

A scenic landscape photograph of a river valley. In the foreground, there are several evergreen trees. The river flows through the center of the valley, with a suspension bridge crossing it in the distance. The mountains are covered in dense forest, and the sky is clear with some light clouds. The sun is visible in the upper left corner, creating a lens flare effect.

Regional Utility Perspective

2024 Northwest Regional Forecast

NWGA Annual Energy Conference | June 13, 2024

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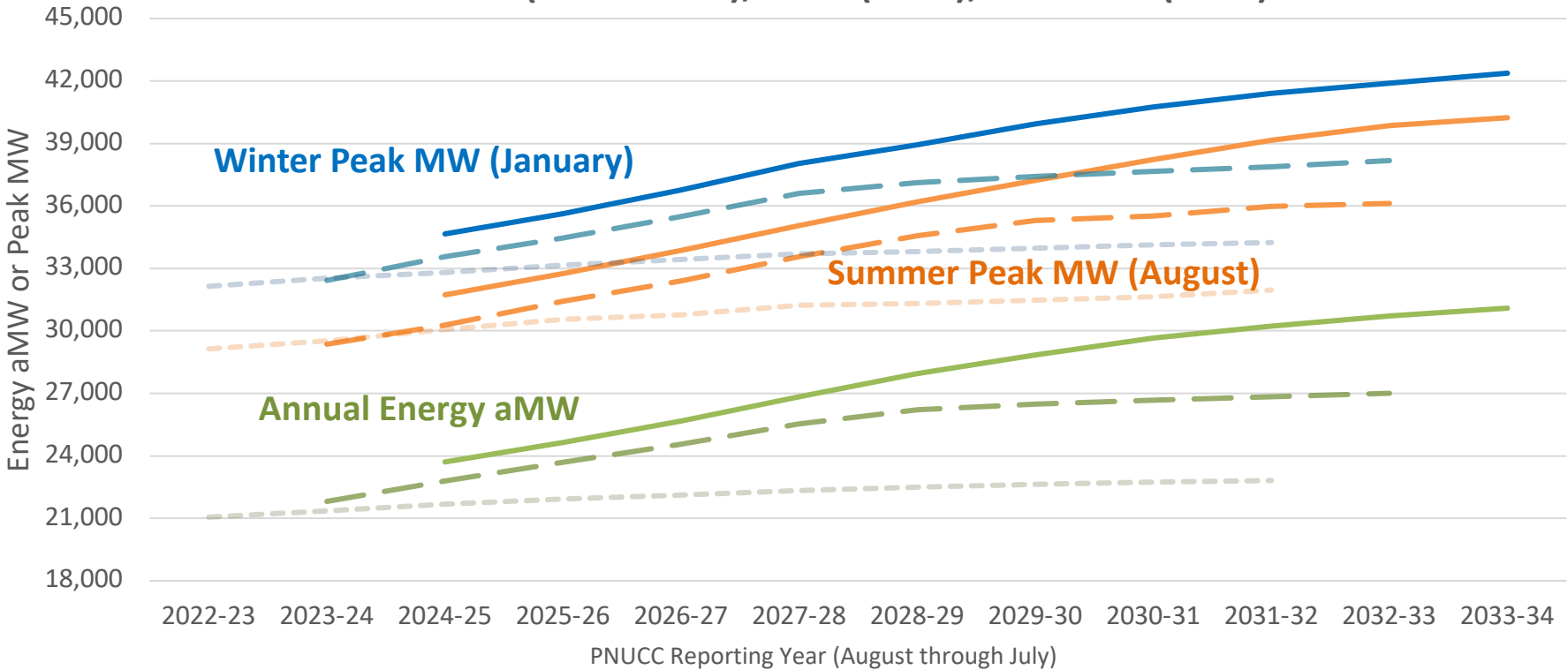
Northwest Regional Forecast: A regional barometer



- For over 70 years, annual look at Northwest utilities' firm loads & resources
- Tracks trends using consistent assumptions for annual energy, winter, & summer peak
- Tool to understand the evolving state of the Northwest power system
- Power Act footprint (WA, OR, ID, western MT)

Demand for electricity could grow by over 30% in next decade

10-year Load Forecast Comparisons
2022 (dotted line), 2023 (dash), and 2024 (solid)



