

**SNOHOMISH COUNTY PUBLIC UTILITY DISTRICT
BOARD OF COMMISSIONERS REGULAR MEETING
Everett Headquarters Building, 2320 California Street
Zoom Online Platform Option Available**

December 19, 2023

CONVENE REGULAR MEETING – 9:00 a.m. – Commission Meeting Room

Virtual Meeting Participation Information

Join Zoom Meeting:

- Use link
<https://us06web.zoom.us/j/89541328829?pwd=dST-htUzK9ThKcvWjwQrDEUiNN4uJA.vYXq65AXYLca4N5->
- Dial in: (253) 215-8782
- Meeting ID: 895 4132 8829
- Passcode: 930833

1. CEO/GENERAL MANAGER BRIEFING AND STUDY SESSION

- A. Updates
 - 1. [Legislative](#)
 - 2. Other
- B. [Connect Up Quarterly Update](#)
- C. [2024 Water Retail Rate Proposal](#)

RECONVENE REGULAR MEETING - 1:30 p.m. - Virtual Meeting Participation

2. COMMENTS FROM THE PUBLIC

Virtual Participation Information:

If you are attending the meeting virtually (using the link or number provided above) please indicate that you would like to speak by clicking “raise hand” and the Board President will call on attendees to speak at the appropriate time. If you are joining by phone, dial *9 to “raise hand.”

3. CONSENT AGENDA

- A. [Approval of Minutes for the Regular Meeting of December 5, 2023](#)
- B. [Bid Awards, Professional Services Contracts and Amendments](#)
- C. [Consideration of Certification/Ratification and Approval of District Checks and Vouchers](#)

Continued →

4. PUBLIC HEARING

- A. [Public Hearing on Proposed Amendments to the District's Rate Schedule 80, "Renewable Energy Credit Program"](#)

5. PUBLIC HEARING AND ACTION

- A. [Disposal of Surplus Property – 1st Quarter 2024](#)
B. [Consideration of a Resolution Ordering, Approving, Ratifying, and Confirming the Construction and Installation of the Plan or System of Additions to the District's Water Utility, as Adopted on November 21, 2023, and Applicable to the Local Utility District Hereinafter Described, Forming Local Utility District No. 66 of Snohomish County, Washington, and Confirming the Final Assessment Roll](#)
C. [Consideration of a Resolution Adopting the 2023 Integrated Resource Plan](#)

6. ITEMS FOR INDIVIDUAL CONSIDERATION

- A. [Consideration of a Resolution Adopting Two-Year Conservation Targets for 2024-2025 and a Ten-Year Conservation Potential Estimate for the District to Comply With Requirements of the Energy Independence Act](#)

7. [CEO/GENERAL MANAGER REPORT](#)

8. COMMISSION BUSINESS

- A. [Commission Reports](#)
B. [Commissioner Event Calendar](#)
C. [November 2023 District Performance Dashboard](#)

9. GOVERNANCE PLANNING

- A. [Adoption of the 2024 Governance Planning Calendar](#)

ADJOURNMENT

January 5, 2024:

Pacific Northwest Utilities Conference Committee (PNUCC) Meeting (Virtual)

The next scheduled regular meeting is January 9, 2024

Agendas can be found in their entirety on the Snohomish County Public Utility District No. 1 web page at www.snopud.com. For additional information contact the Commission Office at 425.783.8611.



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 1

TITLE

CEO/General Manager’s Briefing and Study Session

SUBMITTED FOR: Briefing and Study Session

CEO/General Manager _____	John Haarlow _____	8473 _____
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing: _____		
Estimated Expenditure: _____		Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Executive Limitations, EL-9, Communications and Support to the Board – the CEO/General Manager shall...marshal for the board as many...points of view, issues and options as needed for fully informed Board choices.

List Attachments:

CEO/General Manager’s Briefing and Study Session attachments

State Government Relations Activity Report

STATE OVERVIEW

- The Washington State Department of Ecology released its [Auction Summary Report](#) from the final quarterly allowance auction of the cap-and-invest program, which took place on December 6, 2023. The auction included the sale consignment of 3,699,891 by Washington utilities and 5,892,015 allowances offered by Ecology. Total proceeds from the final auction have not been released. The state has raised an estimated \$1.8 billion in 2023 from auction proceeds.
- Governor Inslee released his \$70.9 billion supplemental 2024 state budget on December 12. The proposal is Inslee's last spending blueprint as governor and includes an additional \$330 million in new operating budget dollars from the Climate Commitment Act climate fund. Among his largest climate-related requests is a \$150 million proposal for \$200 energy vouchers for low-income residents, and \$100 million proposal towards heat pump installation and retrofitting multi-family housing.
- The Washington State Wildland Fire Mitigation and Management Commission [released its report](#) outlining a comprehensive, consensus-based set of recommendations to Congress to address the nation's wildfire crisis. Next steps are in development, with an open session on the report planned for the first quarter of 2024.

KEY HEARINGS/PRESS CONFERENCES/MEETINGS

- Dec. 1 | Senate Environment, Energy & Technology [Committee Days Work Session](#)
- Dec. 4 | House Appropriations [update on the Climate Commitment Act](#)
- Dec. 5 | House Environment & Energy [Committee Days work session](#)

INTERESTING READS

- The Center Square (Washington) – [Signatures submitted for Washington initiative to repeal the state's 2021 Climate Commitment Act and prohibit carbon cap-and-trade programs](#)
- The Seattle Times – [WA adopts new rules to phase out fossil fuels in new construction](#)
- Washington State Standard – [Washington lawmakers begin to drop bills ahead of upcoming session](#)
- The Seattle Times – [Gov. Inslee proposes another \\$941 million for clean energy, climate action in WA](#)
- Washington State Standard – [The future of 'cap-and-trade' carbon markets could hinge on Washington state](#)
- Washington State Standard: [Inslee vows to assist families with energy costs, prevent gouging by oil firms](#)
- Capital Press: [Washington lawmakers propose big changes to cap-and-trade](#)

Federal Government Relations Activity Report

FEDERAL OVERVIEW

- On Nov. 29, Representatives Cathy McMorris Rodgers (WA-05), Dan Newhouse (WA-04), Cliff Bentz (OR-02), and Russ Fulcher (ID-01) sent a [letter to President Biden](#) requesting information on a “package of actions and commitments” the United States Government negotiated with plaintiffs, states, and tribes in ongoing litigation over Columbia River System Operations (CRSO). Attached to the letter was a document entitled, “U.S. Government Commitments in Support of the Columbia Basin Restoration Initiative and in Partnership with the Six Sovereigns.”
- On Dec. 12, the Committee on Natural Resources, Subcommittee on Water, Wildlife and Fisheries held an oversight [hearing](#) titled “*Left in the Dark: Examining the Biden Administration’s Efforts to Eliminate the Pacific Northwest’s Clean Energy Production.*” The hearing examined the commitments made by the U.S. Government in the “U.S. Government Commitments in Support of the Columbia River Basin Restoration Initiative and in Partnership with the Six Sovereigns” document. Witnesses for the hearing included Scott Simms (CEO & Executive Director, Public Power Council) and Humaira Falkenberg (Power Resources Manager, Pacific County PUD).
- On Dec. 14, an [agreement](#) was filed in federal district court in Oregon between the U.S. Government; the States of Washington and Oregon; the Nez Perce, Umatilla, Warm Springs, and Yakama Tribes; and environmental organizations that states the U.S. Government’s commitment “to restoration of the Lower Snake River, including dam breach,” and outlines numerous commitments to “restore wild salmon populations, expand Tribally sponsored clean energy production, and provide stability for communities that depend on the Columbia River System for agriculture, energy, recreation, and transportation.”
- Snohomish County PUD joined the National Energy & Utility Affordability Coalition on a [letter](#) urging Congress to support Fiscal Year 2025 funding for LIHEAP, the premier federal program for fighting energy poverty.
- The Biden administration released its fall [2023 regulatory agenda](#) which noted that the Department of Energy is planning to finalize its proposed conservation standard for distribution transformers by April 2024. That rule would require certain transformers to have amorphous steel cores instead of the current standard that requires grain-oriented electrical steel. The anticipated action comes despite repeated warnings from utilities and other stakeholders that a requirement to change to amorphous steel cores in distribution transformers would exacerbate existing supply chain challenges.
- In the [inaugural convening](#) of a new White House Council on Supply Chain Resilience, President Biden unveiled more than 30 new actions to strengthen America’s supply chains. Of note, there was no mention of distribution transformer supply chain challenges.

KEY HEARINGS

- Nov. 29 | House Energy & Commerce Committee’s Subcommittee [hearing](#) on Environment, Manufacturing & Critical Minerals titled, “America Leads the Way: Our History as the Global Leader Reducing Emissions.”
- Nov. 30 | Senate Energy and Natural Resources Committee [hearing](#) on the opportunities and challenges for advanced nuclear reactor commercialization.

INTERESTING READS

- Clearing Up: [Mediation Agreement Over Columbia Operations Leaked](#)
- Seattle Times: [Biden administration promises \\$1 billion more for salmon, clean energy – but punts on Lower Snake River dam removal in major agreement](#)
- Clearing Up: [Filing: Idaho Claims Court Can't Order Breaching of LSRDs](#)
- Clearing Up: [Upper Snake River Tribes Seek ‘Equity’ in Salmon Recovery Promises](#)
- Capital Press: [West Coast tells FERC to heed our climate laws](#)
- Bloomberg Government: [House Retirements Trigger Brain Drain, Competition for Top Spots](#)

- Politico: [Congress got its Christmas break — and will suffer for it in January](#)
- Bloomberg Government: [What to Know in Washington: Johnson Sends Funding Deal to Senate](#)
- Politico: [Murray: Johnson’s funding fallback would be ‘absolutely devastating’](#)
- Seattle Times: [Congress departs without deal on Ukraine aid and border security, but Senate plans to work next week](#)
- E&E News: [Biden regulatory plan set to shake up energy sector](#)

Local Government Relations Activity Report

LOCAL OVERVIEW

- The Everett City Council authorized the mayor to sign the annual [Municipal Attachment License Agreement](#), otherwise known as a pole attachment license agreement, with the PUD.
- The Snohomish County Council passed an ordinance adopting amendments regulating accessory dwelling units (ADUs) outside of urban growth areas in response to a decision by the Growth Management Hearings Board. [Ordinance 23-133](#) brings ADUs into compliance with substandard lots in rural zones.
- The Snohomish County Council approved a budget transfer in the amount of \$1,088,000 from the Human Services Pending Grant Expenditure to the county [Energy Assistance Program](#). This allows for operations at planned levels for the 2023 fiscal year, as well as an increase in a LIHEAP program contract through the Department of Commerce earlier in the year.
- The Port of Everett Commission received a [boundary expansion briefing](#) from the port executive director.

INTERESTING READS

- Everett Herald: [Eco-nomics Snohomish PUD turning on a light on climate success](#)
- Everett Herald: [Sandbags, flood-resistant floors are price of riverside life in Sultan](#)
- Everett Herald: [\\$130M plan for affordable housing approved by Snohomish County Council](#)
- Lynnwood Times: [Sound Transit CEO Julie Timm announces departure from agency](#)
- Everett Herald: [Marysville could get \\$250,000 in federal money for flood mitigation](#)
- Everett Herald: [Everett’s new budget trims \\$104M, with deficit still looming](#)
- Everett Herald: [Farmland, salmon habitat find delicate balance in county program](#)

Connect Up Program

Commission Quarterly Update

Kevin Lavering – Program Manager

Tim Epp – Program Manager

December 19, 2023

Last Update – September 05, 2023



Connect Up Program Quarterly Update

Purpose of Presentation

- Provide the Commission a progress update of the program

Expectations of the Board

- Remain updated on recent program activities and next steps



Agenda

- Meter Delivery and Forecast Update
- Program Schedule and Budget Review
- Deployment Phase Progress Report
 - Meter Deployment
 - AMI Base Station Network Deployment
 - Hypercare Transition
 - Communications & Customer Interactions
 - Installation Feedback Survey: Results
- Next Steps



Meter Delivery and Forecast Update

Sensus Executive meeting on 10/23

- Root Cause of slower Electric Meter delivery
 - Production yield significantly lower than originally planned
 - Communication failure in setting realistic expectations with customers
- Mitigation steps
 - Sensus
 - Investment made to build 3rd manufacturing line for DT-96, with plans to be operational by Q2 2024
 - Additional investments focusing on improvement and automation of existing 2 manufacturing lines
 - District
 - Reviewing opportunity for DT-121s (new meter) to supplement DT-96 (existing meter) deliveries in 2025 and 2026



Meter Delivery and Forecast Update

Updated Sensus Electric Meter Forecast

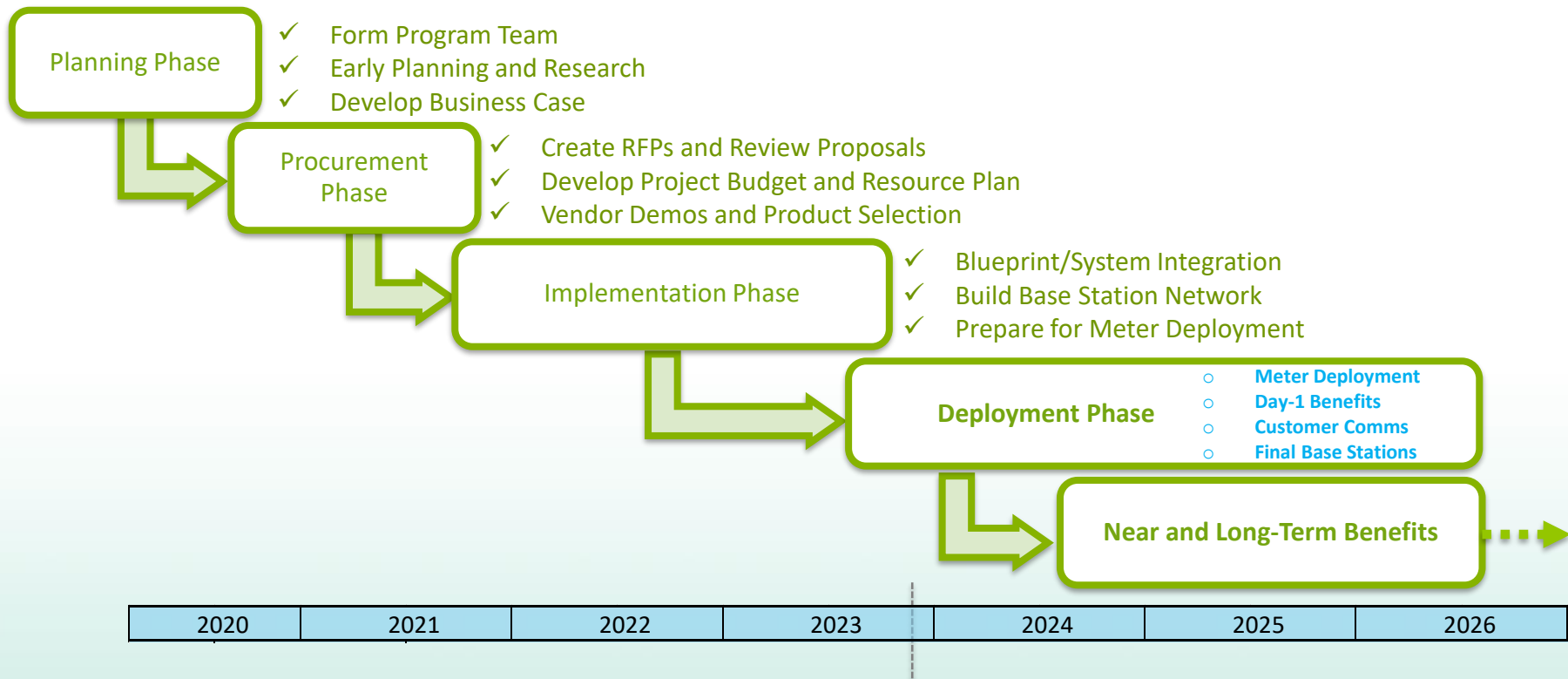
- Deliver an average of ~ 8.5k meters/month through end of 2024
- Sensus forecasts delivery of all electric meters through the end of Q2 2026
 - 2024 = ~100k electric meters
 - 2025 = ~180k electric meters
 - 2026 = ~115k electric meters
- Installations planned to be completed Q3 2026

Sensus Water Meter Forecast

- On schedule
- Sensus forecasts delivery of all water meters through the end of Q4 2025
 - 2024 = 6,300
 - 2025 = 12,000
- Installations planned to be completed Q1 2026



High Level Schedule



Program Budget

Original Budget (Commission Approved 01/2021)	\$93.211M
Projected Cost Through End of 2026	\$91.136M
Over (Under)	(\$1.652M)



Deployment Phase Progress



Meter Deployment



AMI Communications Network Deployment



Communicate AMI Benefits and Plans to Internal and External Stakeholders



Delivering and Planning New Benefits





Deployment Phase

Recent Accomplishments

- Received 14,188 electric meters and 5,573/3,685 water meters/modules to date
- Focusing on Bothell/Mill Creek (Electric) and Lake Stevens (Water)

Upcoming Activities

- Current plan is to ramp up to ~10 Electric Meter Technicians during 2024
- End of Q1 2024 – Review potential of adding the new DT-121 electric meter to our plan and forecast

Meter Deployment

Connect Up Meters Installed

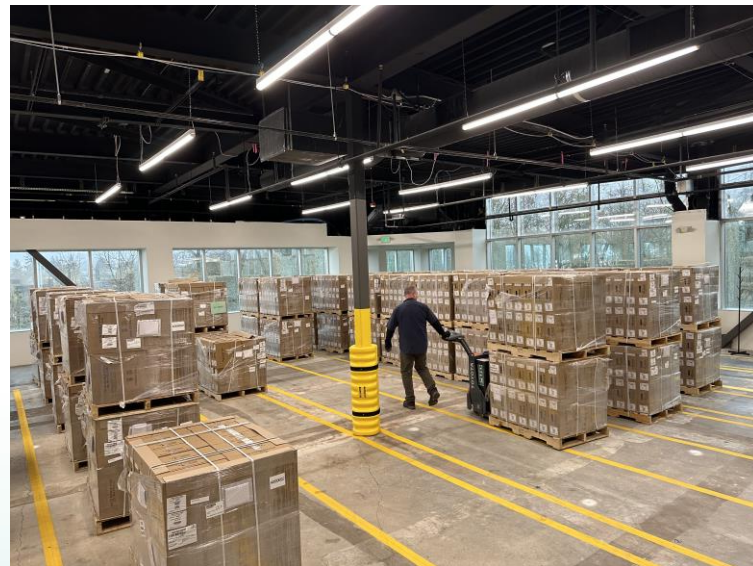


Risks and Challenges

- Meter supply chain – Continue to work with Sensus on the delivery of sustainable quantities of meters. Project schedule experiencing slower ramp up of electric meter deliveries, which are now planned through Q3 2026
- Potential inflationary pressures on Meter Exchanger costs



Inventory



Increased Meter Inventory for Water and Electric





Deployment Phase

Recent Accomplishments

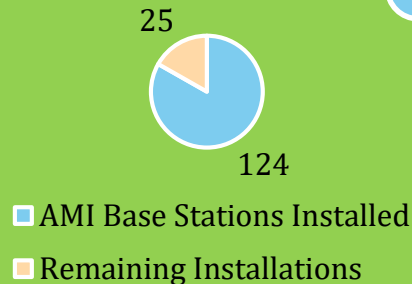
- 124 Base stations installed out of 149 (83%)
- Installed first R100 "mini base station" at end of line north of Darrington.
- Permits issued for 10 sites in Everett

Upcoming Activities

- Construction: Continue base station installations through Q2 2024

AMI Base Station Network Deployment

AMI Base Station Installations



Risks and Challenges

- Continuing discussions with the City of Edmonds. Current permit applications are on hold



Hypercare Transition

- Hypercare Support:
 - Post-implementation software support phase.
 - Retain key business & technical resources to address issues quickly.
 - Transition from implementation vendor to District support.
- Team is confident in the stability of our software systems.
- Transition from Hypercare to Standard Support.
- Does this mean we have resolved all defects?
- Prepare for 2024 upgrades.



