



Considerations for an alternate WECC ADS 2034 case or WECC ADS 2036 Base Case

WECC PCDS monthly meeting
February 4th 2026



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BPA's proposal to consider an alternate weather year

Proposal:

Replace data for some Columbia River Basin hydropower plants in an ADS Case with an alternate year better representing average conditions

Motivation:

Generation in the Pacific Northwest in the current 2018 weather year is high and does not reflect average conditions

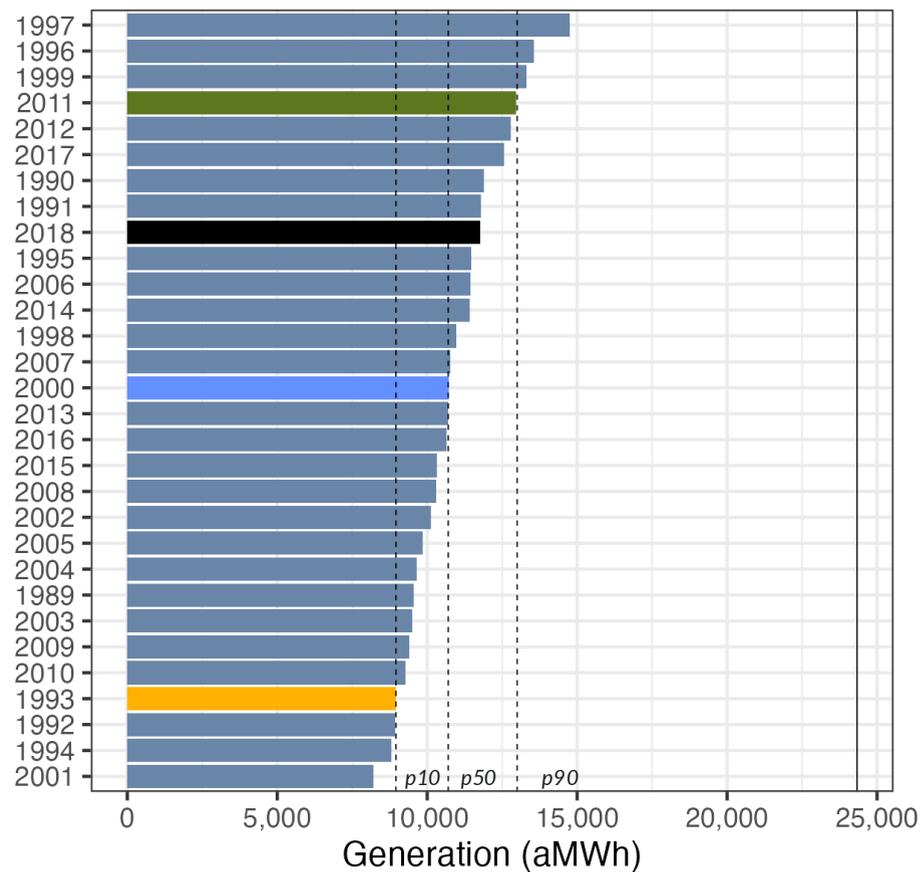
Proposed Approach

- Update data in the Pacific Northwest using weather year 2000 in place of 2018
- Expand the number of plants using simulated generation data that reflects forward-looking water management (regulation) from 10 to 19
- Use a revised set of simulated generation data that contains the latest interpretation of the EIS, provided by BPA

