

The Evolving Grid Update on the State of BPA Transmission

House Interim Committee on Climate, Energy, and Environment

November 6, 2023



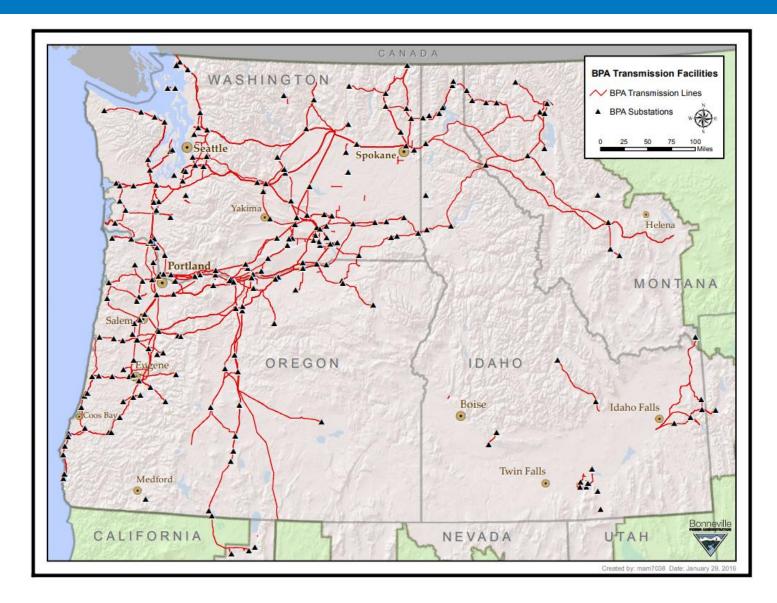
Introduction to Bonneville

- BPA markets power from 31 Federal hydro plants, the Columbia Generating Station Nuclear Plant, and several small non-Federal power plants [BPA owns no power generators]
- BPA receives no congressional appropriations. If we are spending money, we are earning it from selling power or transmission services.
- Over 80% of the power BPA sells is hydroelectric.
- BPA accounts for about 28% of the electric power consumed within the PNW (2019 Numbers).
- About 20% of BPA's marketed power goes to Oregon.
- BPA owns and operates 15,000 miles of transmission lines = 75% of PNW transmission.

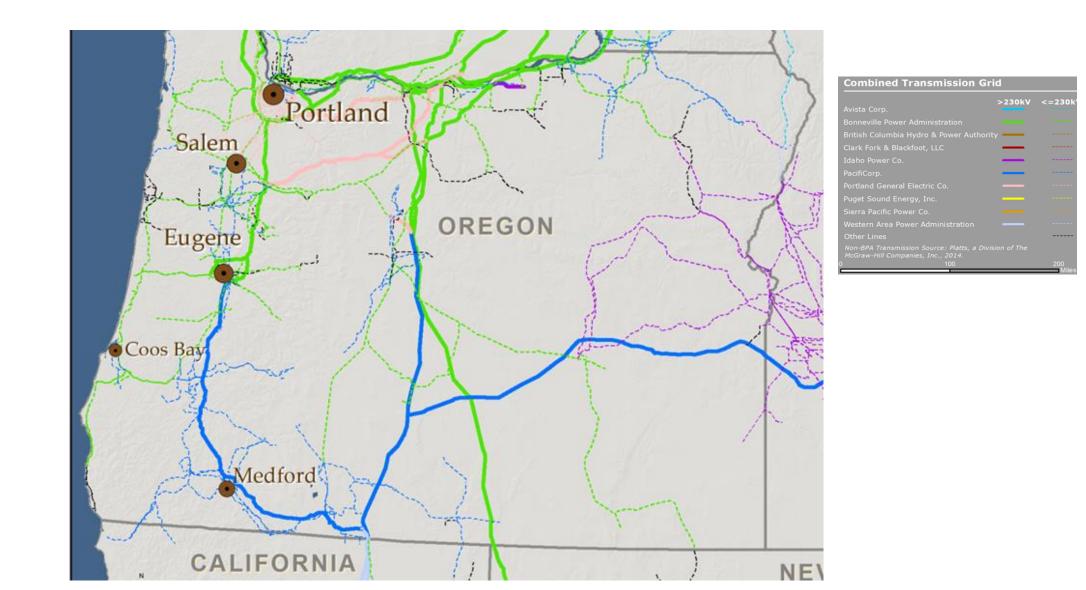
Federal Columbia River Power System Columbia River Basin & BPA Service Area



