WECC

PCDS Meeting

April 30, 2025

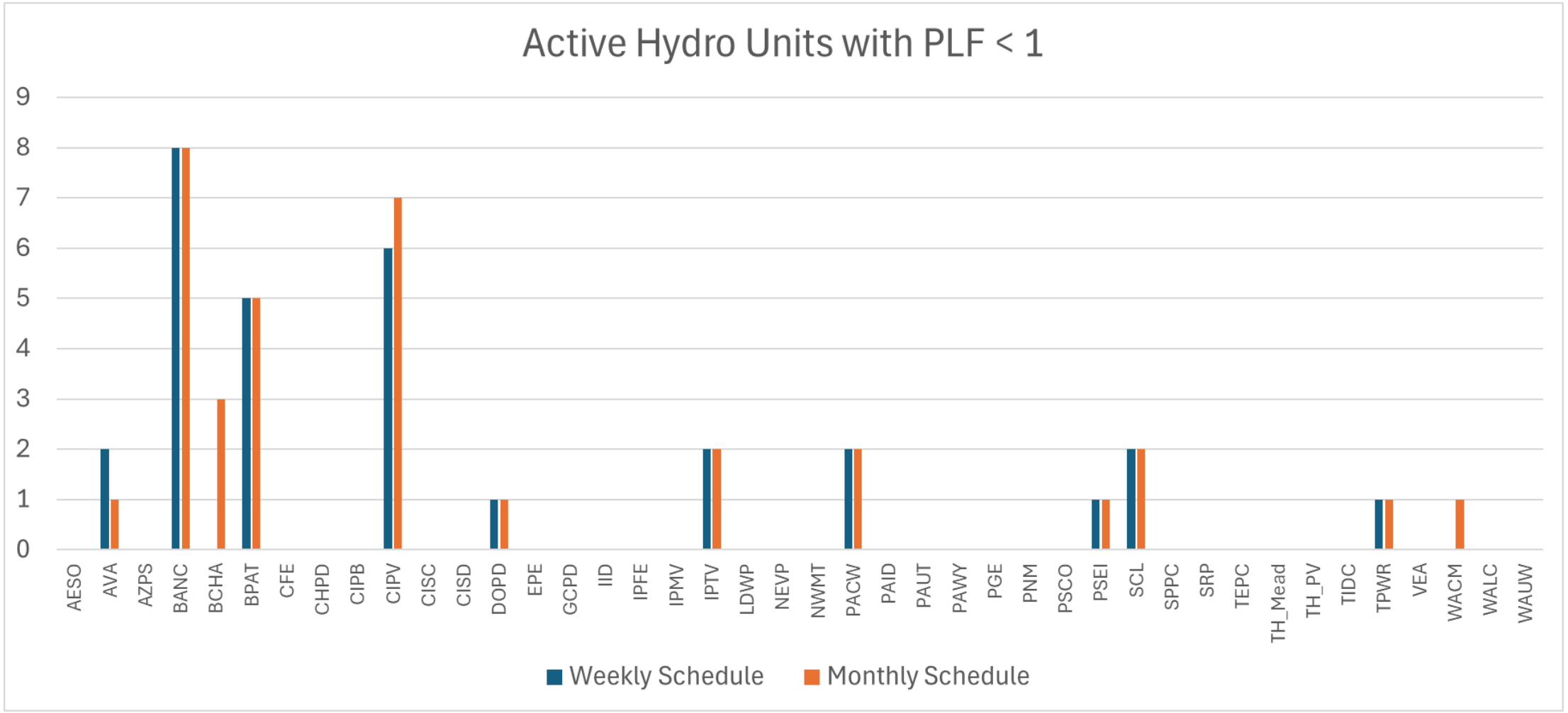
WECC

ADS Schedule

- Review Case
  - May 7-21, 2025
- Review/Changes
  - May 21-28, 2025
- Approve Case
  - May 28, 2025

* Cancel the May 14th PCDS meeting

Hydro Proportional Load Following



Hydro Proportional Load Following

- Active Hydro units
  - Monthly Total Units = 34
  - Weekly Total Units = 30

Generator Placement Methodology

Methodology

- Unmapped Generators in PCM to PF

1. Latitude/Longitude ~ 700 generators
    1. ~ 450 unmapped generators from PF with coordinates
2. County and State ~ 50
3. State and BA ~ 40

* Bus Names – Generators with a Bus/Substation names ~ 140

Generator Placement Methodology

- "Close Enough" – distance range (10, 25, 50 miles?)
- Latitude/Longitude

1. Unmapped PF generators with locations
2. Bus locations in same BA
    - KV Limit – APFTF limited by highest KV in BA
    - Closest bus to generator
        - KV Limit

1. Closest bus to generator no KV Limit

Generator Placement Methodology

- County and State
  1. Use open PF with Generator Type/Fuel – no KV limit
  2. Use known bus locations
  3. Use bus within the BA
- State and BA
  1. Use open PF with Generator Type/Fuel
- Bus Name
  1. Match with existing Bus/Substation Name and KV

To Do

- To Do
  - Data Checks
    - Aggregations/Distribution Table check
  - 2005 AESO Hydro Data
  - Thermal heat rate update
    - Start review of the case
  - Update placed units from the LnR

Generator Placement Methodology

- KV Limit
  - Based on APFTF

Interconnection Voltage	Resource Capacity
0 to 34.5 kv	Up to 5 MW
34.5 to 69 kv	5 to 25 MW
115 kv	25 to 50 MW
230 kv	50 to 125 MW
500 kv	250 to 1250 MW

  - Used ranges

Interconnection Voltage	Resource Capacity
0 to 34.5 kv	Up to 5 MW
34.5 to 69 kv	5 to 25 MW
115 kv	25 to 50 MW
230 kv	50 to 125 MW
345 kv	**125 to 250 MW**
500 kv	Greater 250 MW

WECC

Electric Reliability and Security for the West

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