Communications & Customer Interactions

- Design Apartment Notices
 - No knocking on every door
- Ongoing Activities
 - Deployment communications (3-month letter, 14-day postcard, 3-day email)
 - Monitor customer calls and emails
 - Monitor opt out rate: 0.26%
 - Installation Feedback Survey
 - Post installation postcard and video



Installation Feedback Survey: Results

- Connect Up Installation Survey
 - 58 complete responses (90 total) out of 4,500 meters exchanged
- Results
 - **I felt prepared for the installation:** 70% agree or strongly agree
 - **How familiar are you with Connect Up:** 63% aware, familiar or very familiar
 - **How satisfied w/ installation process (10 = most satisfied):** 86% 7 or greater with 68% scoring it 10
 - **Installer could answer all questions:** 80% answered Yes
 - **Inconvenience level (10 = least inconvenience):** 82% 7 or greater with 47% scoring it 10
 - **What benefits are you most looking forward to? Choose up to 3**
 - More detailed usage info
 - No more bill estimates
 - Leak detection
 - **How excited are you about usage info on MySnoPUD?** 53% somewhat or very excited



Next Steps

- Next Commission Quarterly Update March 2024
- Other Program Next Steps Include:
 - Review feasibility of adding the DT-121 meter to the electric deployment plan
 - Continue to receive regular meter delivery forecasts from Sensus and progress of manufacturing expansion/improvements
 - Complete installation of the Base Station network Q2 2024
 - Continue General Meter Deployment through 2026
 - Start Onboarding Electric Meter Exchangers Q1 2024



Questions?





2024 Water Retail Rate Proposal

December 19, 2023

Presented by:

Christina Arndt – Manager, Water Utility Business Services

Brant Wood – Assistant General Manager, Water Utility

Brooke Tacia – Project Manager, FCS Group

Last Discussed: January 10, 2023

Overview

Purpose

- Brief the Board on the proposed 2024 Water Retail Rates

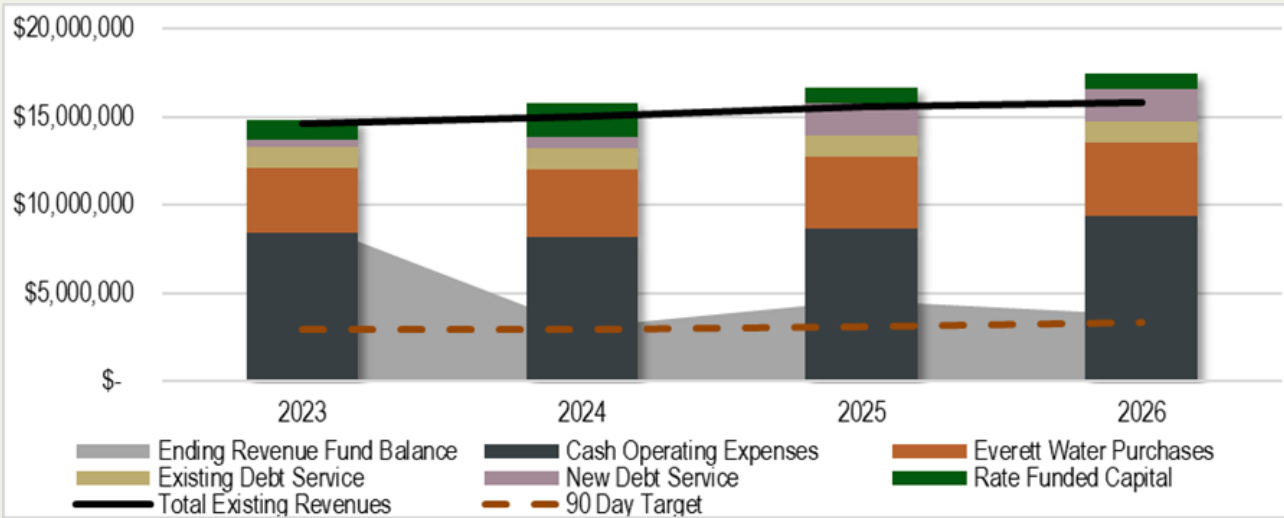
Board Action Items

- No action today
- Public Hearing and Action in January 2024

Discussion Outline

- Background
- Drivers impacting water rates
- Summary of findings
 - Revenue requirement
 - Cost of Service Analysis (COSA)
 - Rate design
- Water retail rate recommendation

January 2023 Revenue & Rate Projection

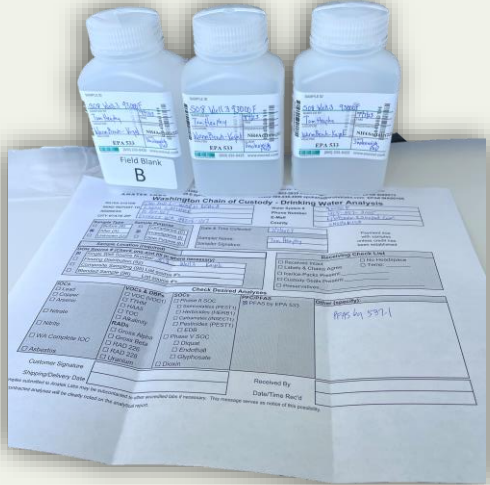


Recommended Scenario	Existing	Proposed	Forecasted		
		2023	2024	2025	2026
Everett Pass-Through		2.40%	2.40%	0.75%	0.75%
PUD Rate Component		0.35%	0.60%	2.25%	2.50%
Proposed Increases		2.75%	3.00%	3.00%	3.25%
Sample Residential Monthly Bill	\$ 48.32	\$ 49.65	\$ 51.14	\$ 52.67	\$ 54.38
\$ Difference		\$ 1.33	\$ 1.49	\$ 1.53	\$ 1.71

Note: Assumes 5/8" meter and 7 ccf monthly

Class	COSA Phase In			Across the Board
	2023	2024	2025	2026
Single Family	2.55%	2.80%	2.80%	3.25%
Multi-Family	4.75%	5.00%	5.00%	3.25%
Commercial	4.75%	5.00%	5.00%	3.25%
Overall Rate Increase	2.75%	3.00%	3.00%	3.25%

Main Drivers Impacting Water Rates



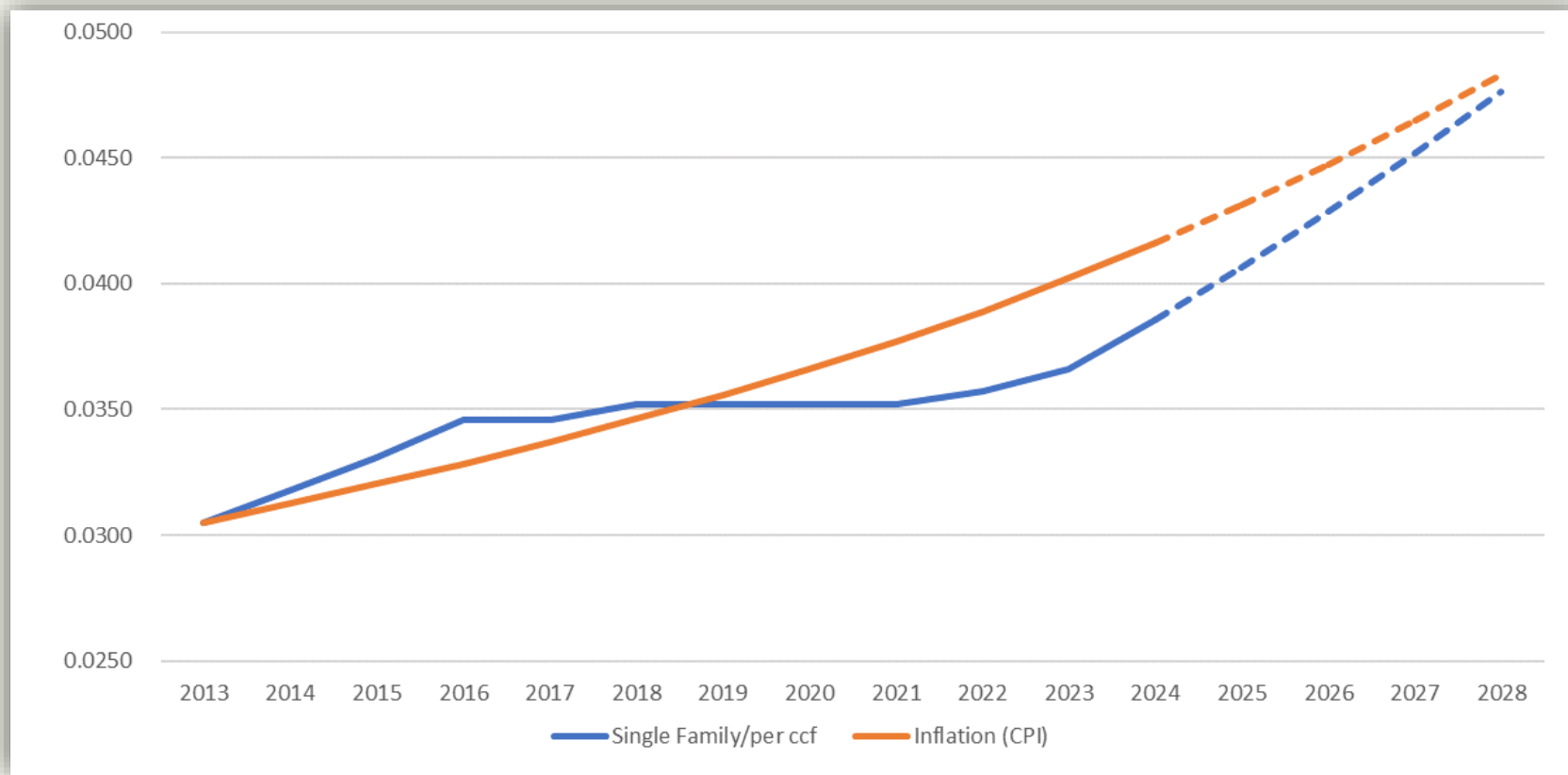
Changes Included in Review of Rates

- Updated 2023 forecasted revenues and expenses to year end projections
 - Resulted in a \$1.5M fund balance increase
- Changes to forecast assumptions – Adds \$1.3M to annual expenses
 - Everett commodity charge increase & increase in purchased water
 - 7.90% in 2023
 - 8.10% in 2024
 - Labor cost inflation increase (previously 3% per year)
 - 3.90% in 2023
 - 5.00% in 2024-2026
 - Compensation restructure

Drivers Impacting Water Rates

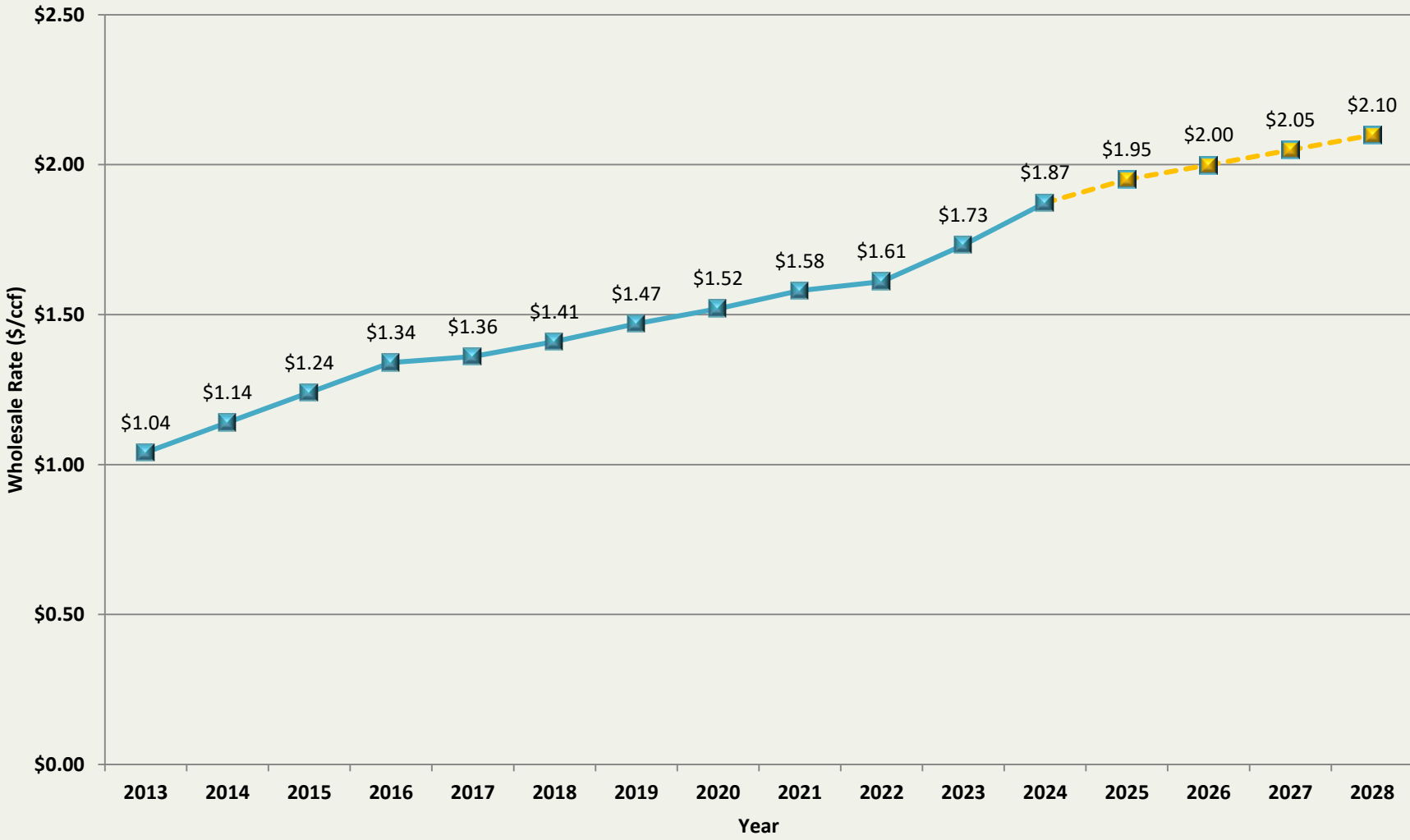
- Continued increase in purchased water rates from City of Everett
- Supply chain issues driving increased costs
- Continued emphasis on the main replacement program
- Monthly meter reading (TruCheck)
- Labor cost increases (including shared services)
- Continued increase in administrative costs shared with Electric
- Proposing to enhance Water fiscal policy targets
 - Moody's noted a credit challenge: "Somewhat weak reserve requirement"
 - Moody's noted a factor that could lead to a downgrade: "Decline in debt service coverage and liquidity"