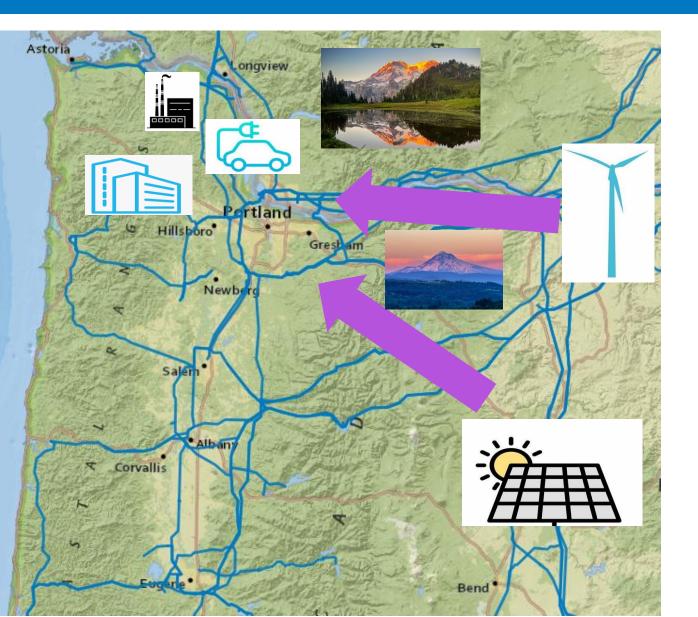
BPA Infrastructure



Oregon's Combined Transmission System



PNW Landscape



Drivers:

- Clean Energy Policies
- Electrification (transportation and buildings)
- Industrial load growth in Silicone Forest

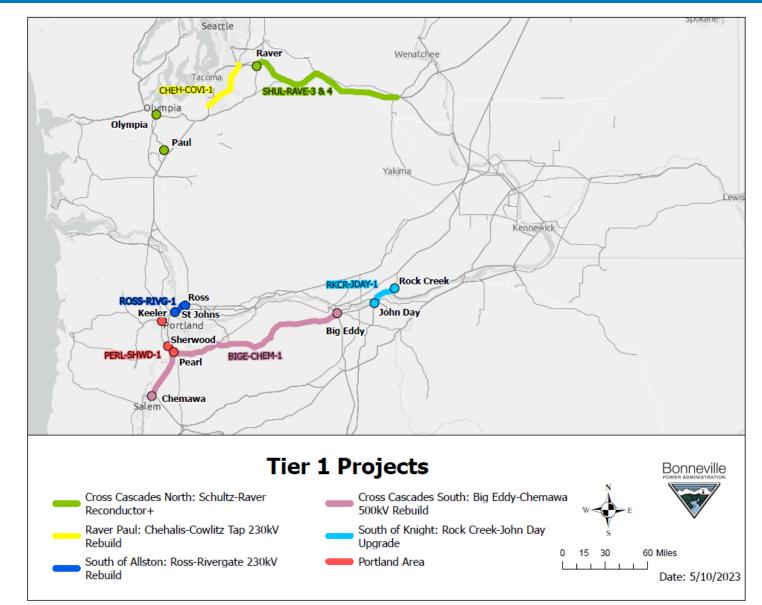


- Transmission to enable electric load growth (industrial and electrification)
- Transmission to deliver remote, clean resources to Load Centers
- Transmission to meet resiliency needs

Evolving Grid Projects

The following projects are needed in many future scenarios for reliability, expanded load service, and as renewable resources seek delivery to load:

* BPA has several Line and Load interconnections requests to enable economic development in the region. Additional projects will be required to enable these requests.



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Thank You

Ravi Aggarwal <u>rkaggarwal@bpa.gov</u>