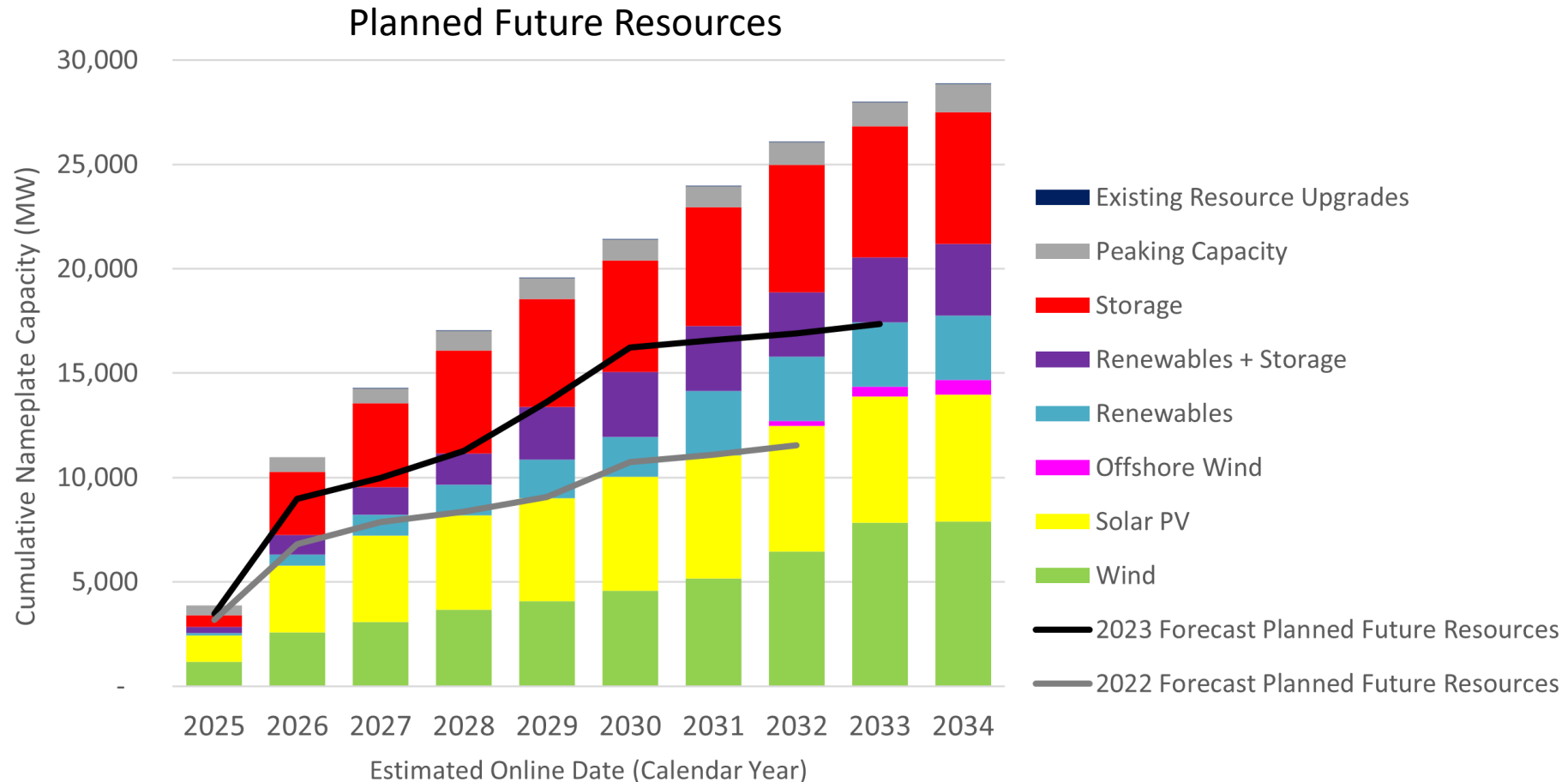
Growth Rates

Winter Peak	5 year	10 year
2024 Forecast	2.9%	2.3%
2023 Forecast	2.7%	1.8%
2022 Forecast	1.0%	0.7%

Summer Peak	5 year	10 year
2024 Forecast	3.2%	2.7%
2023 Forecast	3.3%	2.3%
2022 Forecast	1.4%	1.0%