Water Rates vs. Historical Inflation

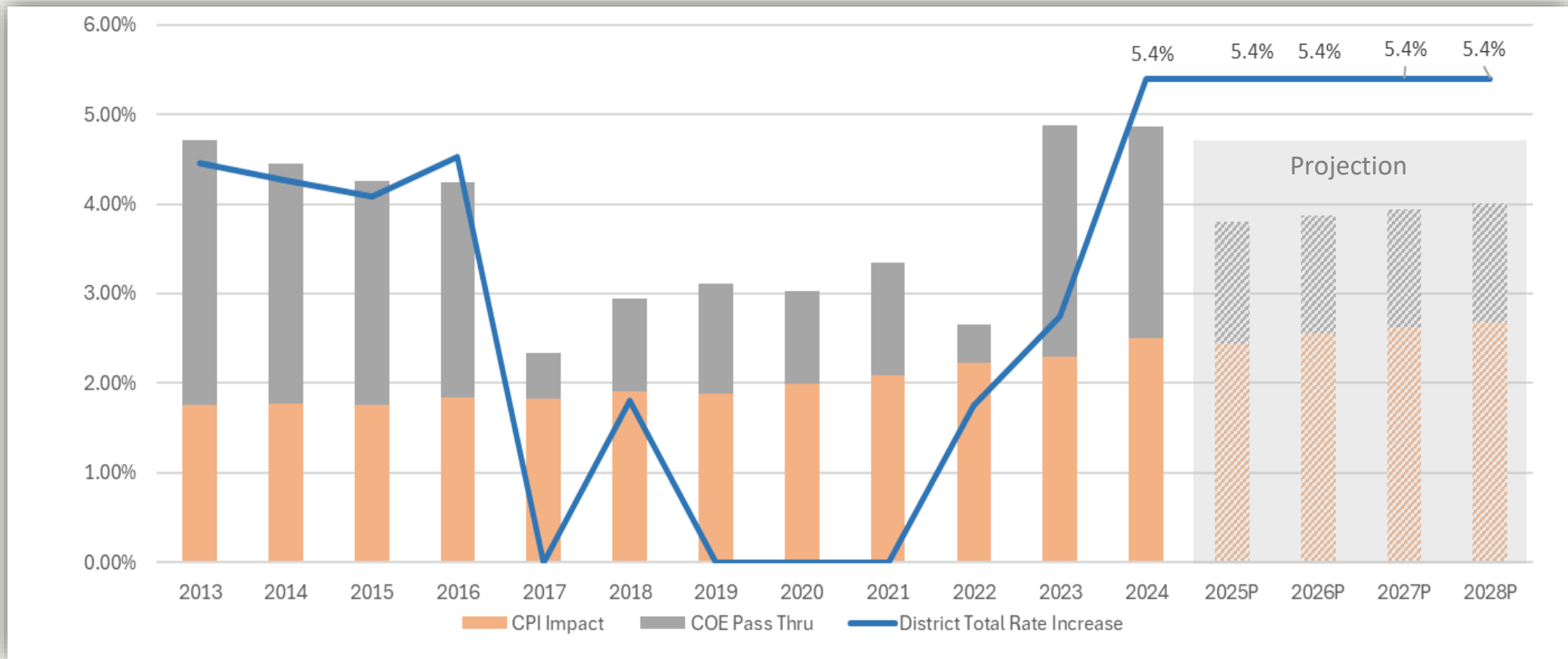


- Assumptions:
 - 5.4% overall rate increases projected from 2024-2028
 - 3.7% average inflation assumed from 2024-2028

City of Everett Wholesale Rate (\$/ccf)



Water Rates vs. Historical Everett Increases



- 2017-2023 PUD increases below expense growth

Aging Water Main Replacement

Since 2008, we have replaced 20.5 miles of aging water mains at a cost of \$28.6 million

Budgeted and on track to replace another 3,100 feet of aging water main in 2024 at an estimated cost of \$946k

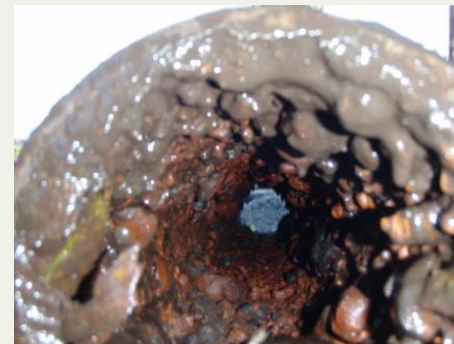
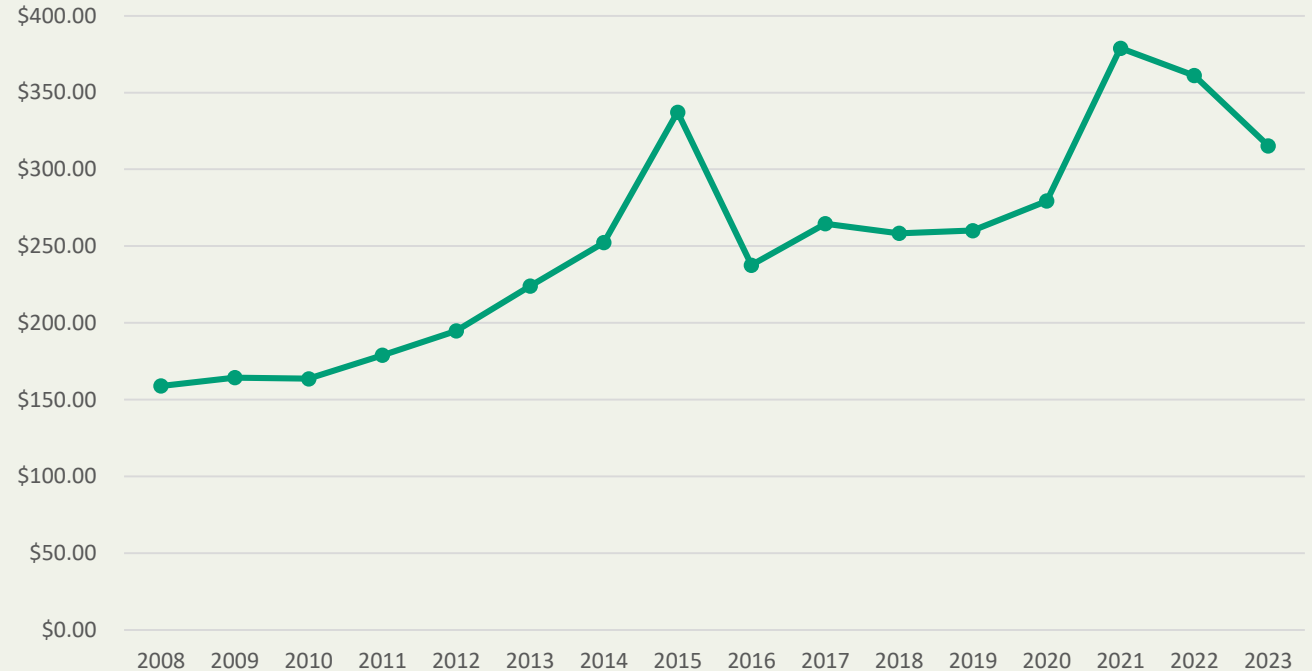
Approximately 66% of all aging water mains in our system have been replaced by PUD since 2008

Approximately 15 miles of aging water mains still in need of replacement

Anticipate all aging Asbestos Cement (AC), Steel, and Galvanized Iron water mains replaced by 2031

Since 2008, we've seen a steady increase in the cost of replacement projects

Cost/ft of 8" DI Main Replacement Projects since 2008



Lake Stevens (LS) Well

LS Well Treatment Plant was completed in September 2012 at a cost of \$1.4M

Since startup, the wells have produced and treated 3.5 billion gallons for distribution into our system or approximately 18.3% of our total Lake Stevens system needs

To date the use of the LS wells has saved the District approximately \$6.45M in purchased water costs

Water meets all State and Federal water quality standards

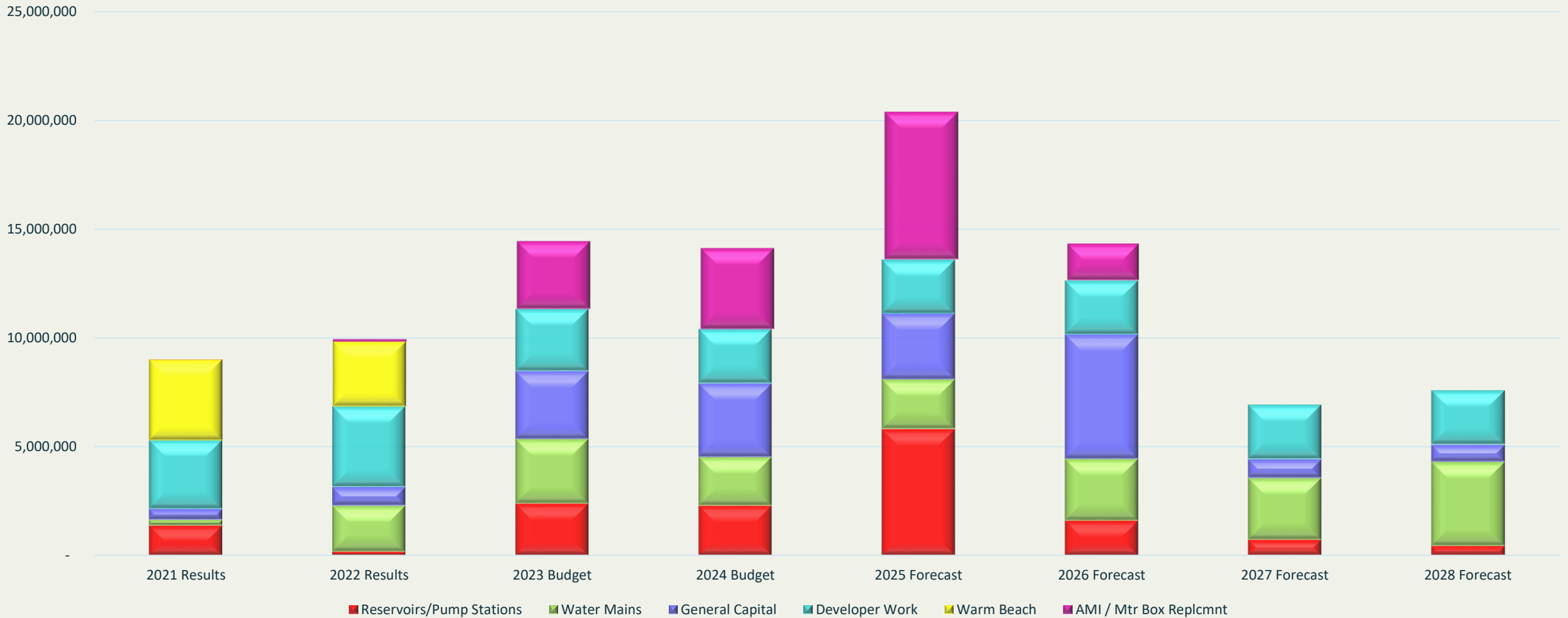
Budgeted in 2024 for a corrosion control optimization capital project



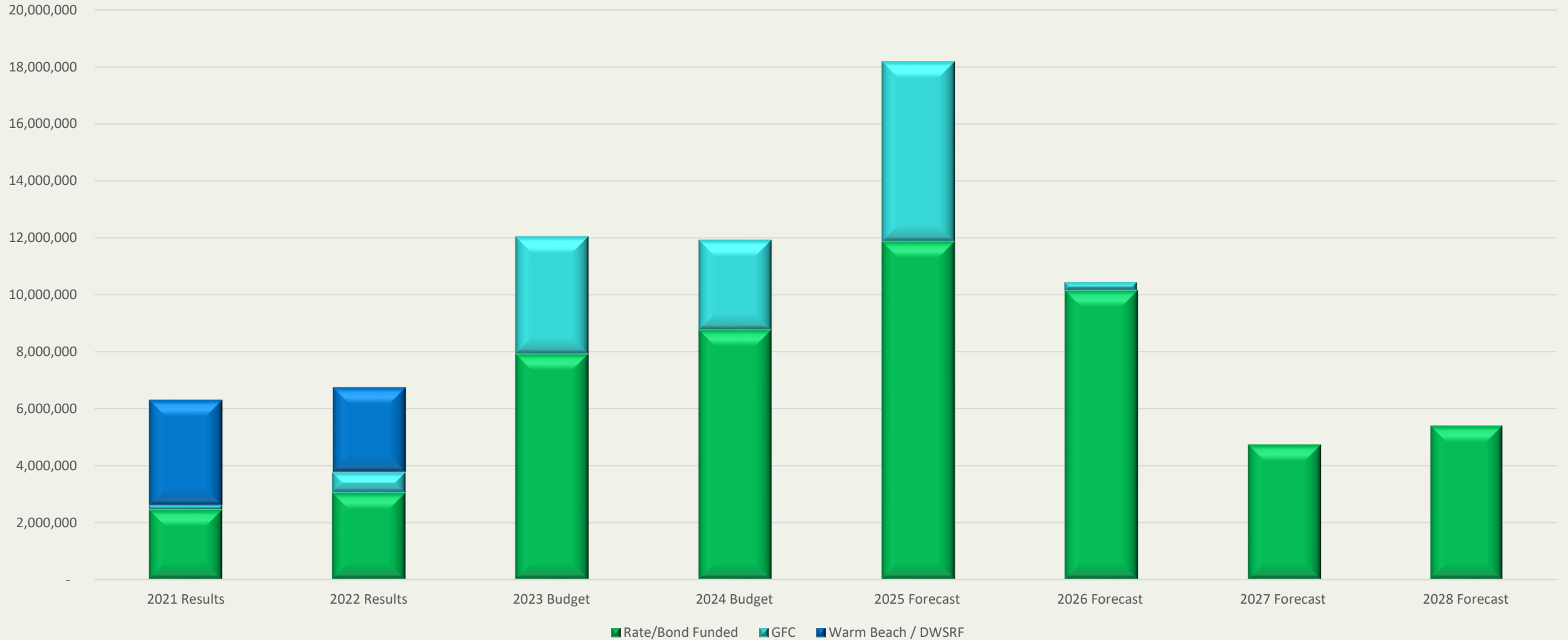
Administrative Costs Shared with Electric



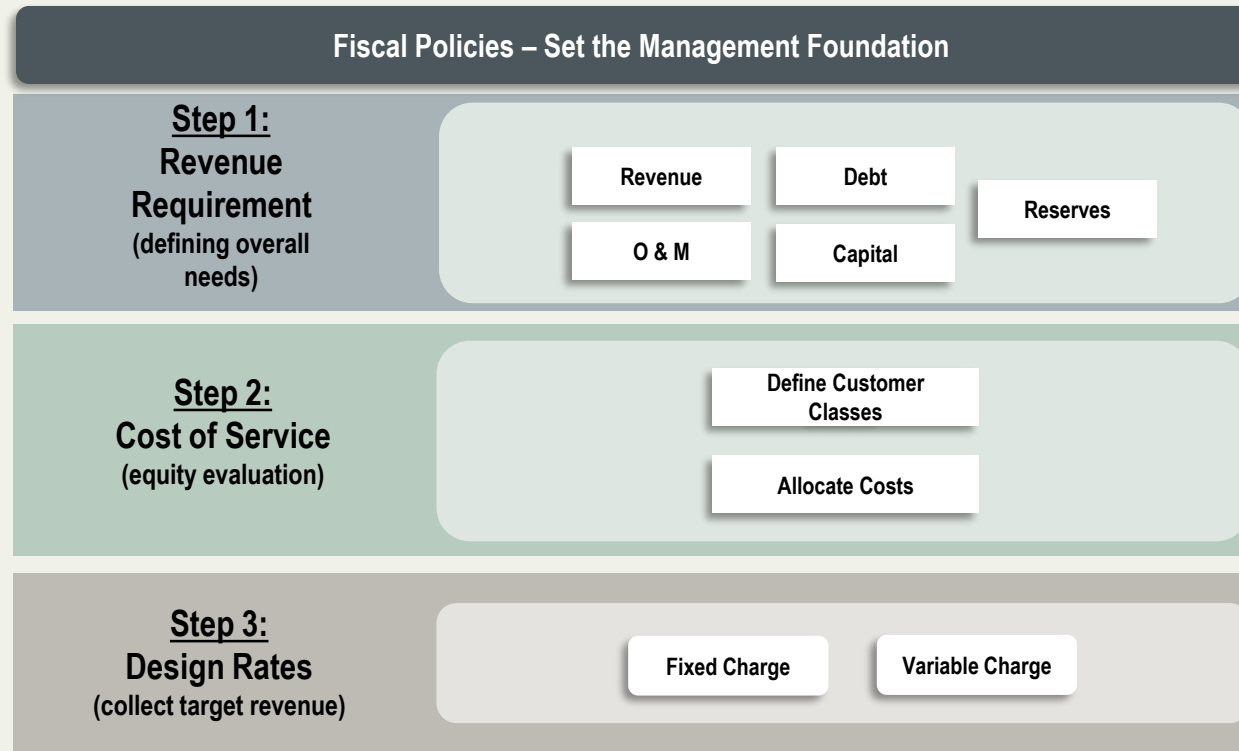
Water System Capital



Capital Funding (Excluding Donated Plant)



