

Data Centers: The Opportunity, The Risk, and The Reality

Puget Sound Energy

Eleanor Ewry

Manager, Transmission Strategy & Planning

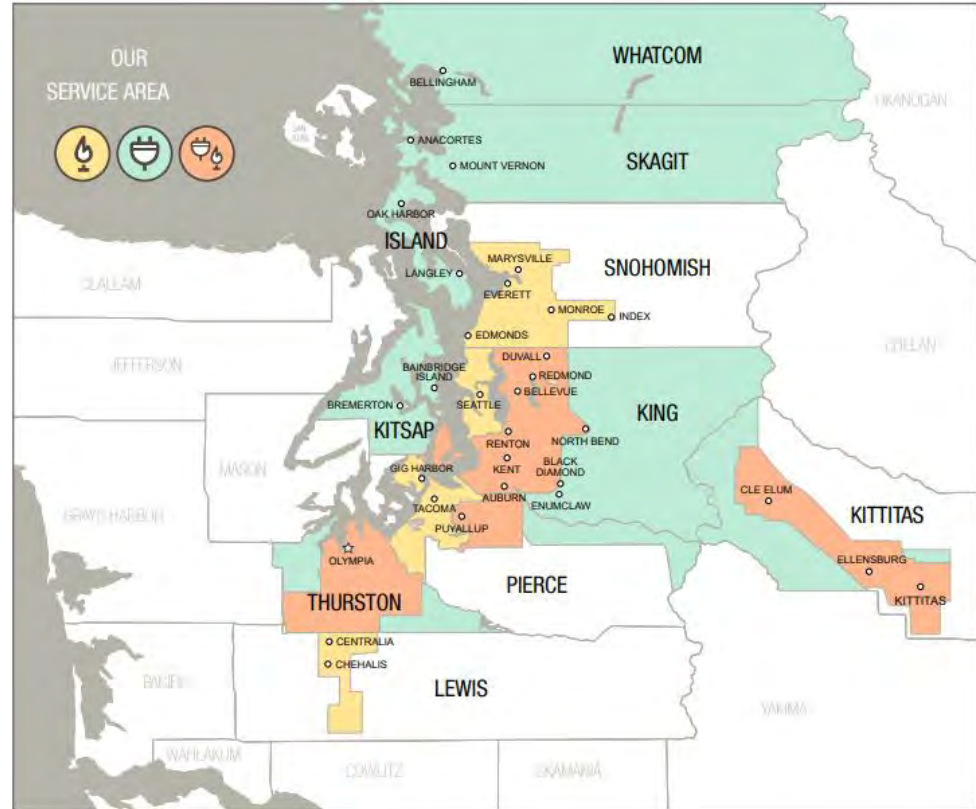
April 2, 2026



PSE is Washington's oldest and largest electric utility

PSE

- ◆ PSE serves approximately 1.26M electric customers and nearly 900,000 gas customers across 10 counties
 - ◇ 27,000 miles of electric transmission and distribution lines
 - ◇ Winter peaking utility with a peak load of about 5,000 MW
 - ◇ 7.89 GW of generating capacity (owned and contracted)
- ◆ Regulated at the state level by Washington Utilities and Transportation Commission (WUTC) and at the federal level by the Federal Energy Regulatory Commission (FERC)
- ◆ Highly interconnected with other public and federal utilities:
 - ◇ Bonneville Power Administration
 - ◇ Snohomish County PUD
 - ◇ Seattle City Light
 - ◇ Tacoma Power
 - ◇ Chelan County PUD
 - ◇ Grant County PUD



PSE has experienced a significant increase in transmission investment opportunities