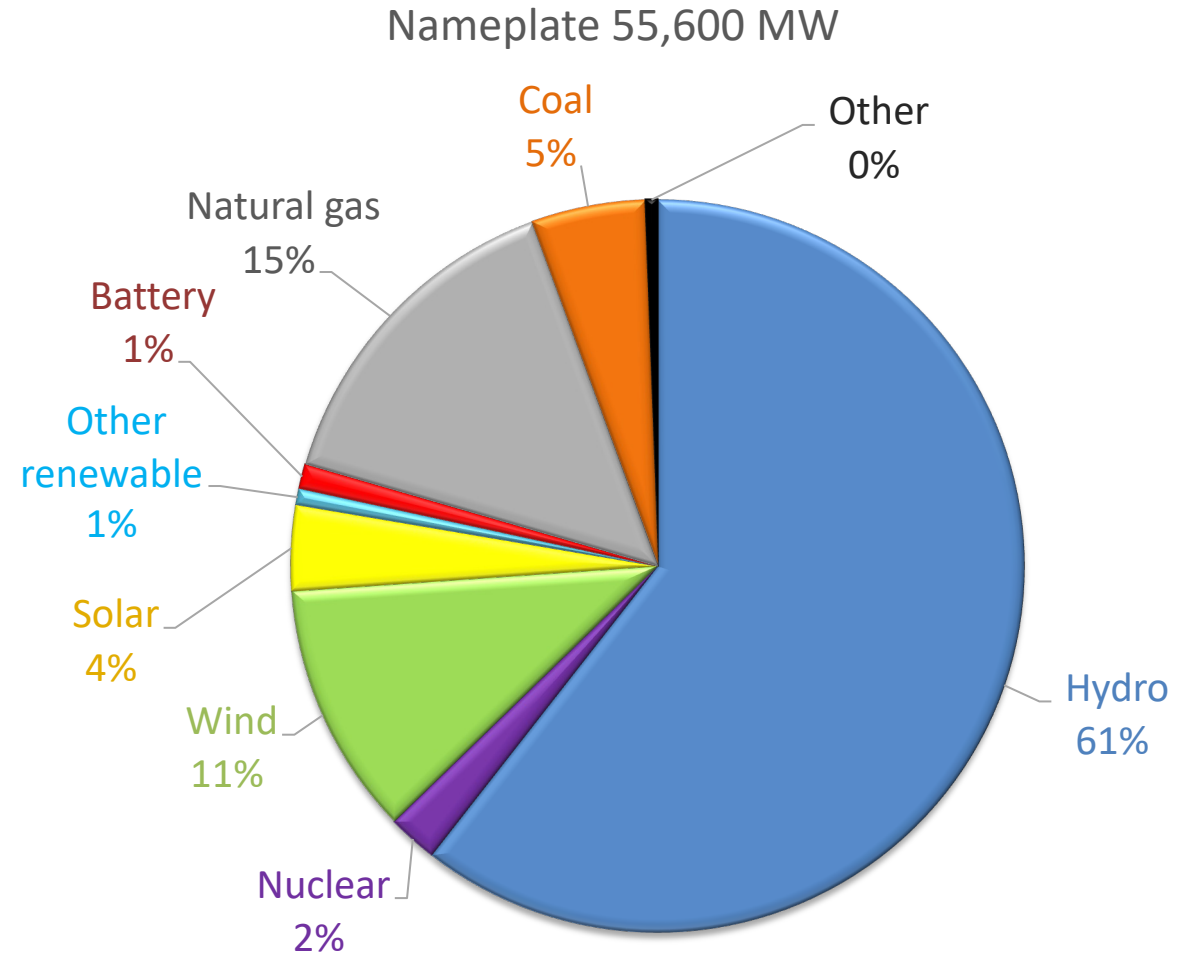
Energy	5 year	10 year
2024 Forecast	4.0%	3.1%
2023 Forecast	3.8%	2.4%
2022 Forecast	1.2%	0.9%