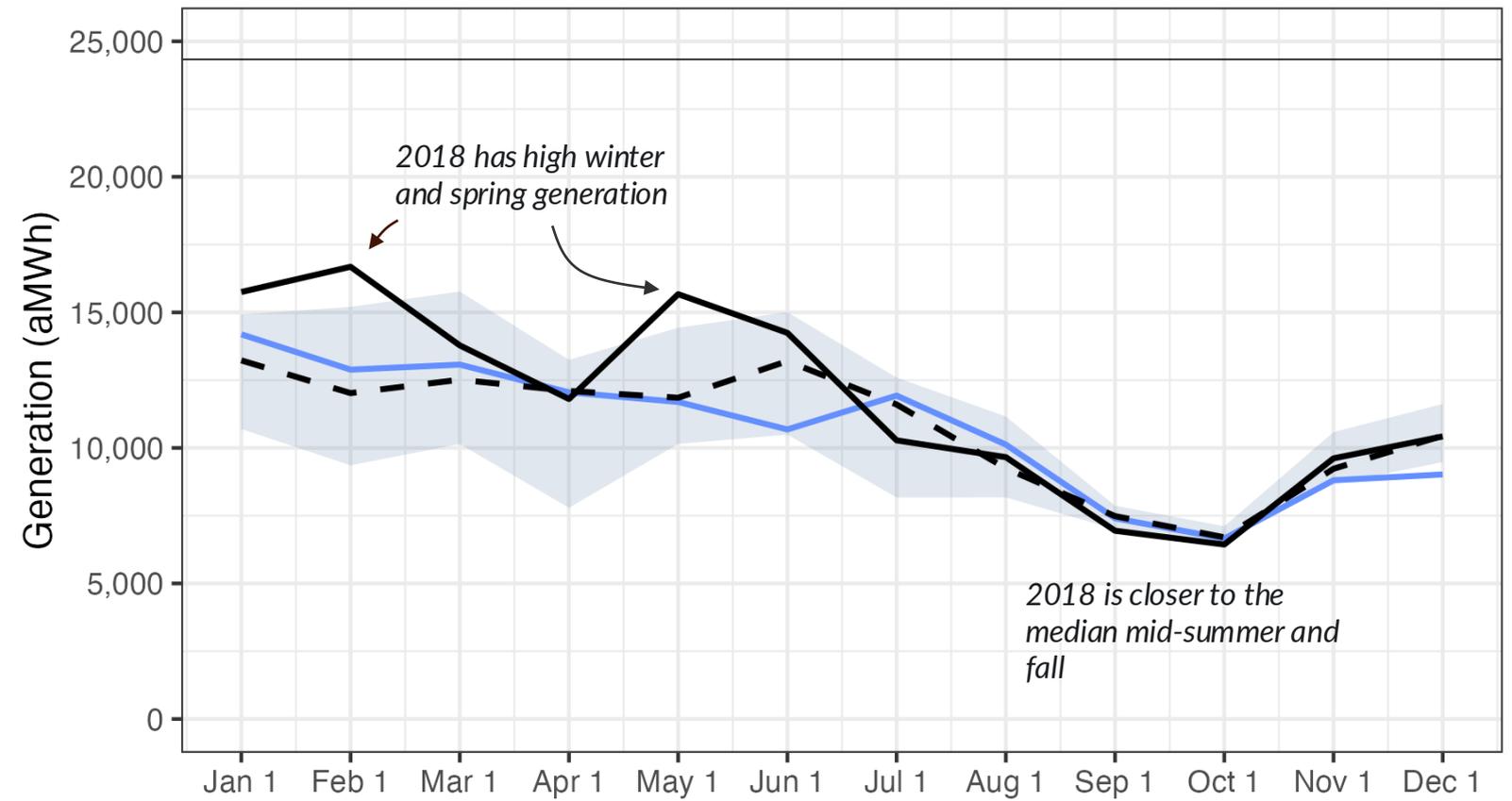
Evaluation

Use 2000 as the median year as it follows the long-term (1989-2018) median more closely than 2018 in the PNW