Overview of Rate Setting Process



Rate Strategy Guidelines

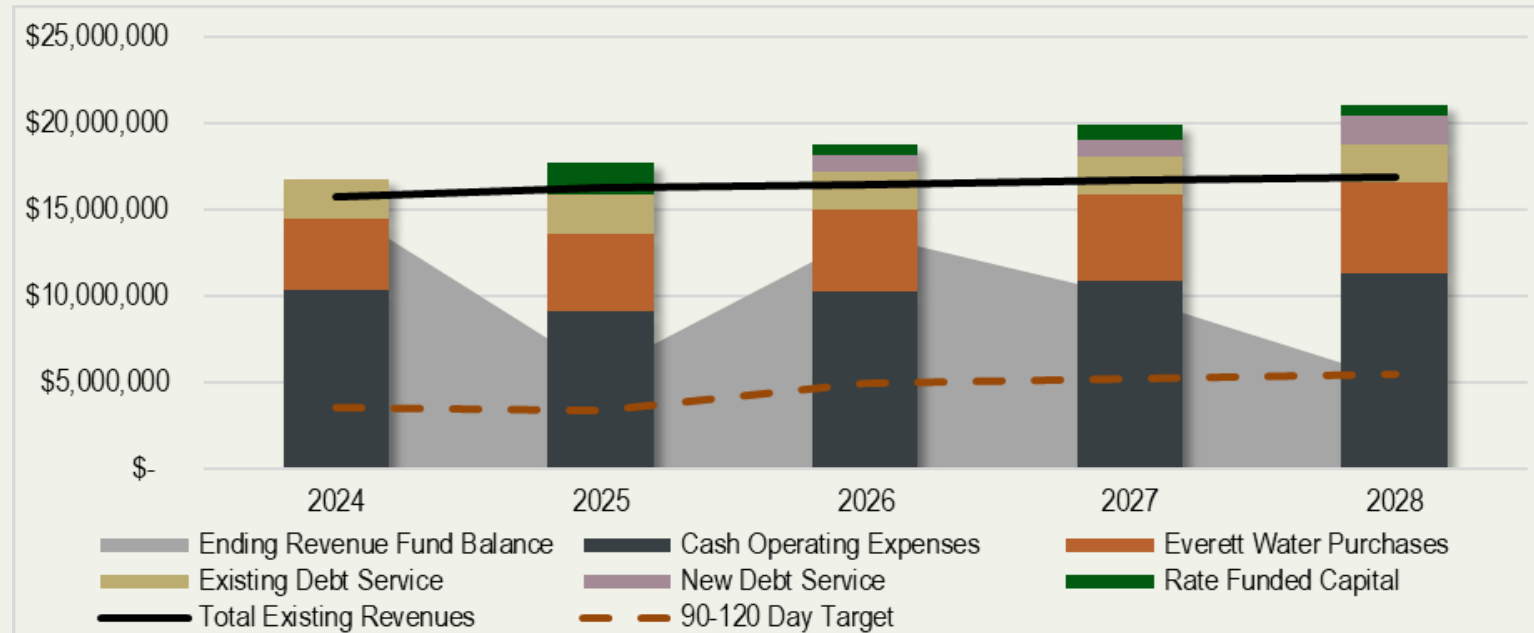
Description	2024	2025	2026	2027	2028
General Cost Inflation	2.3%	2.3%	2.3%	2.3%	2.3%
Construction Cost Escalation	2.8%	2.8%	2.8%	2.8%	2.8%
Labor Inflation	5.0%	5.0%	5.0%	3.0%	3.0%
Customer Growth	1.51% (450 new units)	1.51% (450 new units)	1.31% (400 new units)	1.31% (400 new units)	1.31% (400 new units)
Debt Issuance	\$-	\$-	\$17.8M	\$-	\$-
Days Cash on Hand Min Target	90	90	120	120	120
Debt Service Coverage Min	1.75	1.75	1.75	1.75	1.75

Rate Strategy Forecast

Description	2024	2025	2026	2027	2028
General Rate Increase	3.00%	4.04%	4.10%	4.10%	4.08%
Everett Water Purchase Pass-through	2.40%	1.36%	1.30%	1.30%	1.32%
Total Combined Rate Increase	5.40%	5.40%	5.40%	5.40%	5.40%

- 2025-2028 shows rate increase projections
- Increases are reviewed annually and will include updates to:
 - Revenue generation
 - Expense trending
 - City of Everett increases
 - Capital execution rates

Revenue Requirement & Rate Scenario



Recommended Scenario	Existing	Proposed	Forecasted			
		2024	2025	2026	2027	2028
<i>Everett Pass-Through</i>		2.40%	1.36%	1.30%	1.30%	1.32%
<i>PUD Rate Component</i>		3.00%	4.04%	4.10%	4.10%	4.08%
Proposed Increases		5.40%	5.40%	5.40%	5.40%	5.40%
Sample Residential Monthly Bill	\$ 49.54	\$ 52.22	\$ 55.03	\$ 58.01	\$ 61.14	\$ 64.44
\$ Difference		\$ 2.68	\$ 2.82	\$ 2.97	\$ 3.13	\$ 3.30

Note: Assumes 5/8" meter and 7 ccf monthly

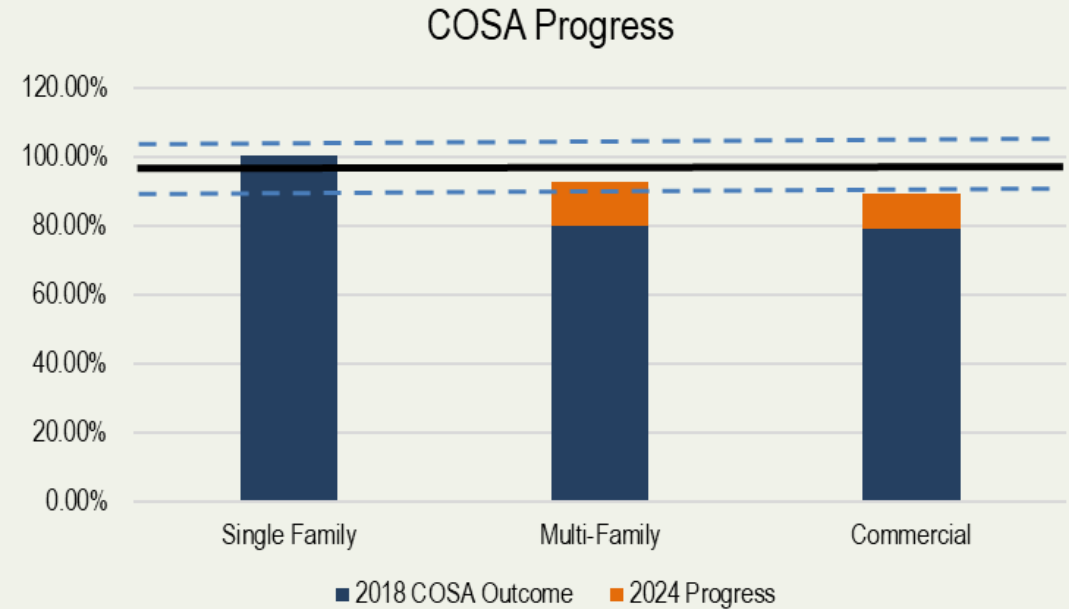
March 2024 Water Retail Rate Recommendation

- Continue progressing multi-family and commercial classes towards cost of service
 - Phasing in rate increases brings multi-family and commercial classes closer to their cost of service revenue targets
- Recommend an overall rate increase of 5.4% with a COSA phase-in

Class	2024 Increase
Residential	5.26%
Multi Family	6.75%
Commercial	6.75%
System Average	5.40%

Cost of Service Phase-in

- Progress has been made since the initial 2018 adjustments
- Going forward we plan to:
 - Update Customer statistics again in 2024 to continue to review demand patterns
 - Review the need for continued phase-in after a statistics update



Class	COSA Phase In		Across the Board		
	2024	2025	2026	2027	2028
Single Family	5.26%	5.40%	5.40%	5.40%	5.40%
Multi-Family	6.75%	5.40%	5.40%	5.40%	5.40%
Commercial	6.75%	5.40%	5.40%	5.40%	5.40%
Overall Rate Increase	5.40%	5.40%	5.40%	5.40%	5.40%

Cost of Service Phase-in

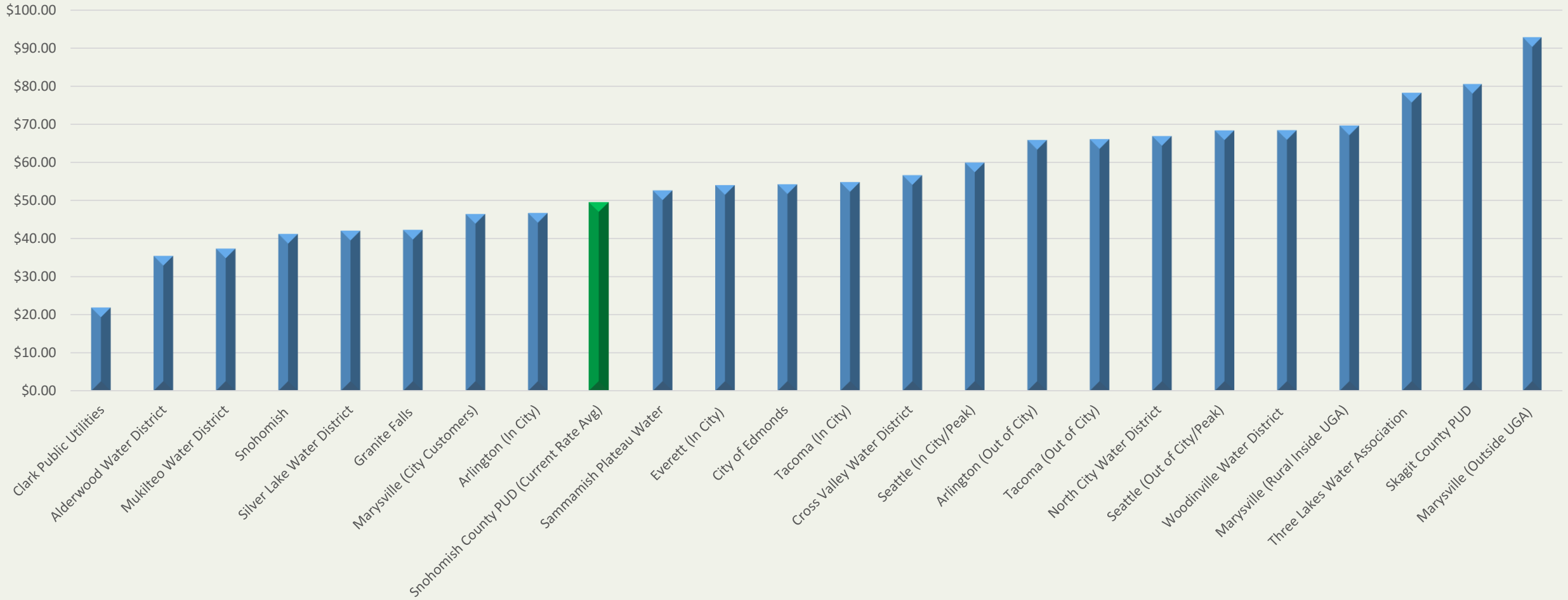
Description	Existing Rates	Proposed Rates 2024	Forecasted Rates			
			2025	2026	2027	2028
Single Family Residential						
Monthly Customer Charge	\$ 23.92	\$ 25.18	\$ 26.54	\$ 27.97	\$ 29.48	\$ 31.07
Commodity Rate (per 100 cu ft)	\$ 3.66	\$ 3.85	\$ 4.06	\$ 4.28	\$ 4.51	\$ 4.75
Multi Family Residential						
Monthly Customer Charge	\$ 25.15	\$ 26.85	\$ 28.30	\$ 29.83	\$ 31.44	\$ 33.14
Commodity Rate (per 100 cu ft)	\$ 3.63	\$ 3.88	\$ 4.09	\$ 4.31	\$ 4.54	\$ 4.79
Commercial / Industrial						
Monthly Customer Charge	\$ 54.66	\$ 58.35	\$ 61.50	\$ 64.82	\$ 68.32	\$ 72.01
Commodity Rate (per 100 cu ft)	\$ 3.53	\$ 3.77	\$ 3.97	\$ 4.18	\$ 4.41	\$ 4.65
Lake Connor Park						
Monthly Customer Charge	\$ 102.75	\$ 109.69	\$ 115.61	\$ 121.85	\$ 128.43	\$ 135.37
Commodity Rate (per 100 cu ft)	\$ 4.16	\$ 4.44	\$ 4.68	\$ 4.93	\$ 5.20	\$ 5.48

Sample Rate Impacts

Rate Impacts	Existing Rates	Proposed Rates 2024	Forecasted Rates			
			2025	2026	2027	2028
Single Family						
Average User- 7 ccf	\$ 49.54	\$ 52.13	\$ 54.96	\$ 57.93	\$ 61.05	\$ 64.32
<i>Dif</i>		\$ 2.59	\$ 2.83	\$ 2.97	\$ 3.12	\$ 3.27
Multi Family						
Low User - 10 ccf	\$ 61.45	\$ 65.65	\$ 69.20	\$ 72.93	\$ 76.84	\$ 81.04
<i>Dif</i>		\$ 4.20	\$ 3.55	\$ 3.73	\$ 3.91	\$ 4.20
Average User - 20 ccf	\$ 97.75	\$ 104.45	\$ 110.10	\$ 116.03	\$ 122.24	\$ 128.94
<i>Dif</i>		\$ 6.70	\$ 5.65	\$ 5.93	\$ 6.21	\$ 6.70
High User - 40 ccf	\$ 170.35	\$ 182.05	\$ 191.90	\$ 202.23	\$ 213.04	\$ 224.74
<i>Dif</i>		\$ 11.70	\$ 9.85	\$ 10.33	\$ 10.81	\$ 11.70
Commercial						
Low User - 15 ccf	\$ 107.61	\$ 114.90	\$ 121.05	\$ 127.52	\$ 134.47	\$ 141.76
<i>Dif</i>		\$ 7.29	\$ 6.15	\$ 6.47	\$ 6.95	\$ 7.29
Average User - 30 ccf	\$ 160.56	\$ 171.45	\$ 180.60	\$ 190.22	\$ 200.62	\$ 211.51
<i>Dif</i>		\$ 10.89	\$ 9.15	\$ 9.62	\$ 10.40	\$ 10.89
High User - 60 ccf	\$ 266.46	\$ 284.55	\$ 299.70	\$ 315.62	\$ 332.92	\$ 351.01
<i>Dif</i>	<i>Dif</i>	\$ 18.09	\$ 15.15	\$ 15.92	\$ 17.30	\$ 18.09

Rate Comparison

2023 Average Monthly Bill based on 700 cf/month



2024 Water Retail Rate Recommendation

- Recommend an overall rate increase of 5.4%
 - General Rate Increase of 3.0%
 - City of Everett Pass-Thru of 2.4%
- Continue cost of service phase-in
 - 5.26% increase for Single Family Residential
 - 6.75% increase for Multi-Family / Commercial / Industrial
 - Includes Lake Connor Park

Next Steps

- January 9, 2024 – Public Hearing
- January 23, 2024 – Board Adoption
- March 1, 2024 – Revised 2024 Water Utility Retail Rates Take Effect
- Revisit Cost of Service Phase-In
- Revisit Connection Charges and Wholesale Rates in 2024
- Revisit Conservation Rates at a Future Date



COMMENTS FROM THE PUBLIC

10.06.2023 (No. 2127)



CLEARING UP



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- [PacifiCorp Suspends 2022 RFP, Citing Uncertain Federal Regulations](#)
- [Formation of Western Transmission Expansion Coalition Kicks Off](#)
- [Rural Utilities Press Bonneville to Join Comprehensive Market](#)

BRIEFS

★ Follow this section

Inland Power Facing Lawsuits Stemming From Eastern Washington Wildfire

Two lawsuits filed in late September blame Inland Power and Light for the Aug. 18 Gray Fire that destroyed at least 240 structures across Medical Lake, Washington, and killed one person.

[▶ Read More](#)

Some Complaints in Columbia River System Operations EIS Lawsuit Stayed for 20 Years

U.S. District Judge Michael Simon on Sept. 28 granted an unopposed motion by federal defendants to stay two complaints until Dec. 31, 2043, in a lawsuit over Columbia River System Operations.

[▶ Read More](#)

New Data Center Announced for North Central Oregon

A developer with plans to build an approximately \$950 million data center campus in Umatilla sees that region of Oregon as a "destination market" for the industry.

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Idaho Power's 2-MW Battery System Catches Fire at Substation

A 2-MW battery system at Idaho Power's substation near Melba, Idaho, caught fire early Oct. 2, then burned off and on until the afternoon of Oct. 4, Adam Richins, senior vice president and chief operating officer at Idaho Power, told Clearing Up.

Idaho Power's 2-MW Battery System Catches Fire at Substation

Dan Catchpole

A 2-MW battery system at Idaho Power's substation near Melba, Idaho, caught fire early Oct. 2, then burned off and on until the afternoon of Oct. 4, Adam Richins, senior vice president and chief operating officer at Idaho Power, told Clearing Up.

The blaze did not affect Idaho Power's distribution grid, and the substation continued operating throughout the fire, he said.

The lithium-ion energy storage system was recently installed to be used as a distribution resource, he said.

As of Oct. 5, Idaho Power had not yet been able to investigate the cause of the fire.

"The fire's out, but we've flown drones over it, and the temperature is still too high to get in there and figure out what happened," Richins said.

A database of energy storage system failures maintained by the Electric Power Research Institute lists 67 events since 2011, including 20 in the United States.

"You see these across the nation occasionally," he said. "They're generally uncommon."



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 3A

TITLE

Approval of the Minutes for the Regular Meeting of December 5, 2023

SUBMITTED FOR: Consent Agenda

<u>Commission</u>	<u>Allison Morrison</u>	<u>8037</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing:	_____	
Estimated Expenditure:	_____	Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Governance Process, Board Job Description: GP-3(4) ... a non-delegable, statutorily assigned Board duty as defined under RCW 54.12.090 – minutes.

List Attachments:
Preliminary Minutes

**PRELIMINARY
SNOHOMISH COUNTY PUBLIC UTILITY DISTRICT**

Regular Meeting

December 5, 2023

The Regular Meeting was convened by President Rebecca Wolfe at 9:00 a.m. Those attending were Sidney Logan, Vice-President; Tanya Olson, Secretary; General Counsel Colin Willenbrock; Assistant General Managers Brant Wood and Jason Zyskowski (virtually); Acting Assistant General Manager Jeff Feinberg; Chief Financial Officer Scott Jones; Chief Information Officer Kristi Sterling; other District staff; members of the public; Commission & Executive Services Director Melissa Collins; Clerk of the Board Allison Morrison; and Deputy Clerk of the Board Morgan Stoltzner.

*** Items Taken Out of Order**

****Non-Agenda Items**

1. RECOGNITION/DECLARATIONS

A. Recognition of the Meter Reading Team

The Meter Reading Team was recognized for their performance.

2. CEO/GENERAL MANAGER BRIEFING AND STUDY SESSION

A. Updates

1. Media. Media and Public Relations Liaison Aaron Swaney provided a presentation on District related news and articles.
2. Other. Assistant General Manager Generation, Power, Rates & Transmission Management Jason Zyskowski updated the Board on the Columbia River System Operations (CSCO) litigation and settlement agreement.

B. APPA – DEED Grant

Customer and Energy Services Program Manager Sheri Miller provided a presentation on the American Public Power Association (APPA) Energy & Efficiency Developments program grant. Information included program goals, the program development team, Tree Power program components, and timeline.

C. Audit Activity Update

Senior Manager, Controller & Auditor Shawn Hunstock provided the annual summary of the District's various audit activities that were completed this year or were still in progress and planned for 2024.