Utilities have identified an unprecedented amount of new generation



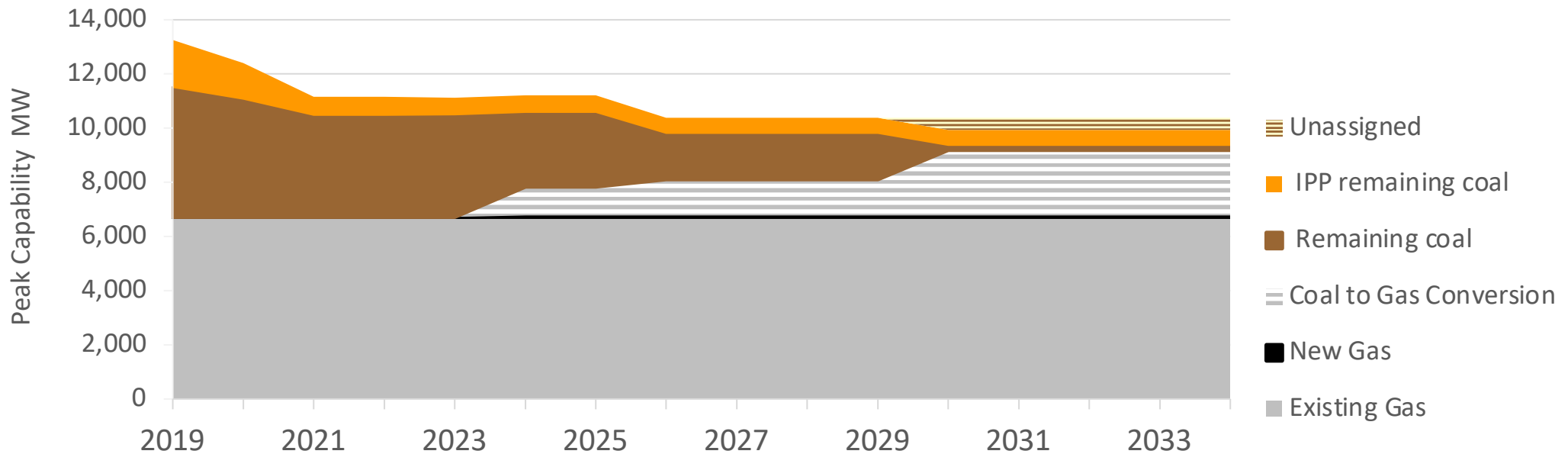
Northwest Utilities Generating Resources

- Acquisitions add up to approximately 4,700 MW (2020 to 2025)
- Standalone battery visible for the first time



Other renewable = hybrid renewable + battery, landfill gas, biogas
Other = cogen, small thermal

