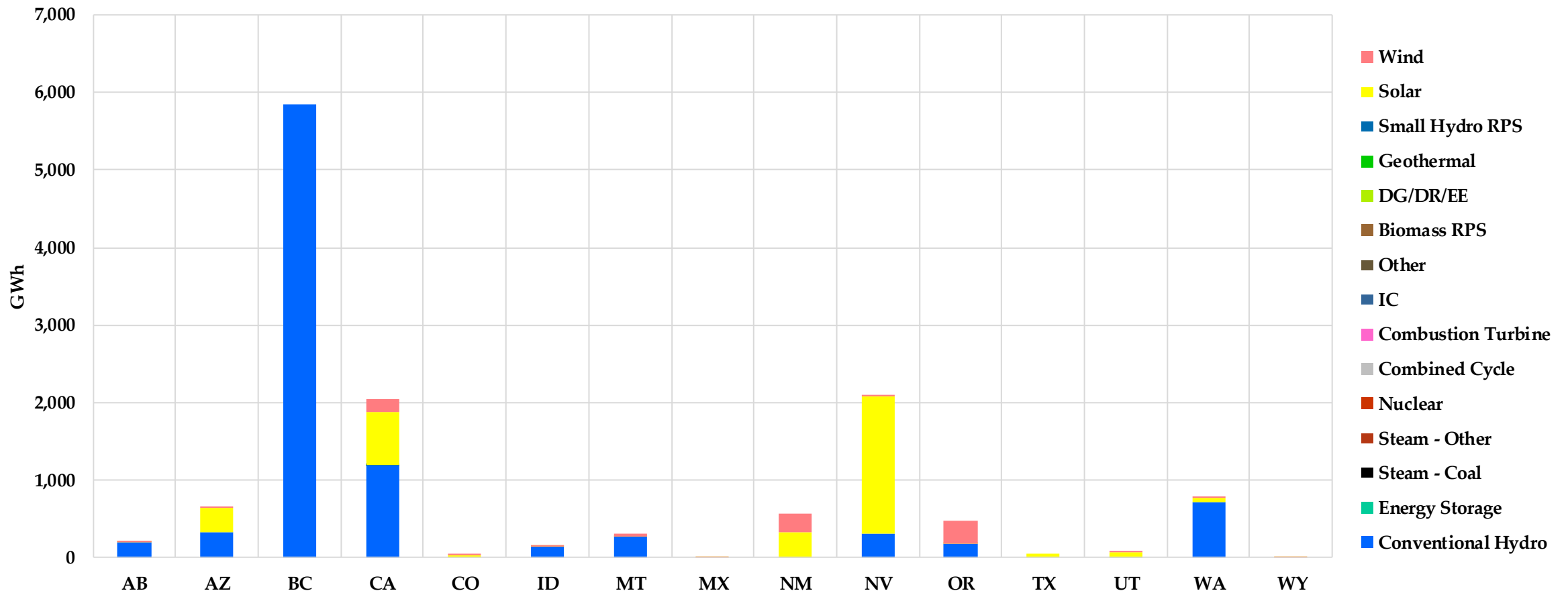
## Annual Generation by Category (GWh)

■ 2030 ADS V2.3 ■ 2032 ADS 6-24



# Dumped Energy

Annual Dumped Generation (GWh) by State and Type - 2032 ADS 6-24



# Why is BCHA Hydro Spilling

Total	2032 ADS 6-24	2030 ADS V2.3
Hydro Gen	71,411,743	71,946,187
Spillage	5,845,126	0

BCHA hydro modeling is the same in the 2030 and 2032 cases, except 2032 hydro is allowed to spill. Generation is the same but they also additional spill energy in the 2032. Total Energy should be the same. How is this occurring? See example below

Unit	Total Gen (MWh)		Total Spill (MWh)		Total Energy (MWh)	
	2032 ADS	2030 ADS	2032 ADS	2030 ADS	2032 ADS	2030 ADS
BridgeRiver21	149,399	149,399	30,195	0	179,594	149,399
BridgeRiver22	149,399	149,399	30,132	0	179,530	149,399
BridgeRiver23	149,399	149,399	30,180	0	179,579	149,399
BridgeRiver24	149,399	149,399	30,175	0	179,574	149,399
BridgeRiver1	198,715	198,715	40,049	0	238,764	198,715
BridgeRiver2	198,715	198,715	40,019	0	238,734	198,715
BridgeRiver3	198,715	198,715	40,061	0	238,776	198,715
BridgeRiver4	198,715	198,715	40,022	0	238,737	198,715





## Contact:

Tyler Butikofer

[tbutikofer@wecc.org](mailto:tbutikofer@wecc.org)