The meeting recessed at 9:59 a.m. and reconvened at 10:05 a.m.

D. Strategic Plan Quarterly Update

Strategy & Performance Planning Leader Laura Lemke provided a quarterly update on the District's Strategic Plan which included information on current implementation progress, future implementations for Q4 2023 and Q1 2024, and the Q3 Strategic Plan report.

The Board concurred to have bi-annual Strategic Plan updates that will include information on accomplishments, challenges, and risks.

The meeting recessed at 10:43 a.m.

RECONVENE REGULAR MEETING

The Regular Meeting was reconvened by President Rebecca Wolfe at 1:30 p.m. Those attending were Sidney Logan, Vice-President; Tanya Olson, Secretary; General Counsel Colin Willenbrock; Assistant General Managers Brant Wood and Jason Zyskowski (virtually); Acting Assistant General Manager Jeff Feinberg; Chief Financial Officer Scott Jones; Chief Information Officer Kristi Sterling; other District staff; members of the public; Commission & Executive Services Director Melissa Collins; Clerk of the Board Allison Morrison; and Deputy Clerk of the Board Morgan Stoltzner.

*** Items Taken Out of Order******Non-Agenda Items****3. COMMENTS FROM THE PUBLIC**

The following public provided comments:

- Gayla Shoemake, Edmonds

4. CONSENT AGENDA

A. Approval of Minutes for the Regular Meeting of November 21, 2023

B. Bid Awards, Professional Services Contracts and Amendments

Public Works Contract Award Recommendations:

Public Works Contract No. 23-1424-KP with Kemp West, Inc.

Formal Bid Award Recommendations \$120,000 and Over:

None

Professional Services Contract Award Recommendations \$200,000 and Over:

None

Miscellaneous Contract Award Recommendations \$200,000 and Over:

None

Interlocal Agreements and Cooperative Purchase Recommendations:

Contracts:

Purchase Order Nos. 4500088055, 4500088056 and 4500088057 with Global Rental Company

Amendments:

None

Sole Source Purchase Recommendations:

Purchase Order No. 4500088009 with Fiber Marketing International, Inc. dba FMI Sales

Emergency Declarations, Purchases and Public Works Contracts:

None

Purchases Involving Special Facilities or Market Condition Recommendations:

None

Formal Bid and Contract Amendments:

Professional Services Contract No. CW2248530 with Sound Grid Partners, LLC

Public Works Contract No. CW2250891 with Shinn Mechanical, Inc.

Contract Acceptance Recommendations:

None

- C. Consideration of Certification/Ratification and Approval of District Checks and Vouchers
- D. Consideration to Prequalify Contractors as Bidders for Electrical Line Work for the District During 2024

A motion unanimously passed approving Agenda Items 4A – Approval of Minutes for the Regular Meeting of November 21, 2023; 4B – Bid Awards, Professional Services Contracts and Amendments; 4C – Consideration of Certification/Ratification and Approval of District Checks and Vouchers; and 4D – Consideration to Prequalify Contractors as Bidders for Electrical Line Work for the District During 2024, as amended.

5. PUBLIC HEARING

- A. Public Hearing on Proposed 2023 Integrated Resource Plan

President Wolfe opened the public hearing.

There were no comments from the Board or the Public, the public hearing was continued.

A motion unanimously passed continuing the public hearing on the Proposed 2023 Integrated Resource Plan to Tuesday, December 19, 2023, at 1:30 p.m. at 2320 California Street in Everett, WA.

6. PUBLIC HEARING AND ACTION

- A. Consideration of a Resolution Adopting the 2024 Budget for the Public Utility District No. 1 of Snohomish County, Washington

President Wolfe opened the public hearing.

Steven Keeler of Edmonds provided public comment.

Commissioner Olson requested the Board's support in committing to revisiting EL 4.6 in the 1st Quarter of 2024. Commissioners Wolfe and Logan concurred.

There being no additional questions from the Board or the public, the public hearing was closed.

A motion unanimously passed approving Resolution No. 6155 adopting the 2024 Budget for Public Utility District No. 1 of Snohomish County, Washington.

- B. Consideration of a Resolution Amending the District's "Pilot Small Distributed Generation Rate Schedule"

President Wolfe opened the public hearing.

There being no questions from the Board or the public, the public hearing was closed.

A motion unanimously passed approving Resolution No. 6156 amending the District's "Pilot Small Distributed Rate Schedule".

7. ITEMS FOR INDIVIDUAL CONSIDERATION

- A. Consideration of a Motion Accepting the Financial Planning and Budgeting Monitoring Report

A motion unanimously passed accepting the Financial Planning and Budgeting Monitoring report.

8. CEO/GENERAL MANAGER REPORT

Chief Financial Officer Scott Jones reported on District related topics and accomplishments.

9. COMMISSION BUSINESS

A. Commission Reports

The Commissioners reported on Commission related activities and Board related topics.

B. Commissioner Event Calendar

The Commissioners reported that they would attend the Public Power Council's (PPC) FUEL virtual meeting on December 6, 2023.

C. 2023 Treasury, Budget, Forecast, and Major Project Status Report – October

There were no questions on the 2023 Treasury, Budget, Forecast, and Major Project Status Report.

D. October 2023 District Performance Dashboard

Staff responded to questions regarding the October 2023 District Performance Dashboard.

E. Consideration of Election of Commission Officers for the Year 2024

A motion unanimously passed electing the Commission Officers for the year 2024 as follows: Sidney Logan, President; Tanya Olson, Vice-President; and Rebecca Wolfe, Secretary.

10. GOVERNANCE PLANNING

A. Governance Planning Calendar

There were no changes to the Governance Planning Calendar.

B. Proposed 2024 Governance Planning Calendar

There were no changes to the 2024 Governance Planning Calendar.

ADJOURNMENT

There being no further business or discussion to come before the Board, the Regular Meeting of December 5, 2023, adjourned at 2:04 p.m. An audio file of the meeting is on file in the Commission Office and available for review.

Approved this 19th day of December, 2023.

Secretary

President

Vice President



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 3B

TITLE

CEO/General Manager's Report of Public Works Contract Award Recommendations; Formal Bid Award Recommendations; Professional Services Contract Award Recommendations; Miscellaneous Contract Award Recommendations; Cooperative Purchase Recommendations; Sole Source Purchase Recommendations; Emergency Declarations, Purchases and Public Works Contracts; Purchases Involving Special Facilities or Market Condition Recommendations; Formal Bid and Contract Amendments; and Contract Acceptance Recommendations

SUBMITTED FOR: Consent Agenda

<u>Contracts/Purchasing</u>	<u>Clark Langstraat</u>	<u>5539</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing: _____		
Estimated Expenditure: _____		Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Governance Process, Board Job Description, GP-3(4) ... non-delegable, statutorily assigned Board duty – Contracts and Purchasing.

The CEO/General Manager's Report of Public Works Contract Award Recommendations; Formal Bid Award Recommendations \$120,000 and Over; Professional Services Contract Award Recommendations \$200,000 and Over; Miscellaneous Contract Award Recommendations \$200,000 and Over; Cooperative Purchase Recommendations; Sole Source Purchase Recommendations; Emergency Declarations, Purchases and Public Works Contracts; Purchases Involving Special Facilities or Market Condition Recommendations; Formal Bid and Contract Amendments; and Contract Acceptance Recommendations contains the following sections:

Public Works Contract Award Recommendations (Page 1);
Invitation to Bid No. 23-1429-SC with Elevator Support Company LLC dba Electrical Support Company

Formal Bid Award Recommendations \$120,000 and Over;
None

Professional Services Contract Award Recommendations \$200,000 and Over;
None

Miscellaneous Contract Award Recommendations \$200,000 and Over (Page 2);
Purchase Order No. 4500088208 with City of Seattle

Interlocal Agreements and Cooperative Purchase Recommendations (Page 3);
Contracts:
Purchase Order No. 4500088188 with Cellco Partnership dba Verizon Wireless
Amendments:
None

Sole Source Purchase Recommendations;
None

Emergency Declarations, Purchases and Public Works Contracts;
None

Purchases Involving Special Facilities or Market Condition Recommendations;
None

Formal Bid and Contract Amendments (Pages 4 - 12);
Miscellaneous No. CW2231645 with King County Brightwater WWTP
Miscellaneous No. CW2232311 with Drilling Info Inc. DBA Enverus
Miscellaneous No. CW2242658 with Puget Sound Energy
Professional Services Contract No. CW2247080 with Travis J. Miranda dba Roots Forestry
Consulting LLC
Public Works Contract No. CW2247778 with AtWork Commercial Enterprise
Public Works Contract No. CW2250083 with Asplundh Tree Expert, LLC
Miscellaneous No. CW2250129 with The Boeing Company

Contract Acceptance Recommendations;
None

List Attachments:
December 19, 2023 Report

Public Works Contract Award Recommendation(s)
December 19, 2023

ITB No. 23-1429-SC
Residential Heater Installations
Unit Price Contract

No. of Bids Solicited:	20+	
No. of Bids Received:	1	
Project Leader & Phone No.:	Allison Grinczel	Ext. 8275
Estimate:	\$143,000.00	

Provide all labor, tools, supplies, transportation, equipment, and materials not furnished by the District necessary to perform removal and proper disposal of a quantity of 260 existing hardwired 220V baseboard and/or forced fan wall heaters; and replacement with new 220V Envi heaters. The District will provide the replacement heaters for this project. Work will be performed within an existing multi-family, multi-tenant residential complex in Marysville.

	<u>Contractor</u>	<u>Subtotal (w/o tax)</u>
Award To:	Elevator Support Company LLC dba Electrical Support Company	\$131,291.00

Summary Statement: Staff recommends award to Elevator Support Company LLC dba Electrical Support Company, the low evaluated bidder, in the amount \$131,291.00, plus tax.

**Miscellaneous Services Award Recommendation(s) \$200,000 And Over
December 19, 2023**

MISC. PO No. 4500088208

North Mountain Substation
Operations & Maintenance
Charges for 2024

Project Leader & Phone No.:	Bob Anderson	Ext. 4309
Estimate:	\$1,500,000.00	

In the late 1980's, the Commission determined that the Darrington area should be served by a new substation connected to the Seattle City Light (SCL) transmission system. The North Mountain Substation was built and connected to Seattle's 230kV transmission system. While the District paid for the design and construction of the substation, the portion of the substation operating at 230kV, and the entire site was transferred to Seattle ownership. In 1991, three (3) agreements were negotiated covering the operations and maintenance responsibility, energy wheeling, and telecommunication channel capacity. These agreements require the District to cover the O&M expense of operating the 230kV portion of the substation, to pay for wheeling the energy over the Seattle transmission system that is used in Darrington, and to pay a portion of the communication capacity that is used in the operation of the substation. The agreements have a 30-year term. The current Operations and Maintenance (O&M) Agreement became effective on November 1, 2022. A new contract is established each year to cover the funds paid to Seattle.

<u>Vendor</u>	<u>Subtotal (w/o tax)</u>
Award to: City of Seattle	\$1,500,000.00

Summary Statement: The \$1,500,000.00 is an estimated amount for the entire year of 2024. It covers the O&M costs, telecommunications capacity, and the energy wheeling charges that SCL assigns to the District for having the North Mountain Substation connected to their 230kV transmission system.

This amount also covers costs associated with the Battery Upgrade and the Fence and Security System Upgrade initiated by SCL which will be completed in 2024. Both these projects were deferred from 2023. The fence upgrade is needed to replace the 30-year-old fence with an improved one to increase deterrence and resiliency to forced entry. The upgraded Security system will improve detection and assessment capability with 24/7 monitoring by SCL. The battery upgrade is needed to ensure the reliable operation of the protective relays and equipment.

Cooperative Purchase Recommendations December 19, 2023

State law permits a public agency to purchase from a contract entered into by another public agency as long as the contract is determined to have been awarded in compliance with the bidding requirements of the agency seeking to make the purchase, provided that the requirement for advertising or providing notice for bids is deemed satisfied if the awarding entity advertises according to its own bidding requirements, and either (i) posts the advertisement on any website sponsored by a public agency, purchasing cooperative or similar service provider, or (ii) provides an access link on the state's web portal to the notice. District staff have verified through documentation and/or individual questions to the applicable awarding entity that the bid process used for each purchase recommended below meets the District's procurement requirements.

Accordingly, staff recommends approval of the following contracts/amendments:

CONTRACTS:

Awarded Vendor Name: Cellco Partnership dba Verizon Wireless \$1,350,000.00
Purchase Order Number 4500088188
Department of Enterprises (DES) Master Usage Agreement Number K2295
Washington State Participating Master Agreement # 04718
NASPO ValuePoint Master Price Agreement Number MA152

Description of Purchase: District cellular services, and iPhone and iPad procurement/replacement

The District leverages mobile technology to support the District's business operations, field operations, storm support, and customer service delivery. Mobile Workforce Management requires mobile devices for outage/storm response, work management, crew scheduling, AMI deployments, asset management, energy efficiency, and fleet/warehouse management. Mobile devices also support the District's safety programs by ensuring employees can immediately report emergencies and photo document safety concerns or incidents.

The costs for this contract include cellular service and equipment. The District has seen an increase in mobile device usage by departments to support field operations and Connect Up project use as well as an increase to support the District's work from home and hybrid work schedules. We expect these costs will carry us through the end of 2024. The District utilizes the NASPO ValuePoint cooperative contract, which provides competitive pricing.

Project Lead: Melissa Witzel Ext: 8523

**Formal Bid and Contract Amendment(s)
December 19, 2023**

MISC No. CW2231645
Energy Smart Industrial
– Wastewater Energy Coaching

Contractor/Consultant/Supplier:	King County Brightwater WWTP
Project Leader & Phone No.:	Kelsey Lewis (425) 261-9203
Amendment No.:	4
Amendment:	\$110,000.00

Approximate Original Contract Amount:	\$70,000.00		
Present Contract Amount:	\$234,881.60	Original Start/End:	10/26/2017-4/30/2019
Amendment Amount:	\$110,000.00	Present Start/End:	10/26/2017-9/30/2023
New Contract Amount:	\$344,881.60	New End Date:	N/A

Background

King County Wastewater Treatment Division’s Brightwater Plant (Brightwater) has been an outstanding performer as a Wastewater Energy Coaching (WEC) Cohort SEM participant with the District since 2017. The SEM cohort program recognizes Brightwater’s operations and maintenance savings from a baseline established in the year prior to their joining the cohort program, in this case 2016-17.

In their first year (2017-18) they saved 1.1M kWh and in years 2-5 they maintained and increased those savings for an average 2.9M kWh saved each year. The original agreement included a \$50,000 incentive cap for each 2-year performance period. Given their outstanding performance, in Year 3 this cap was increased to a \$50,000 cap for each year in the 2-year performance period (see table below).

Program Year	kWh Saved	PTS Funding	Incentive Paid	Total
1	1,092,409	\$0.00	\$ 27,310.22	\$ 27,310.23
2	1,509,295	\$10,000.00	\$ 22,689.78	\$ 32,689.78
3	2,133,446	\$9,881.60	\$ 50,000.00	\$ 59,881.60
4	3,582,176	\$0.00	\$ 50,000.00	\$ 50,000.00
5	4,282,733	\$15,000.00	\$ 50,000.00	\$ 65,000.00
Total	12,600,059	\$34,881.60	\$ 200,000.00	\$ 234,881.60

Year 6 PTS and Incentive Increase: \$110,000

In Year 6 (2022-23) it is estimated they will save close to 4M kWh. At \$.025/kWh that equates to an earned incentive of \$100,000.00. Brightwater has **the highest SEM savings in the history of our SEM program**, accounting for almost half of the Energy Services SEM 9.5 M kWh savings in 2022. We feel that given their impact on the program; an increased cap from \$50,000.00 to \$100,000.00 for their 6th and final year in the program is warranted. An additional \$10,000.00 is requested for Year 6 Performance Tracking System (PTS) funding.

Summary Statement:	Staff recommends approval of Amendment No. 4 to increase the contract by \$110,000 for a "Not to Exceed" amount of \$344,881.60. This amendment will pay their incentive for year 6.
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Summary of Amendments:

Amendment No. 1 dated July 8th, 2019, increased contract in the amount of \$70,000.00 and extended the term to September 30, 2021.

Amendment No. 2 dated June 23rd, 2021, increased contract in the amount of \$50,000.00.

Amendment No. 3 dated July 6th, 2021, increased contract in the amount of \$65,000.00 and extended the terms to September 30, 2023.

**Formal Bid and Contract Amendment(s)
December 19, 2023**

MISC No. CW2232311
E-Load Forecasting Services

Contractor/Consultant/Supplier:	Drilling Info Inc. dba Enverus	
Project Leader & Phone No.:	Rhyan Kyle	Ext. 1602
Amendment No.:	7	
Amendment:	\$ 16,976.71	

Approximate Original Contract Amount:	\$220,000.00	Original Start/End:	01/01/2018-12/31/2018
Present Contract Amount:	\$198,976.71	Present Start/End:	01/01/2018-12/31/2023
Amendment Amount:	\$ 16,976.71	New End Date:	12/31/2024
New Contract Amount:	\$215,953.42		

Summary Statement: The District’s power scheduling department utilizes observation and forecasting data and short-term load forecasting data to assist in the planning and operations of the District’s electric systems. This service is a vital component to Power Scheduling for the purpose of forecasting system load as it is used on an hourly basis for real-time trading and scheduling window, as well as the short-term day-ahead window. This tool uses historical data, including load and weather to help forecast the hourly load for the next seven days. This software has been used by the District for the last fourteen years.

Commission approved a not to exceed amount of \$220,000.00 on December 19, 2017, for calendar years 2018 through 2023 provided that District staff review the contract and performance annually, to determine whether to authorize an additional year or to terminate the contract.