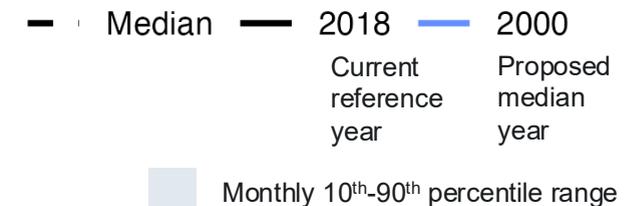
Annual Generation



Monthly Generation



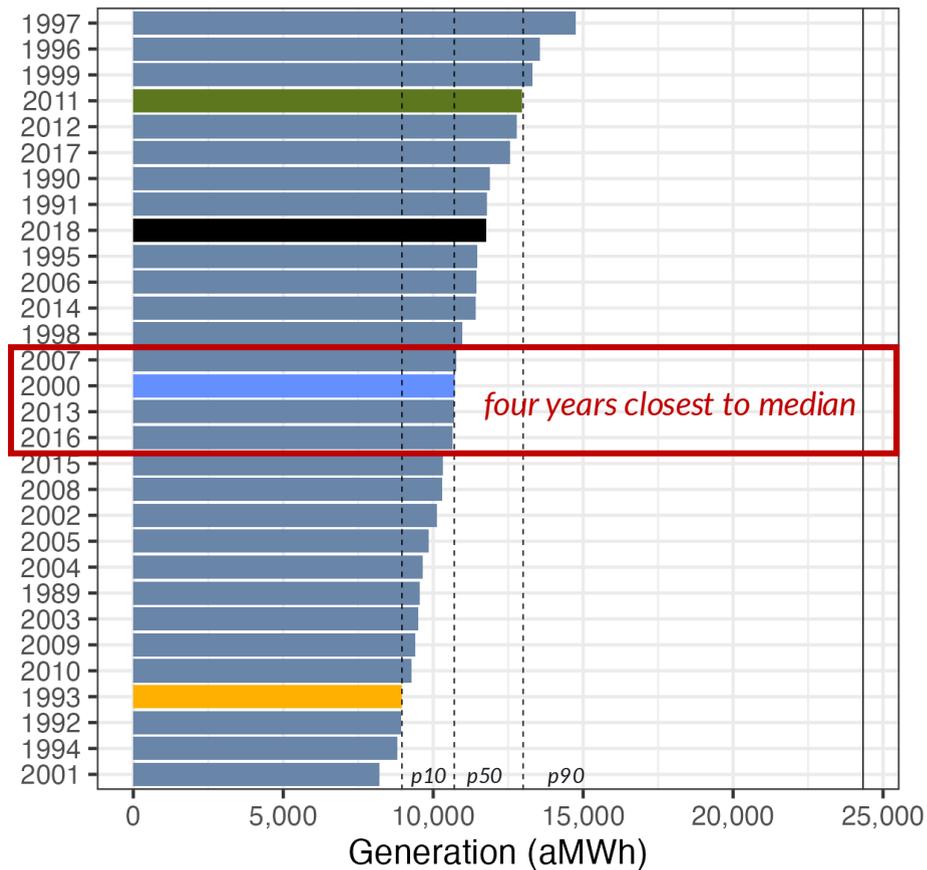
- Generation shown in average MWh total for Big 10 + Mid-C + headwaters projects
- Forward-looking operations simulated using HYDSIM with unregulated flows