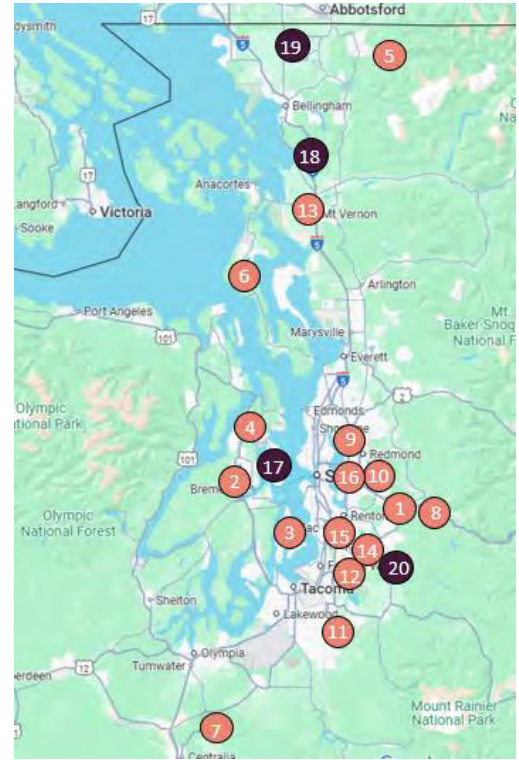


PSE's Generator Interconnection Queue

- ◆ PSE's 2023 Integrated Resource Plan identified the need to procure over 14 GW of resources to meet our clean energy goals
 - ◇ 2027 Integrated System Plan will likely see this number increase
- ◆ Generator Interconnection queue received over 1,400 MW of requests in the last cluster with significant Network Upgrades identified

Local System Planning

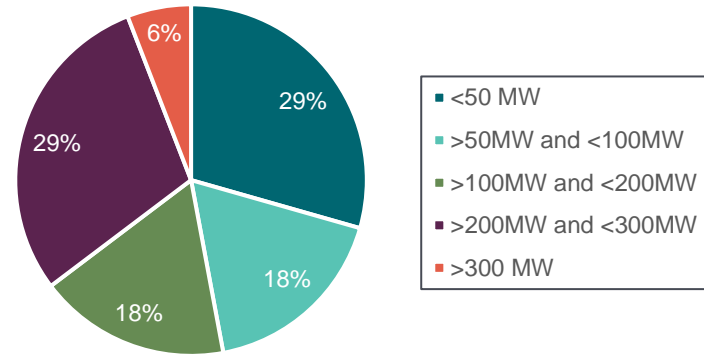
	Title
1	Transmission Resiliency – North Bend
2	West Sound Capacity and Reliability
3	Vashon Submarine Cable Replacement
4	Keyport Switching Station
5	East Whatcom Reliability
6	Whidbey Island Reliability
7	Thurston County Transmission Improvement
8	Cascade – White River 23 kV Reliability
9	Juanita – Moorlands 115 kV Rebuild/Reconductor
10	2= Richards Creek 230/115 kV Transformer
11	Alderton Area Transmission Improvements
12	White River – Krain Corner 55/115 kV Conversion
13	Sedro Woolley – March Point #4 115 kV Reconductor
14	White River – Covington Transmission Upgrade
15	Kent/Tukwila Reliability
16	Bellevue/Redmond Gateway
17	Bainbridge Island Reliability and Capacity (In Process)
18	Bellingham – Sedro #4 115 kV Rebuild (In Process)
19	Lynden Substation (In Process)
20	Electron Heights – Enumclaw 55/115 kV Conversion (In Process)



PSE has also seen increasing interest from large load developers in the last year

- ◆ In 2025, large load requests (>20 MW) equaled almost 50% of PSE's current peak load
 - ◇ Loads are spread across the service territory
 - ◇ Driven by data centers, tech campus development, manufacturing, and multi-family developments

2025 Large Load Requests



Key Challenges:

- Data center load can be speculative
- Load characteristics are not well defined
- Resource needs can be significant
- System upgrade costs can be significant
- Proactive planning can be a challenge

Key Considerations:

- Opportunities to partner with customers on load flexibility
- Potential for generation co-location
- Federal and state activities governing large loads

A new large load process is being developed to better manage large loads