Year	Amount	Contract Amount	Remaining Amount Approved by Commission
2018	\$34,101.72	\$ 34,101.72	\$185,898.28
2019	\$39,000.00	\$ 73,101.72	\$146,898.28
2020	\$32,000.00	\$105,101.72	\$114,898.28
2021	\$25,000.00	\$130,101.72	\$ 89,898.28
2022	\$32,035.00	\$162,136.72	\$ 57,863.28
2023	\$36,839.99	\$198,976.71	\$ 21,023.29

Staff recommends approval of Amendment No. 7 to increase the contract by a “Not to Exceed” amount of \$16,976.71 and to extend to December 31, 2024. This amendment will allow one additional year for continued operations as the department explores options regarding this contract.

Summary of Amendments:

Amendment No. 1 dated December 21, 2018, increased contract in the amount of \$34,101.72 and extended contract term to December 31, 2019, for the 2nd year.

Amendment No. 2 dated December 23, 2019, increased contract in the amount of \$32,000.00 and extended contract term to December 31, 2020, for the 3rd year.

Amendment No. 3 dated December 30, 2020, increased contract in the amount of \$25,000.00 and extended contract term to December 31, 2021, for the 4th year.

Amendment No. 4 dated December 21, 2021, increased contract in the amount of \$25,000.00 and extended contract term to December 31, 2022, for the 5th year.

Amendment No. 5 dated March 30, 2022, assigned contract from Pattern Recognition Technologies to Drilling Info, Inc. DBA Enverus.

Amendment No. 6 dated December 13, 2022, increased contract in the amount of \$36,839.99 and extended contract term to December 31, 2023, for the 6th year.

Formal Bid and Contract Amendment(s)
December 19, 2023

MISC No. CW2242658
Master Energy Savings
Administration Agreement
- MSA

Contractor/Consultant/Supplier:	Puget Sound Energy	
Project Leader & Phone No.:	Carolyn Beebe	Ext. # 1720
Amendment No.:	2	
Amendment:	\$4,000,000.00	

Approximate Original Contract Amount:	\$2,000,000.00		
Present Contract Amount:	\$3,500,000.00	Original Start/End:	11/09/2020 - 02/28/2024
Amendment Amount:	\$4,000,000.00	Present Start/End:	11/09/2020 - 02/28/2024
Approximate New Contract Amount:	\$7,500,000.00	New End Date:	02/28/2027

Summary Statement: Staff recommends approval of Amendment No. 2 to extend the contract terms to February 28, 2027, and increase the Master Energy Savings Administration Agreement amount by \$4,000,000.00 to allow continuation of the Small Business Direct Install (SBDI) program and add additional programs.

The Small Business Direct Install (SBDI) program serves a historically underserved market segment: small businesses in Snohomish County defined as having a square footage of 10,000 SF or less. The program partners with Puget Sound Energy (PSE) and works with Willdan to administer small business assessments to determine eligibility, and installations of no cost/ low-cost measures. The program has served a myriad of business types in cities throughout Snohomish County. Success of the program has steadily increased each year as the District reaches an increased number of businesses.

Summary of Amendments:

Amendment 1 approved by Commission on November 1, 2022, increased the Master Energy Savings Administration Agreement amount by \$1,500,000.00 to allow continuation of the Small Business Direct Install (SBDI) program and add additional programs.

Formal Bid and Contract Amendment(s)
December 19, 2023

PSC No. CW2247080

Timber Stand Management, Fire
Safety and Road/Culvert Maintenance

Contractor/Consultant/Supplier:	Travis J Miranda DBA Roots Forestry Consulting LLC	
Project Leader & Phone No.:	Mike Schutt	Ext. 1712
Amendment No.:	3	
Amendment:	\$100,000.00	

Original Contract Amount: \$50,000.00
Present Contract Amount: \$145,500.00
Amendment Amount: \$100,000.00
New Contract Amount: \$245,500.00

Original Start/End: 5/16/2022-12/31/2022
Present Start/End: 5/16/2022-12/31/2023
New End Date: 12/31/2024

Summary Statement: Staff recommends approval of Amendment No. 3 to increase the contract by \$100,000.00, and extend the term to December 31, 2024, for routine forestry work and oversight of the commercial thinning expected to occur in 2024.

Summary of Amendments:

Amendment No. 1 dated October 11, 2022, increased the contract amount by \$45,500.00 for continued support of forestry work.

Amendment No. 2 dated November 10, 2022, extended the contract term to December 31, 2023, added funds of \$50,000.00 for continued support of forestry work.

Formal Bid and Contract Amendment(s)
December 19, 2023

PWC No. CW2247778
2022-2025 Unit Price Generation
Services Vegetation Management

Contractor/Consultant/Supplier:	AtWork Commercial Enterprise
Project Leader & Phone No.:	Mike Schutt Ext. 5816
Amendment No.:	1
Amendment:	\$494,000.00

Original Contract Amount:	\$494,280.00	Original Start/End:	05/31/2022 / 05/30/2025
Present Contract Amount:	\$494,280.00	Present Start/End:	05/31/2022 / 05/30/2025
Amendment Amount:	\$494,000.00	New End Date:	05/30/2025
New Contract Amount:	\$988,280.00		

Summary Statement:

Staff recommends approval of Amendment No. 1 to increase the contract by \$494,000.00 to cover the costs for additional labor.

Each of the past two summers have been longer and drier than typical resulting in the ability to work additional days controlling invasive weeds at Generation locations, thereby impacting the budget. Additionally, there have been unanticipated revegetation efforts required at the Hancock and Calligan hydro facilities the past two years to ensure revegetation requirements are met within five years of the facilities beginning operation.

Formal Bid and Contract Amendment(s)
December 19, 2023

PWC No. CW2250083

Tree Trimming Unit
Price (Hourly Rate) Transmission
and Distribution Line Clearance

Contractor/Consultant/Supplier:	Asplundh Tree Expert, LLC
Project Leader & Phone No.:	Randy Packebush Ext. 5629
Amendment No.:	1
Amendment:	\$2,577,335.60

Original Contract Amount: \$2,513,124.00
Present Contract Amount: \$2,513,124.00
Amendment Amount: \$2,577,335.60
New Contract Amount: \$5,090,459.60

Original Start/End: 1/1/2023 – 12/31/2023
Present Start/End: 1/1/2023 – 12/31/2023
New End Date: 12/31/2024

Summary Statement: Staff recommends approval of Amendment No. 1 to increase the contract by a not-to-exceed amount of \$2,577,335.60 and extend the term to December 31, 2024. This exercises the option to renew the contract for one additional year, under the same terms and conditions, except as to price.

Per the terms of the contract, labor rate adjustments are allowed based on the labor rates originally proposed and calculated separately for prevailing wage rates published by LNI and labor rates published in the contractor’s Collective Bargaining Agreement (CBA). Adjustments are calculated as increases over the original proposed rates and will not be cumulative. The District will grant only the higher of the two increases. In this instance labor rates will be increased by almost 3% based on wage rate increases required by the contractor’s CBA.

Formal Bid and Contract Amendment(s)
December 19, 2023

MISC No. CW2250129
ESI – Energy Project
Manager No. 9

Contractor/Consultant/Supplier:	The Boeing Company	
Project Leader & Phone No.:	Kelsey Lewis	425-261-9203
Amendment No.:	1	
Amendment:	\$150,000.00	

Approximate Original Contract Amount:	\$150,000.00		
Present Contract Amount:	\$150,000.00	Original Start/End:	1/1/2023 – 12/31/2023
Amendment Amount:	\$150,000.00	Present Start/End:	01/01/2023 - 12/31/2023
Approximate New Contract Amount:	\$300,000.00	New End Date:	12/31/2024

Summary Statement: Boeing will enter its tenth year participating in the Energy Project Manager (EPM) program where participants receive an additional \$.025/kWh for designating an employee to focus on Energy Efficiency projects and showing at least 200,000 kWh in potential savings. BPA’s program identifies a cap of \$150,000 per BPA biennium (currently 10/1/2023-9/30/2025). Boeing will max out this cap in early 2024, and in order to capitalize on the current momentum at the Everett site, PUD staff recommends increasing the cap to \$150,000 per year, or \$300,000.00 total over the current biennium.

Staff recommends approval of Amendment No. 1 to increase the contract by \$150,000 for a "Not to Exceed" amount of \$300,000.00.



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 3C

TITLE

Consideration of Certification/Ratification and Approval of District Checks and Vouchers

SUBMITTED FOR: Consent Agenda

<u>General Accounting & Financial Systems</u>	<u>Shawn Hunstock</u>	<u>8497</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>

Date of Previous Briefing: _____

Estimated Expenditure: _____ Presentation Planned

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Governance Process, Board Job Description: GP-3(4)(B)(2)a non-delegable, statutorily assigned Board duty to approve vouchers for all warrants issued.

The attached District checks and vouchers are submitted for the Board’s certification, ratification and approval.

List Attachments:
Voucher Listing



CERTIFICATION/RATIFICATION AND APPROVAL

We, the undersigned of the Public Utility District No. 1 of Snohomish County, Everett, Washington, do hereby certify that the merchandise or services hereinafter specified have been received, and the Checks or Warrants listed below are ratified/approved for payment this 19th day of December 2023.

CERTIFICATION:

Certified as correct:

CEO/General Manager

Shawn Hunstock

Auditor

J. [Signature]

Chief Financial Officer/Treasurer

RATIFIED AND APPROVED:

Board of Commissioners:

President

Vice-President

Secretary

TYPE OF DISBURSEMENT	PAYMENT REF NO.	DOLLAR AMOUNT	PAGE NO.
REVOLVING FUND			
Customer Refunds, Incentives and Other	1127118 - 1127361	\$91,514.81	2 - 9
Electronic Customer Refunds		\$11,392.61	10 - 12
WARRANT SUMMARY			
Warrants	8076070 - 8076297	\$4,854,865.20	13 - 20
ACH	6042571 - 6042949	\$7,689,497.62	21 - 32
Wires	7003067 - 7003076	\$6,134,684.94	33
Payroll - Direct Deposit	5300000942 - 5300000942	\$4,379,622.16	34
Payroll - Warrants	845068 - 845076	\$16,150.61	34
Automatic Debit Payments	5300000925 - 5300000945	\$35,157,615.61	35
	GRAND TOTAL	\$58,335,343.56	

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
11/27/23	1127118	REED TERZIAN	\$78.88
11/27/23	1127119	MARCIA CANNON	\$37.10
11/27/23	1127120	DEAL ENTERPRISES	\$12.72
11/27/23	1127121	ALICIA FOUTS	\$12.83
11/27/23	1127122	TITAN FRAMING LLC	\$64.05
11/27/23	1127123	SERHII MITNIKOV	\$109.95
11/27/23	1127124	MIHAELA BUJOR	\$5.50
11/27/23	1127125	HZ COPPERSTONE APARTMENTS, LLC	\$62.08
11/27/23	1127126	SUNI CHON	\$30.18
11/27/23	1127127	MICHAEL DETSCHMAN	\$409.33
11/27/23	1127128	MACKENZIE MIDDAUGH	\$98.99
11/27/23	1127129	RAKSHITHKUMAR NARAYANAPPA	\$80.72
11/27/23	1127130	CORNERSTONE HOMES	\$22.90
11/27/23	1127131	NATHIE KATZOFF ART & DESIGN LLC	\$87.37
11/27/23	1127132	BRYON MOELLER	\$50.25
11/27/23	1127133	DEAL ENTERPRISES	\$6.93
11/27/23	1127134	ARIHANT SETHIA	\$8.97
11/27/23	1127135	ASPIRE APARTMENTS AT MOUNTLAKE TERRACE	\$38.17
11/27/23	1127136	MARIA NEVAREZ	\$369.35
11/27/23	1127137	AUSTIN STEERE	\$328.69
11/27/23	1127138	FAMILY TREE APTS	\$46.61
11/28/23	1127139	NANCY MIDDLETON	\$209.84
11/28/23	1127140	EDGAR GUTIERREZ	\$51.05
11/28/23	1127141	DONALD BROCK	\$4,400.00
11/28/23	1127142	JENNIFER PFINGSTEN	\$108.17
11/28/23	1127143	JACOB BURTS	\$142.23
11/28/23	1127144	MIGUEL MOLINA HERNANDEZ	\$37.07
11/28/23	1127145	TAJAI PORCHIA	\$160.00
11/28/23	1127146	GREGORY PAYNE	\$87.90
11/28/23	1127147	GREGORY PAYNE	\$151.81
11/28/23	1127148	STEVEN WEIGEL	\$105.46
11/28/23	1127149	TOMORIA BLAYLOCK	\$24.06

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
11/28/23	1127150	COEUS 100 LLC	\$479.28
11/28/23	1127151	TINA PINTER	\$149.71
11/28/23	1127152	SHAYNE LONGOZO	\$128.01
11/28/23	1127153	JAYSON WITHERS	\$80.20
11/28/23	1127154	KHRYSTYNA ALFAVITSKA	\$17.96
11/28/23	1127155	JASON YOUNG	\$451.44
11/28/23	1127156	VANADIS OLSEN	\$131.95
11/28/23	1127157	BMCH WASHINGTON LLC	\$41.42
11/28/23	1127158	MURTADA ABDELRAHMAN	\$126.04
11/28/23	1127159	MADISON BETHKE	\$237.62
11/28/23	1127160	GREGORY PAYNE	\$38.66
11/28/23	1127161	WON JIN PARK	\$43.58
11/28/23	1127162	JEFFREY PACHUR	\$30.62
11/28/23	1127163	LILA KIM	\$16.92
11/28/23	1127164	APRIL WILSON	\$2,200.00
11/28/23	1127165	CAMERON HITCHCOCK	\$86.46
11/28/23	1127166	CARROLLS CREEK APARTMENTS PROPERTY OWNER	\$17.30
11/28/23	1127167	SANDRA ELIE	\$4,383.72
11/28/23	1127168	STANLEY ALEX	\$432.50
11/28/23	1127169	NEW LIFE FELLOWSHIP UNITED PENTECOSTAL C	\$44.94
11/28/23	1127170	ROBERT BARGY	\$325.73
11/28/23	1127171	ROLAND UPENIEKS	\$22.02
11/28/23	1127172	ANNE CASEL	\$2,735.63
11/28/23	1127173	COURTNEY CONETTO	\$226.64
11/28/23	1127174	ESSEX PORTFOLIO, L.P.	\$20.22
11/28/23	1127175	SHAWN FREDERICK	\$99.73
11/28/23	1127176	GREGORY PAYNE	\$106.41
11/28/23	1127177	VINTAGE AT LAKEWOOD, LLC	\$19.82
11/28/23	1127178	GAILE SIMMONS	\$50.71
11/28/23	1127179	ANTONY BURTON	\$114.87
11/28/23	1127180	XINXIN HUANG	\$144.16
11/28/23	1127181	ABTISAM AL RUBAYE	\$458.95

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
11/28/23	1127182	2018-2 IH BORROWER LP	\$21.29
11/28/23	1127183	GB AUTO SERVICE INC	\$2,129.71
11/28/23	1127184	MICHAEL LEHMANN	\$11.17
11/29/23	1127185	DONNA NELSON	\$107.51
11/29/23	1127186	DIAJANIQUE BAILEY	\$324.88
11/29/23	1127187	DOROTHY EWING	\$246.07
11/29/23	1127188	MARION HOPFENSBERGER	\$88.32
11/29/23	1127189	VICKI EVELAND	\$51.23
11/29/23	1127190	NICHOLAS MOSER	\$706.41
11/29/23	1127191	RICHARD OSGOOD	\$184.98
11/29/23	1127192	STAN HARDWICK	\$6.98
11/29/23	1127193	KATHRYN BLEDSOE	\$67.02
11/29/23	1127194	TERRENCE JERMYN	\$1,390.02
11/29/23	1127195	KRISTINA VASQUEZ	\$183.66
11/29/23	1127196	ADRIAN PRATT	\$411.62
11/29/23	1127197	MAPLE COURT APTS 2010 LLC	\$28.19
11/29/23	1127198	JOSEPH MONCHAK	\$68.23
11/29/23	1127199	SYDNEY HESTAND	\$105.16
11/29/23	1127200	HOUSING AUTHORITY OF SNO CO	\$73.95
11/29/23	1127201	SSHI LLC	\$57.12
11/29/23	1127202	VOID	\$0.00
11/29/23	1127203	NICHOLAS MARCHETTI	\$147.64
11/29/23	1127204	MARIA NARANJO DE MARTINEZ	\$1,716.47
11/29/23	1127205	CRYSTAL HANSEN	\$276.13
11/29/23	1127206	JR WILLIAM RUNTE	\$197.51
11/29/23	1127207	TAREK BOUDRAA	\$6,126.00
11/29/23	1127208	BLAINE SHAFFER	\$18.56
11/29/23	1127209	KACIDI BLAU-FOX	\$179.85
12/1/23	1127210	LORENA VIERA	\$70.03
12/1/23	1127211	SAGA PROPERTIES LLC	\$12.25
12/1/23	1127212	SVREAL LLC	\$2,394.00
12/1/23	1127213	DIANE DUFFY	\$953.41

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/1/23	1127214	WENDY KAY	\$357.42
12/1/23	1127215	ADRIENNE ANDERSON	\$24.33
12/1/23	1127216	MILL AT MC 1 LLC	\$11.96
12/1/23	1127217	TOBY TOBIAS	\$38.90
12/1/23	1127218	JOY WARNER	\$2,034.17
12/1/23	1127219	II ROBERT PENNER	\$190.28
12/1/23	1127220	SHERI SCOTT	\$12.98
12/1/23	1127221	FRANCISCO SALMERON	\$23.95
12/1/23	1127222	PAULA BOLYARD	\$51.95
12/1/23	1127223	PROJECT PRIDE	\$2,801.53
12/4/23	1127224	JAMES DOUGLAS	\$16.31
12/4/23	1127225	BEXAEW BOTHELL RIDGE LP	\$17.78
12/4/23	1127226	SERVICE ELECTRIC CO INC	\$38.05
12/4/23	1127227	SERVICE ELECTRIC CO INC	\$21.36
12/4/23	1127228	SPRUCE COURT LLC	\$80.87
12/4/23	1127229	ALEXANDER VASQUEZ	\$73.31
12/4/23	1127230	HALLEY CARE	\$76.25
12/4/23	1127231	SAMICA THOMAS	\$31.45
12/4/23	1127232	LGI HOMES - WASHINGTON, LLC	\$43.12
12/4/23	1127233	SANDRA MONDRAGON GARCIA	\$320.00
12/4/23	1127234	RAJNEET KAUR	\$914.85
12/4/23	1127235	JILL KARBER	\$53.99
12/4/23	1127236	BARBARA HEIMANN	\$11.23
12/4/23	1127237	RUDY LEBARON	\$253.90
12/4/23	1127238	DANIELLE FRIS	\$58.44
12/4/23	1127239	CAROLE GARDNER	\$19.90
12/4/23	1127240	BETTY ERDAHL	\$32.99
12/4/23	1127241	YUSMILA PADRON ALONSO	\$52.56
12/4/23	1127242	BETTE WASHAM	\$137.14
12/4/23	1127243	YINGSIAN LIU	\$157.03
12/4/23	1127244	SARA FREUDENBERG	\$55.14
12/4/23	1127245	SHUAIB SHUHRAT	\$144.53