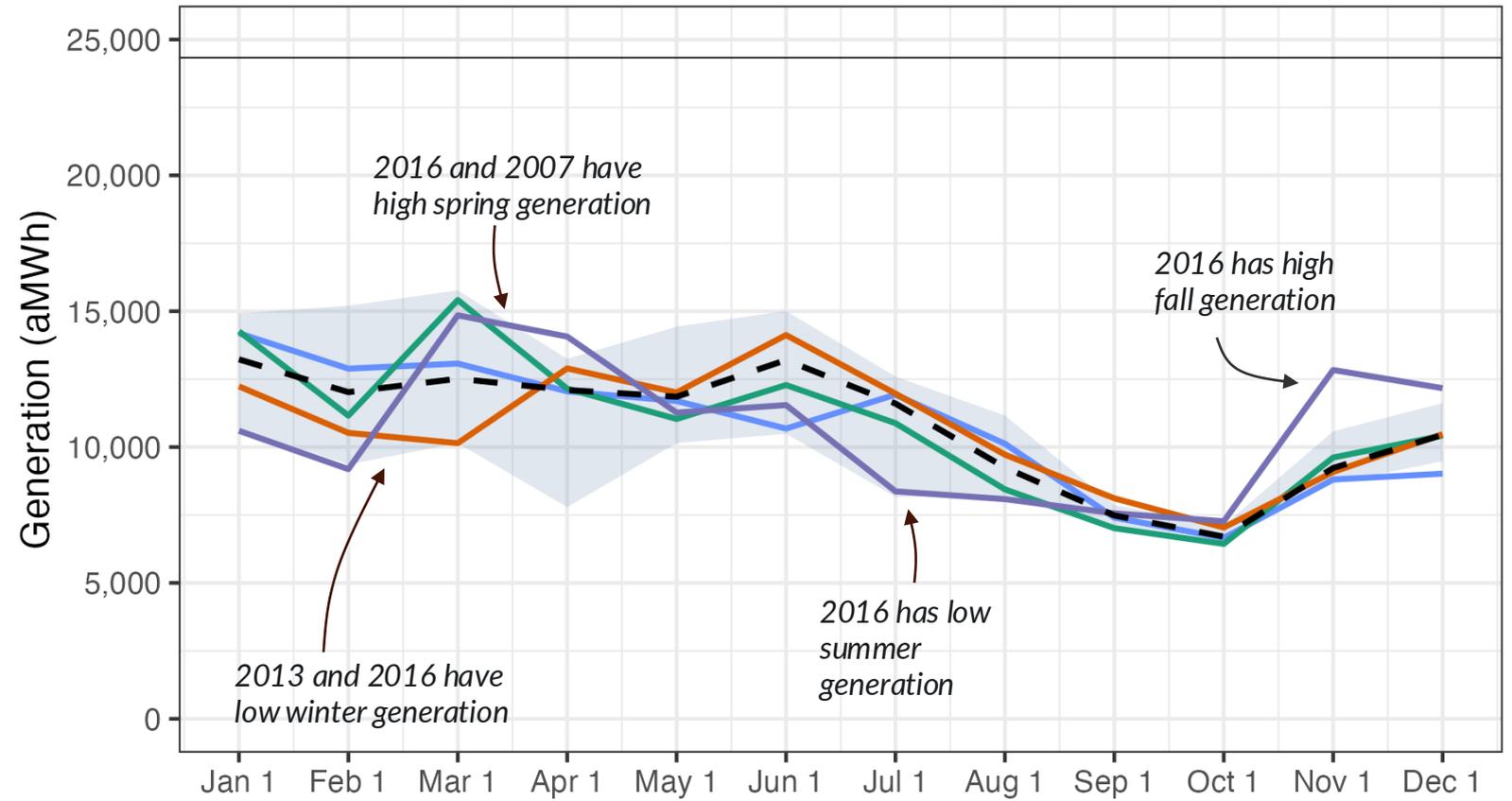
Evaluation

2000 was selected over other years because it most closely matched the median throughout the year