As coal declines, natural gas increases

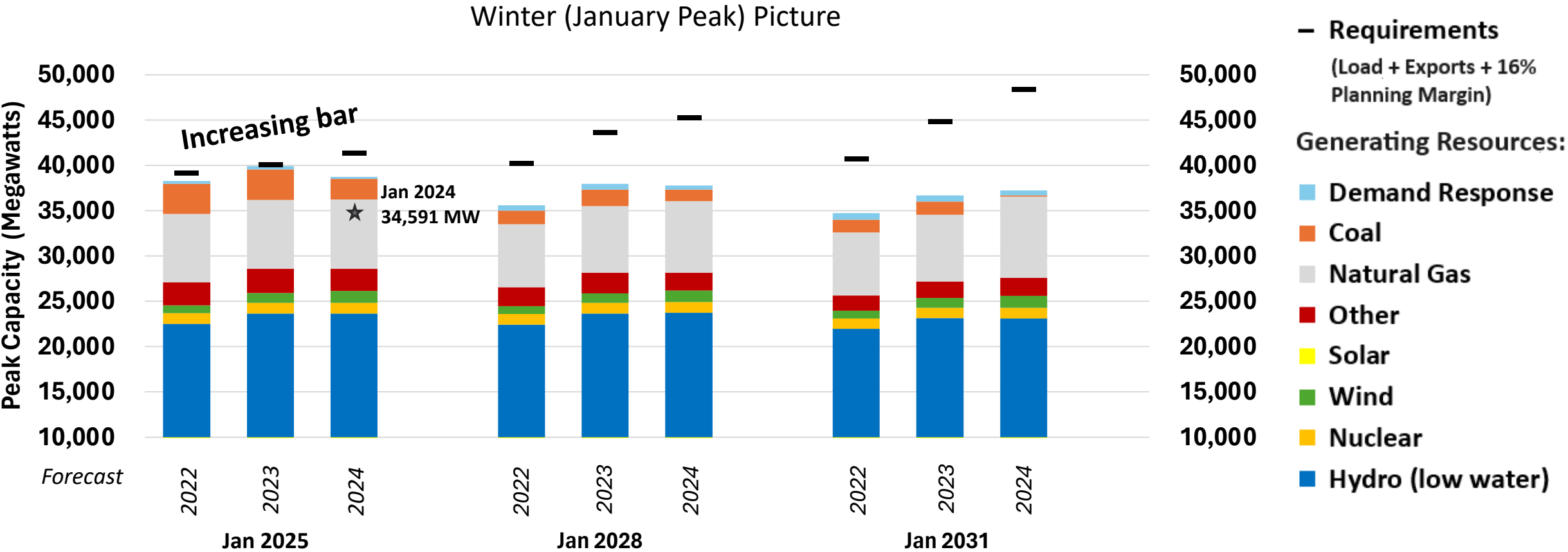


Colstrip 1 & 2 retired 2019
 Hardin retired 2019
 Valmy 1 exit 2019 & retire 2021
 Boardman retired 2020
 Centralia 1 retired 2020
Yellowstone Co. Gas Generating Station 2024

Jim Bridger 1 & 2 Gas Conversion 2024
 Centralia 2 retires 2026
 Colstrip 3&4 Utility exits 2026
Valmy 1 & 2 Gas Conversion 2026
 Colstrip 3&4 utility exits 2030
Jim Bridger 3&4 Gas Conversions 2030*

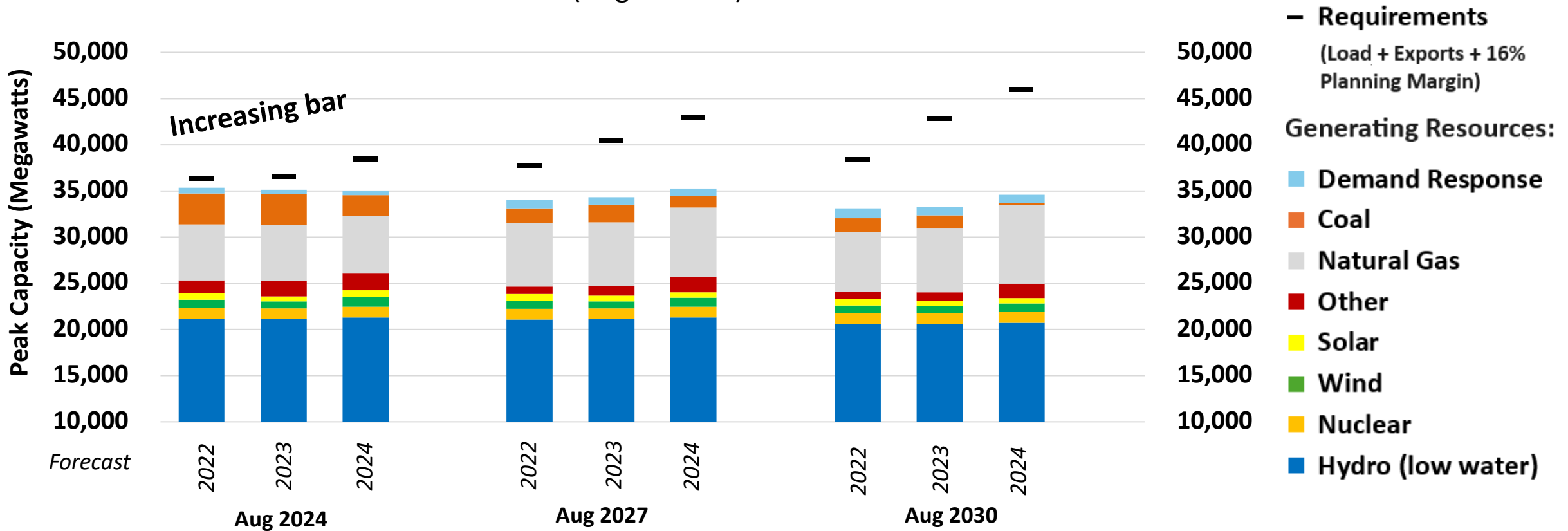
*PacifiCorp recently announced plans to retrofit Jim Bridger 3&4 with carbon capture technology by 2028 and continue operating them through 2039.


The bar for resources keeps moving higher - Winter picture



The bar for resources keeps moving higher - Summer picture

Summer (August Peak) Picture



A scenic landscape photograph of a river valley. In the foreground, several evergreen trees are visible. The river flows through the valley, and a suspension bridge spans across it in the distance. The background features snow-capped mountains under a clear sky. The sun is visible in the upper left corner, creating a lens flare effect.

The *Northwest Regional Forecast* can be found at pnucc.org

Thank you!

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