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/4/23	1127246	MICHEL CONST INC	\$45.90
12/4/23	1127247	PROVIDENCE 4825 LLC	\$285.24
12/4/23	1127248	QUILCEDA CREEK APARTMENTS, LLC	\$137.73
12/4/23	1127249	VOID	\$0.00
12/4/23	1127250	MARCO CASTILLO	\$320.00
12/4/23	1127251	CORNERSTONE HOMES	\$17.94
12/4/23	1127252	KATHY JACKSON	\$247.69
12/4/23	1127253	RUBINA VIRANI	\$7.45
12/4/23	1127254	JEANETTE DAVIS	\$24.01
12/4/23	1127255	ZACHARY CULLUM	\$14.10
12/4/23	1127256	PERRIN VILLAGE APTS	\$34.60
12/4/23	1127257	SV LATIGO PARTNERS, LLC	\$123.18
12/4/23	1127258	DOROTHY PROPERTIES, LLC	\$5.57
12/4/23	1127259	ASHKAR VICTOR	\$160.00
12/4/23	1127260	VIGEN ISAKHANYAN	\$636.30
12/4/23	1127261	SAGW LLC	\$11.24
12/4/23	1127262	TY ANDRE	\$130.34
12/4/23	1127263	BUSTARD CUSTOM CONSTRUCTION INC	\$6.58
12/4/23	1127264	JAIRO HERNANDEZ	\$82.03
12/4/23	1127265	ETHEL CAGE	\$339.02
12/4/23	1127266	KIMBERLY BRADSHAW	\$350.00
12/4/23	1127267	HUA WANG	\$487.24
12/4/23	1127268	SHONDREA DIXON	\$54.18
12/4/23	1127269	ARLINGTON 51ST ST LLC	\$448.03
12/4/23	1127270	CORINNA FALE	\$76.04
12/4/23	1127271	KRC PROPERTY MANAGEMENT I INC	\$9.55
12/4/23	1127272	ALDERWOOD MALL LLC	\$491.73
12/4/23	1127273	REAL PROPERTY MANAGEMENT NORTH PUGET	\$37.55
12/4/23	1127274	REAL PROPERTY MANAGEMENT NORTH PUGET	\$23.37
12/4/23	1127275	AUSTIN STEERE	\$135.50
12/4/23	1127276	KBHPNW LLC DBA KB HOME	\$47.55
12/4/23	1127277	IV CHARLES STAHL	\$41.55

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/5/23	1127278	VICKI KLEIN	\$32.96
12/5/23	1127279	VINTAGE HOUSING DEVELOPMENT INC	\$8.48
12/5/23	1127280	VOID	\$0.00
12/5/23	1127281	GREGORY PAYNE	\$306.77
12/5/23	1127282	MARLA RENNER	\$167.96
12/5/23	1127283	ELLIOT LABIN	\$600.00
12/5/23	1127284	OLGA BEKKER	\$37.46
12/5/23	1127285	TOBY TOBIAS	\$46.66
12/5/23	1127286	LEVI FJELLMAN	\$60.05
12/5/23	1127287	GAURAV WANI	\$433.82
12/5/23	1127288	FRAZE LLC	\$1,134.07
12/5/23	1127289	MODESTA STERNBERG	\$379.30
12/5/23	1127290	VOID	\$0.00
12/5/23	1127291	ALESIA HALOUCHYK	\$38.45
12/5/23	1127292	MCKENZIE MALLEY	\$76.76
12/5/23	1127293	JOANN ANDREWS	\$34.74
12/5/23	1127294	JADA BAER	\$188.94
12/5/23	1127295	TAMARA CALLAHAN	\$84.51
12/5/23	1127296	IH6 PROPERTY WASHINGTON LP	\$20.53
12/5/23	1127297	JR TONY KAIL	\$103.28
12/5/23	1127298	KATRINA SMITH	\$92.64
12/5/23	1127299	FRANCIS SUAREZ	\$1,004.79
12/5/23	1127300	ADENA SANDERS- ROTH	\$155.18
12/5/23	1127301	JOSE SANCHEZ	\$157.51
12/5/23	1127302	CHRISTOPHER JOHNSON	\$68.21
12/5/23	1127303	ALEKSANDRA FROLOVA	\$131.20
12/5/23	1127304	JESHURUN RICHARDS	\$91.21
12/5/23	1127305	IH6 PROPERTY WASHINGTON LP	\$17.30
12/5/23	1127306	TRACI MARTIN	\$59.88
12/6/23	1127307	MARTHA KVALHEIM	\$271.35
12/6/23	1127308	SUNIL PAI DHUNGAT	\$155.99
12/6/23	1127309	BOSA BOMARC LLC	\$107.87

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/6/23	1127310	KBHPNW LLC DBA KB HOME	\$44.77
12/6/23	1127311	HAWTHORNE AT MILL CREEK APTS	\$5.63
12/6/23	1127312	LIZA DAVID	\$34.59
12/6/23	1127313	OSCAR OVIDIO CORTEZ HERNANDEZ	\$115.92
12/6/23	1127314	CALVIN HUBBARD	\$385.04
12/6/23	1127315	HUE DONG	\$105.41
12/6/23	1127316	WALSH CONSTRUCTION COMPANY II, LLC	\$579.16
12/6/23	1127317	MADELEINE CROOKSHANK	\$17.95
12/6/23	1127318	ANTONIO DEPPEN	\$96.93
12/6/23	1127319	DMITRII SCHASTLIVYI	\$65.35
12/6/23	1127320	TAYLOR MORRISON NORTHWEST LLC	\$30.59
12/6/23	1127321	WEST EDGE DEVELOPMENT TWO LLC	\$12.33
12/6/23	1127322	BMCH WASHINGTON LLC	\$48.58
12/6/23	1127323	AUTONATION USA LYNNWOOD	\$4,119.28
12/6/23	1127324	TRI RIVERS LTD	\$13.86
12/6/23	1127325	RUBINA VIRANI	\$44.00
12/6/23	1127326	PAUL KIM	\$65.78
12/6/23	1127327	NATTIP LLC	\$304.37
12/6/23	1127328	CURTIS, CASTEEL & PALMER, PLLC	\$8.95
12/6/23	1127329	THE FARM BY VINTAGE LP	\$11.54
12/6/23	1127330	CLERMONT HOLDINGS, LLC	\$85.45
12/6/23	1127331	THEODORE CALDWELL	\$149.32
12/7/23	1127332	HEATHERWOOD APARTMENTS	\$5.30
12/7/23	1127333	SHAWN BREWER	\$125.80
12/7/23	1127334	THE FARM BY VINTAGE LP	\$3,361.14
12/7/23	1127335	GINA CUESTA	\$155.97
12/7/23	1127336	LIUBOV GAMZA	\$906.36
12/7/23	1127337	GREENCITY DEVELOPMENT LLC	\$2,023.90
12/7/23	1127338	NICHOLAS POTTER	\$310.23
12/7/23	1127339	COCINA DEL CARMEN, INC	\$16,944.54
12/7/23	1127340	J&S REALTY HOLDINGS, LLC	\$267.17
12/7/23	1127341	HEATHERWOOD APARTMENTS	\$41.55

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/7/23	1127342	MANCHEN LU	\$30.83
12/7/23	1127343	MARY JEAN OLSON	\$362.77
12/7/23	1127344	ZEE YOUNG KIM	\$18.54
12/8/23	1127345	FRG REED LLC	\$56.28
12/8/23	1127346	SOPHIA FARRAR	\$136.28
12/8/23	1127347	DAVID RINTALA	\$49.00
12/8/23	1127348	LISSETH MEDRANO DE ARIAS	\$232.74
12/8/23	1127349	ALS HIGHLANDER OWNER LLC	\$16.29
12/8/23	1127350	MARILYN STRACHAN	\$48.60
12/8/23	1127351	JEREMY CARTER	\$46.77
12/8/23	1127352	VOID	\$0.00
12/8/23	1127353	FRANK DVORAK	\$520.00
12/8/23	1127354	KATHY HOBSON	\$53.67
12/8/23	1127355	RAMKUMAR SANKARANARAYANAN	\$65.90
12/8/23	1127356	II ROBERT BOBO	\$654.18
12/8/23	1127357	TROY POTTS	\$59.91
12/8/23	1127358	OMAR SANYANG	\$69.60
12/8/23	1127359	CAROLYN BASH	\$71.94
12/8/23	1127360	ISMAEL CRUZ	\$184.00
12/8/23	1127361	BRENDON BATTON	\$36.25
Total:			\$91,514.81

Detailed Disbursement Report

Revolving Fund - Electronic Customer Refunds			
Payment Date	Payment Ref Nbr	Payee	Amount
11/27/23	000526350413	NIKKI WILSON	\$200.00
11/27/23	000526350414	TERRA WETZSTEON	\$634.00
11/27/23	000526350415	MICHELLE TAN	\$105.62
11/27/23	000526350416	SHELLEY ANDERSON	\$81.48
11/27/23	000526350425	HARLEY REYNOLDS	\$39.73
11/27/23	000526350426	BLAIR DOSIA	\$44.69
11/27/23	000526350427	ABDIWALI ABDI	\$118.17
11/27/23	000526350428	MCKENZIE FULTON	\$27.52
11/27/23	000526350429	NIKITA RYSIKOV	\$71.96
11/27/23	000526350430	RICHARD MILLER	\$153.98
11/27/23	000526350431	NIKITA RYSIKOV	\$16.61
11/27/23	000526350432	DANIEL ISTRATIE	\$22.59
11/27/23	000526350433	LINDSAY VILLALOBOS	\$36.64
11/27/23	000526350434	TIFFANY RODRIGUEZ	\$42.61
11/27/23	000526350435	DARYN ENGLISH	\$83.93
11/27/23	000526350436	PRAVEEN GUNDEMONI	\$90.10
11/27/23	000526350437	JAMES CHAVEZ	\$633.44
11/27/23	000526350438	JAMES CHAVEZ	\$79.18
11/27/23	000526350439	JAMES CHAVEZ	\$158.36
11/27/23	000526350440	JAMES CHAVEZ	\$316.72
11/27/23	000526350441	YEKATERINA S ODARYUK	\$207.70
11/29/23	000526382773	OLEKSANDRA LEVADNA	\$71.51
11/29/23	000526382774	JAY DURAN	\$42.55
11/29/23	000526382775	ENGLAND JONES	\$83.35
11/29/23	000526382776	LILY PIERARD	\$108.18
11/29/23	000526382777	KARLA RIVERA ALARCON	\$52.18
11/29/23	000526382778	VICKI PEREA-MCINTYRE	\$41.34
11/29/23	000526382779	DYANNA REESE	\$8.72
11/29/23	000526382780	DARYL WILLIAMS JR	\$18.38
11/29/23	000526382781	JAYASEKHAR TALASILA	\$110.82
11/29/23	000526382782	JULIA HARLEY	\$7.95
11/29/23	000526382783	TOD FISCUS	\$433.61

Detailed Disbursement Report

Revolving Fund - Electronic Customer Refunds			
Payment Date	Payment Ref Nbr	Payee	Amount
11/29/23	000526382784	TODD SOLBERG	\$55.00
11/29/23	000526382785	ANDREW SHAENER	\$223.02
11/29/23	000526382786	NICOLE STIEGLER	\$67.95
11/29/23	000526382787	PATRICK TIERNAN	\$104.97
11/29/23	000526382788	GEORGE HAGLUND	\$61.43
11/29/23	000526382789	ANNABELLE NYERS	\$133.34
11/29/23	000526382790	THE TORSET TEAM LLC	\$180.35
12/1/23	000526401532	DERRELL BORIS	\$105.05
12/1/23	000526401533	DUSTIN RIPLEY	\$128.55
12/1/23	000526401534	PHUC PHAM	\$464.99
12/1/23	000526401535	GABE TAYLOR	\$49.78
12/1/23	000526401536	BROCK MARTIN	\$203.31
12/1/23	000526401537	DEVIN ERWIN	\$62.24
12/4/23	000526415197	JOSHUA PETERSEN	\$62.67
12/4/23	000526415198	COLIN MACKENZIE	\$134.85
12/4/23	000526415199	INEZ HENDRICKSON	\$152.72
12/4/23	000526415200	CHRISTIAN TRUNELL	\$148.43
12/4/23	000526415201	RANGEL LEITE	\$24.34
12/4/23	000526415202	COLIN MACKENZIE	\$155.72
12/4/23	000526415203	MATTHEW WOODS	\$43.38
12/4/23	000526415204	MATTHEW WOODS	\$69.92
12/4/23	000526415205	ERIN FITZGERALD	\$24.13
12/4/23	000526415206	CHRISTIAN TRUNELL	\$57.75
12/4/23	000526415207	COLIN MACKENZIE	\$115.72
12/4/23	000526415208	FELIPE PEDROSO	\$169.95
12/4/23	000526415209	NICOLE KING	\$138.99
12/4/23	000526415210	ALEXANDER MILLER	\$103.74
12/4/23	000526415211	DEIDRE GRABKE	\$18.63
12/4/23	000526415212	FELIPE PEDROSO	\$69.37
12/4/23	000526415213	ROBIN MUDGE	\$24.42
12/4/23	000526415214	LEOJIK KANNATHARA	\$15.82
12/4/23	000526415215	JESSE ETCHEY	\$264.79

Detailed Disbursement Report

Revolving Fund - Electronic Customer Refunds			
Payment Date	Payment Ref Nbr	Payee	Amount
12/4/23	000526415216	ABDULBAKI AYDIN	\$44.50
12/4/23	000526415217	JONATHAN PRICE	\$262.99
12/6/23	000526435585	OTEIKA GORDON	\$120.00
12/6/23	000526435586	EUREKA MCCRAE	\$33.94
12/6/23	000526435587	BRANDON PORTER	\$200.98
12/6/23	000526435588	TIFFANY WELLMAN	\$148.16
12/6/23	000526435589	ROBERT BOYD	\$233.00
12/6/23	000526435590	JULIA REARDON	\$206.38
12/6/23	000526435591	CALLIE PANZA	\$33.52
12/6/23	000526435592	BAO LAM	\$351.54
12/6/23	000526435593	BAO LAM	\$117.18
12/6/23	000526435594	KRYSTAL RIVERA	\$125.40
12/8/23	000526454435	TRUSTIN VALENCIA	\$195.12
12/8/23	000526454436	CHRISTIAN TRUNELL	\$12.32
12/8/23	000526454437	KIMBERLY ROSENSPRUNG	\$1,528.64
Total:			\$11,392.61

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
11/28/23	8076070	AECOM TECHNICAL SERVICES INC	\$6,540.22
11/28/23	8076071	APERTA INC	\$9,941.24
11/28/23	8076072	CAMANO WATER ASSN	\$173.30
11/28/23	8076073	COMCAST HOLDING CORPORATION	\$483.34
11/28/23	8076074	CITY OF DARRINGTON	\$5,971.16
11/28/23	8076075	D HITTLE & ASSOCIATES INC	\$2,154.33
11/28/23	8076076	DIGI-KEY CORP	\$1,156.48
11/28/23	8076077	ENERSYS INC	\$6,224.74
11/28/23	8076078	CITY OF EVERETT	\$4,951.75
11/28/23	8076079	GLOBAL RENTAL COMPANY INC	\$7,218.10
11/28/23	8076080	CITY OF GOLD BAR	\$8,176.63
11/28/23	8076081	CITY OF GOLD BAR	\$435.38
11/28/23	8076082	CORE & MAIN LP	\$2,881.58
11/28/23	8076083	IRON MOUNTAIN QUARRY LLC	\$5,422.78
11/28/23	8076084	LANGUAGE LINE SERVICES INC	\$8,286.54
11/28/23	8076085	LEXISNEXIS RISK DATA MANAGEMENT INC	\$219.80
11/28/23	8076086	CITY OF LYNNWOOD	\$849.02
11/28/23	8076087	CITY OF MARYSVILLE	\$155,484.28
11/28/23	8076088	CITY OF MARYSVILLE	\$67.93
11/28/23	8076089	CITY OF MOUNTLAKE TERRACE	\$59,129.43
11/28/23	8076090	GENUINE PARTS COMPANY	\$1,627.18
11/28/23	8076091	SIX ROBBLEES INC	\$58.45
11/28/23	8076092	SOUND PUBLISHING INC	\$305.76
11/28/23	8076093	CITY OF SULTAN	\$24,307.54
11/28/23	8076094	TALLEY INC	\$618.36
11/28/23	8076095	UNIVERSAL LANGUAGE SERVICE INC	\$44.05
11/28/23	8076096	STATE OF WASHINGTON	\$588.09
11/28/23	8076097	WAGNER SMITH EQUIPMENT CO	\$1,291.12
11/28/23	8076098	WESCO GROUP INC	\$1,881.84
11/28/23	8076099	VALMONT COMPOSITE STRUCTURES INC	\$12,720.00
11/28/23	8076100	ALDERWOOD WATER & WASTEWATER DISTRI	\$93.28
11/28/23	8076101	CITY OF ARLINGTON	\$121,184.38