Annual Generation



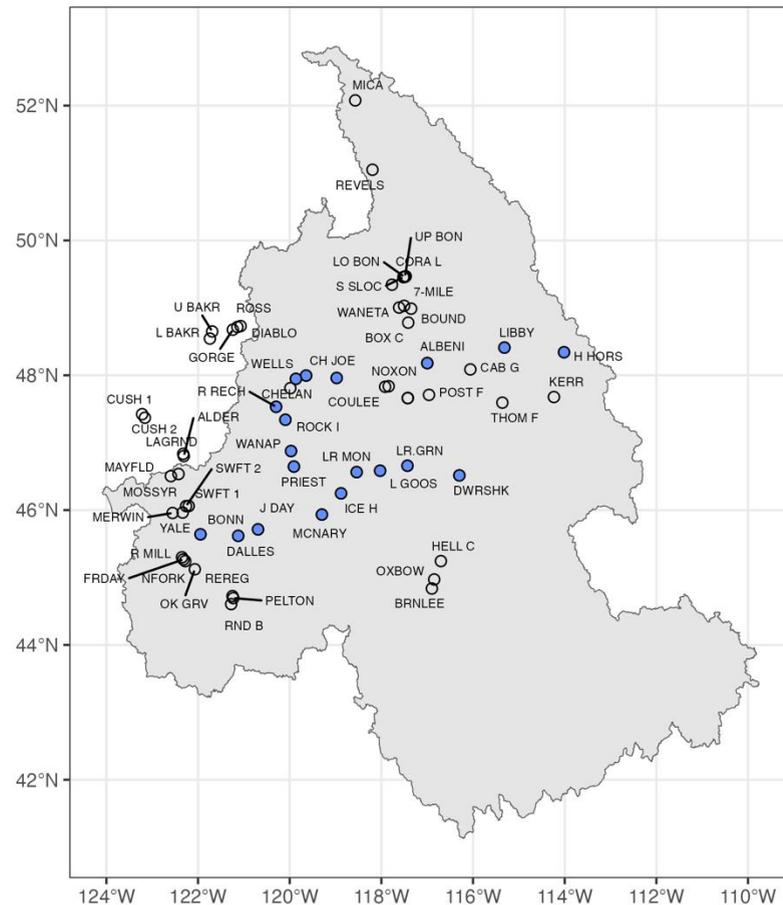
Monthly Generation



Summary of projects

Use simulated generation* at 19 key plants: 4 headwaters projects, the Big 10, and the Mid-Cs

In current 2034 ADS Base Case, only the Big 10 use simulated generation



Plant Name	Transmission Planning Group	Operator	FCRPS	FCRPS: Big 10	FCRPS: Big 15
Hungry Horse	Headwater	US Bureau of Reclamation	Yes	No	Yes
Libby	Headwater	US Army Corps of Engineers	Yes	No	Yes
Dworshak	Headwater	US Army Corps of Engineers	Yes	No	Yes
Albeni Falls	Headwater	US Army Corps of Engineers	Yes	No	Yes
Lower Granite	Lower Snake	US Army Corps of Engineers	Yes	Yes	Yes
Little Goose	Lower Snake	US Army Corps of Engineers	Yes	Yes	Yes
Lower Monumental	Lower Snake	US Army Corps of Engineers	Yes	Yes	Yes
Ice Harbor	Lower Snake	US Army Corps of Engineers	Yes	Yes	Yes
Grand Coulee	Upper Columbia	US Bureau of Reclamation	Yes	Yes	Yes
Chief Joseph	Upper Columbia	US Army Corps of Engineers	Yes	Yes	Yes
McNary	Lower Columbia	US Army Corps of Engineers	Yes	Yes	Yes
John Day	Lower Columbia	US Army Corps of Engineers	Yes	Yes	Yes
The Dalles	Lower Columbia	US Army Corps of Engineers	Yes	Yes	Yes
Bonneville	Lower Columbia	US Army Corps of Engineers	Yes	Yes	Yes
Wells	Mid Columbia	Douglas County PUD	No	No	No
Rocky Reach	Mid Columbia	Chelan County PUD	No	No	No
Rock Island	Mid Columbia	Chelan County PUD	No	No	No
Wanapum	Mid Columbia	Grant County PUD	No	No	No
Priest Rapids	Mid Columbia	Grant County PUD	No	No	No

Notes:

All subject to CRS Hydro Regulation
CGS nuclear plant part of Big 15 and not included

* Simulations provided by BPA from the HYDSIM model

Next Steps

- Discuss and agree on the approach for Mid-C in the case
- Develop hydropower generation data in alternate year for PNW facilities using BPA-provided HYDSIM data
- Replace generation in current ADS Base Case for PNW facilities with new generation data