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
11/28/23	8076102	BICKFORD MOTORS INC	\$2,249.25
11/28/23	8076103	CITY OF BOTHELL	\$102,301.80
11/28/23	8076104	CITY OF BRIER	\$14,165.77
11/28/23	8076105	CINTAS CORPORATION NO 2	\$54.40
11/28/23	8076106	CROSS VALLEY WATER DISTRICT	\$133.80
11/28/23	8076107	DIRECTV ENTERTAINMENT HOLDINGS LLC	\$175.24
11/28/23	8076108	CITY OF EDMONDS	\$125,048.37
11/28/23	8076109	EMERALD SERVICES INC	\$694.52
11/28/23	8076110	JEFFREY HATHAWAY	\$70.23
11/28/23	8076111	CITY OF INDEX	\$612.92
11/28/23	8076112	CITY OF LAKE STEVENS	\$97,922.42
11/28/23	8076113	CITY OF LAKE STEVENS	\$45,002.65
11/28/23	8076114	CITY OF MONROE	\$71,742.98
11/28/23	8076115	SKOTDAL MUTUAL LLC	\$226.60
11/28/23	8076116	SNOHOMISH COUNTY	\$32,918.97
11/28/23	8076117	PUBLIC UTILITY DIST NO 1 OF	\$3,475.22
11/28/23	8076118	SPRINGBROOK NURSERY AND TRUCKING IN	\$353.09
11/28/23	8076119	CITY OF STANWOOD	\$27,382.79
11/28/23	8076120	WELLSPRING FAMILY SERVICES	\$3,152.80
11/28/23	8076121	TOWN OF WOODWAY	\$4,552.22
11/28/23	8076122	WESTERN PACIFIC CRANE & EQUIP LLC	\$17,259.98
11/28/23	8076123	WYNNE AND SONS INC	\$375.86
11/28/23	8076124	CITY OF GRANITE FALLS	\$13,970.45
11/28/23	8076125	ACHILLES USA INC	\$10,000.00
11/28/23	8076126	CROWN CASTLE INTERNATIONAL CORP	\$7,188.64
11/28/23	8076127	KAISER FOUNDATION HEALTH PLAN OF WA	\$2,251.88
11/28/23	8076128	CITY OF EVERETT	\$551,835.03
11/28/23	8076129	PNG MEDIA LLC	\$708.64
11/28/23	8076130	VERTIV CORPORATION	\$6,950.63
11/28/23	8076131	OCCUPATIONAL HEALTH CENTERS OF WA P	\$278.50
11/28/23	8076132	SNOHOMISH COUNTY 911	\$1,154.86
11/28/23	8076133	PERFORMANCE VALIDATON INC	\$2,340.00

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
11/28/23	8076134	CUSTOM TRUCK ONE SOURCE LP	\$6,837.54
11/28/23	8076135	KENDALL DEALERSHIP HOLDINGS LLC	\$220.59
11/28/23	8076136	ACCESS INFO INTERMEDIATE HLDNG I LL	\$449.76
11/28/23	8076137	ACCESS INFO INTERMEDIATE HLDNG I LL	\$4,009.14
11/28/23	8076138	FERGUSON ENTERPRISES LLC	\$332.49
11/28/23	8076139	TCF ARCHITECTURE PLLC	\$17,930.00
11/28/23	8076140	LEVEL 3 FINANCING INC	\$1,996.06
11/28/23	8076141	LIVEVIEW TECHNOLOGIES INC	\$5,725.80
11/28/23	8076142	INCENTIVE REBATE 360 LLC	\$325.98
11/28/23	8076143	MICHAEL SANOM COMMUNICATIONS INC	\$9,000.00
11/28/23	8076144	DELTA INDUSTRIES INC	\$16,539.78
11/28/23	8076145	UNITED RENTALS NORTH AMERICA INC	\$12,867.00
11/28/23	8076146	PARKMAN & WILKEN LLC	\$383.76
11/28/23	8076147	RUBEN WILLIAM TRUJILLO	\$700.00
11/28/23	8076148	LUISANA HERNANDEZ	\$730.28
11/28/23	8076149	DARYL JAN HABICH ESTATE	\$17,500.00
11/28/23	8076150	JESSICA V MARQUEZ	\$450.00
11/28/23	8076151	ALLAN B CLARK	\$1,000.00
11/28/23	8076152	THE BARTELL DRUG COMPANY	\$38.87
11/28/23	8076153	GB ENTERPRISES OF WASHINGTON LLC	\$744.00
11/28/23	8076154	GRANITE CONSTRUCTION COMPANY	\$315.52
11/28/23	8076155	CITY OF LYNNWOOD	\$160,353.44
11/28/23	8076156	MASCOTT EQUIPMENT CO INC	\$3,746.74
11/28/23	8076157	CITY OF MUKILTEO	\$71,877.57
11/28/23	8076158	CITY OF SNOHOMISH	\$34,607.60
11/28/23	8076159	VALENTINE ROOFING INC	\$857.50
11/30/23	8076160	NATURAL 9 HOLDINGS, LLC	\$28,909.94
11/30/23	8076161	MSR SERENE HOMES LLC	\$3,849.29
11/30/23	8076162	BRANDON HENSON	\$275.00
11/30/23	8076163	RYAN ROBISON	\$275.00
11/30/23	8076164	COMCAST HOLDING CORPORATION	\$374.16
11/30/23	8076165	CONTECH ENGINEERED SOLUTIONS INC	\$230.00

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
11/30/23	8076166	GLOBAL RENTAL COMPANY INC	\$10,478.07
11/30/23	8076167	CORE & MAIN LP	\$338.60
11/30/23	8076168	GENUINE PARTS COMPANY	\$196.38
11/30/23	8076169	PUBLIC POWER COUNCIL	\$5,000.00
11/30/23	8076170	SCADA AND CONTROLS ENGINEERING INC	\$4,420.00
11/30/23	8076171	CITY OF SEATTLE	\$26,390.00
11/30/23	8076172	SIX ROBBLEES INC	\$76.57
11/30/23	8076173	STATE OF WASHINGTON	\$11,033.42
11/30/23	8076174	DOBBS HEAVY DUTY HOLDINGS LLC	\$341.48
11/30/23	8076175	VALMONT COMPOSITE STRUCTURES INC	\$6,675.00
11/30/23	8076176	ALDERWOOD WATER & WASTEWATER DISTRI	\$85.16
11/30/23	8076177	BICKFORD MOTORS INC	\$481.80
11/30/23	8076178	CONSORTIUM FOR ENERGY	\$20,000.00
11/30/23	8076179	EQUIPMENT SALES COMPANY INC	\$1,602.34
11/30/23	8076180	EDS MCDUGALL LLC	\$765.00
11/30/23	8076181	NORTH STAR COLD STORAGE INC	\$167,894.23
11/30/23	8076182	NORTHWEST TOWER ENGINEERING PLLC	\$1,480.00
11/30/23	8076183	SPRINGBROOK NURSERY AND TRUCKING IN	\$25.89
11/30/23	8076184	WASHINGTON STATE DEPT OF AGRICULTUR	\$50.00
11/30/23	8076185	SHANNON & WILSON INC	\$490.00
11/30/23	8076186	LAMAR TEXAS LTD PARTNERSHIP	\$6,220.00
11/30/23	8076187	THE PAPE GROUP INC	\$18,390.82
11/30/23	8076188	WILLDAN ENERGY SOLUTIONS INC	\$2,224.24
11/30/23	8076189	BCC SOFTWARE LLC	\$3,836.17
11/30/23	8076190	BELL & HOWELL GROUP HOLDINGS LLC	\$55,835.60
11/30/23	8076191	PERFORMANCE VALIDATON INC	\$3,240.00
11/30/23	8076192	SUNBELT CONTROLS INC	\$15,387.94
11/30/23	8076193	WCP SPECIAL CORE PLUS FUND LP	\$190,000.00
11/30/23	8076194	ASM AFFILIATES	\$1,200.00
11/30/23	8076195	SCOTT BALSLEY	\$1,295.00
11/30/23	8076196	FORTERRA NW	\$3,218.75
11/30/23	8076197	EMERGENT DEVICES INC	\$540.71

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
11/30/23	8076198	RODDAN INDUSTRIAL	\$46,158.00
11/30/23	8076199	ROGER BELL REAL ESTATE HOLDINGS	\$18,000.00
11/30/23	8076200	MICROCHIP TECHNOLOGY INC	\$4,780.21
11/30/23	8076201	NORTHWEST FIBER LLC	\$6,811.90
11/30/23	8076202	CITY OF LYNNWOOD	\$1,000.00
11/30/23	8076203	FOREVER GREEN INDOORS INC	\$44,666.54
11/30/23	8076204	MARY WICKLUND	\$14.30
12/5/23	8076205	PACIFIC RIDGE - DRH, LLC	\$3,273.80
12/5/23	8076206	T-MOBILE WEST LLC	\$18,083.21
12/5/23	8076207	RMH LLC	\$5,590.50
12/5/23	8076208	INLAND WASHINGTON LLC	\$30,514.68
12/5/23	8076209	EVERGREEN STATE FAIRGROUNDS	\$6,203.41
12/5/23	8076210	AT&T CORP	\$147,388.98
12/5/23	8076211	COMCAST HOLDING CORPORATION	\$158.71
12/5/23	8076212	D HITTLE & ASSOCIATES INC	\$13,483.16
12/5/23	8076213	CITY OF EVERETT	\$3,352.24
12/5/23	8076214	GLOBAL RENTAL COMPANY INC	\$6,832.40
12/5/23	8076215	CORE & MAIN LP	\$4,289.43
12/5/23	8076216	INSTITUTE OF ELECTRL & ELECTRONICS	\$6,797.26
12/5/23	8076217	GENUINE PARTS COMPANY	\$1,713.40
12/5/23	8076218	OLYMPIC VIEW WATER SEWER	\$128.00
12/5/23	8076219	PUGET SOUND ENERGY INC	\$8,594.20
12/5/23	8076220	SIX ROBBLEES INC	\$475.74
12/5/23	8076221	SOUND SECURITY INC	\$1,194.58
12/5/23	8076222	THE BOEING COMPANY	\$904,202.76
12/5/23	8076223	WESCO GROUP INC	\$527.63
12/5/23	8076224	INDUSTRIAL SERVICE SOLUTIONS LLC	\$5,236.85
12/5/23	8076225	BICKFORD MOTORS INC	\$1,698.80
12/5/23	8076226	CITY OF BOTHELL	\$680.99
12/5/23	8076227	CITY OF BOTHELL	\$127.68
12/5/23	8076228	CITY OF BOTHELL	\$297.93
12/5/23	8076229	CITY OF BRIER	\$273.00

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
12/5/23	8076230	THE HO SEIFFERT COMPANY	\$3,685.00
12/5/23	8076231	RYAN SCOTT FELTON	\$569.98
12/5/23	8076232	GARY D KREIN	\$769.30
12/5/23	8076233	RODLAND MOTOR COMPANY	\$225.78
12/5/23	8076234	SNOHOMISH COUNTY	\$103.00
12/5/23	8076235	SNOHOMISH HEALTH DISTRICT	\$430.00
12/5/23	8076236	SPRINGBROOK NURSERY AND TRUCKING IN	\$326.38
12/5/23	8076237	WILLIAMS SCOTSMAN INC	\$257.66
12/5/23	8076238	EMDEX LLC	\$325.72
12/5/23	8076239	COMCAST CORPORATION	\$514.06
12/5/23	8076240	CASCADE COLLISION CENTER INC	\$6,799.96
12/5/23	8076241	MOTION & FLOW CONTROL PRODUCTS INC	\$255.66
12/5/23	8076242	THE PAPE GROUP INC	\$16,372.22
12/5/23	8076243	CITY OF EVERETT	\$160.00
12/5/23	8076244	NORTHWEST FIBER LLC	\$15,348.88
12/5/23	8076245	BHC CONSULTANTS LLC	\$16,468.63
12/5/23	8076246	RELIANCE STEEL & ALUMINIUM CO	\$29,098.80
12/5/23	8076247	KENDALL DEALERSHIP HOLDINGS LLC	\$8,018.13
12/5/23	8076248	BURTON CONSTRUCTION INC	\$454,747.60
12/5/23	8076249	THE PAPE GROUP	\$1,899.96
12/5/23	8076250	OTIERNEY COMPANIES LLC	\$1,067.44
12/5/23	8076251	BLACK & VEATCH CORP	\$8,936.25
12/5/23	8076252	NATIONAL TRENCH SAFETY INC	\$164.85
12/5/23	8076253	THE WILLIAMS COMPANIES INC	\$21,250.00
12/5/23	8076254	ARROW INSULATION INC	\$1,070.00
12/5/23	8076255	ENERGY MANAGEMENT COLLABORATIVE LLC	\$19,300.01
12/5/23	8076256	GLASS BY LUND INC	\$2,062.50
12/7/23	8076257	PACIFIC RIDGE - DRH, LLC	\$14,498.80
12/7/23	8076258	COMCAST	\$3,173.59
12/7/23	8076259	MCIMETRO ACCESS TRANS. SERV. CO	\$42,827.18
12/7/23	8076260	LOGAN PLAT LLC	\$681.63
12/7/23	8076261	AXIOM NORTHWEST CONSTRUCTION	\$18,189.84

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
12/7/23	8076262	MEADOW RUN, LLC	\$4,426.97
12/7/23	8076263	VLADIMIR L MONICH	\$3,391.75
12/7/23	8076264	WHISKEY RIDGE, LLC	\$8,112.67
12/7/23	8076265	ARGUS PACIFIC INC	\$3,535.00
12/7/23	8076266	CLATSKANIE PEOPLES UTILITY DISTRICT	\$20,736.00
12/7/23	8076267	MUKILTEO WATER & WASTEWATER DIST	\$233.43
12/7/23	8076268	GENUINE PARTS COMPANY	\$257.23
12/7/23	8076269	NORTHWEST ENERGY EFFICIENCY COUNCIL	\$4,600.00
12/7/23	8076270	REPUBLIC SERVICES INC	\$397.37
12/7/23	8076271	REPUBLIC SERVICES INC	\$320.39
12/7/23	8076272	REPUBLIC SERVICES INC	\$303.73
12/7/23	8076273	PUBLIC UTILITY DISTRICT NO 1 OF	\$5,231.43
12/7/23	8076274	SOUND PUBLISHING INC	\$329.28
12/7/23	8076275	SNOHOMISH COUNTY SOCIETY OF	\$6,755.52
12/7/23	8076276	WAGNER SMITH EQUIPMENT CO	\$432.07
12/7/23	8076277	DOBBS HEAVY DUTY HOLDINGS LLC	\$644.79
12/7/23	8076278	VALMONT COMPOSITE STRUCTURES INC	\$11,570.00
12/7/23	8076279	BICKFORD MOTORS INC	\$1,057.50
12/7/23	8076280	DIRECTV ENTERTAINMENT HOLDINGS LLC	\$209.98
12/7/23	8076281	ERGOGENESIS WORKPLACE SOLUTIONS LLC	\$1,635.69
12/7/23	8076282	ARAMARK UNIFORM & CAREER APPAREL GR	\$4,867.15
12/7/23	8076283	AG ENTERPRISE SUPPLY INC	\$3,223.16
12/7/23	8076284	SNOHOMISH COUNTY 911	\$1,154.86
12/7/23	8076285	BELL & HOWELL GROUP HOLDINGS LLC	\$5,659.85
12/7/23	8076286	JENNIFER DARLENE WENZEL	\$757.34
12/7/23	8076287	EIS INTERMEDIATE HOLDINGS LLC	\$664.46
12/7/23	8076288	KENDALL DEALERSHIP HOLDINGS LLC	\$80.53
12/7/23	8076289	THE PAPE GROUP	\$18.14
12/7/23	8076290	BACKFLOWS NORTHWEST INC	\$110.00
12/7/23	8076291	SHINN MECHANICAL INC	\$192,377.45
12/7/23	8076292	FORTERRA NW	\$4,432.50
12/7/23	8076293	TECH SAFETY LINES INC	\$3,222.43

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
12/7/23	8076294	RH ALDERWOOD BC ASSOCIATES LLC	\$8,934.50
12/7/23	8076295	NORTHWEST FIBER LLC	\$678.36
12/7/23	8076296	JONATHAN EBERT	\$10,000.00
12/7/23	8076297	BRENNAN HEATING & AC LLC	\$2,650.00
Total:			\$4,854,865.20

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
11/27/23	6042571	ALS GROUP USA CORP	\$4,600.00
11/27/23	6042572	ASPLUNDH TREE EXPERT LLC	\$34,611.46
11/27/23	6042573	COMMERCIAL FILTER SALES & SERVICE	\$325.45
11/27/23	6042574	CONSOLIDATED ELECTRICAL DISTRIBUTOR	\$38,449.07
11/27/23	6042575	DEXSIL CORP	\$228.40
11/27/23	6042576	HOWARD INDUSTRIES INC	\$89,071.76
11/27/23	6042577	JACO ANALYTICAL LAB INC	\$1,458.00
11/27/23	6042578	KUBRA DATA TRANSFER LTD	\$38,567.14
11/27/23	6042579	MR TRUCK WASH INC	\$5,377.95
11/27/23	6042580	NELSON DISTRIBUTING INC	\$11,561.01
11/27/23	6042581	NORTH COAST ELECTRIC COMPANY	\$2,401.45
11/27/23	6042582	NORTHSTAR CHEMICAL INC	\$3,164.46
11/27/23	6042583	NW SUBSURFACE WARNING SYSTEM	\$6,452.58
11/27/23	6042584	ON HOLD CONCEPTS INC	\$234.70
11/27/23	6042585	PETROCARD INC	\$168,237.01
11/27/23	6042586	PTC INC	\$621.88
11/27/23	6042587	RWC INTERNATIONAL LTD	\$311.03
11/27/23	6042588	SCHWEITZER ENGINEERING LAB INC	\$1,808.51
11/27/23	6042589	SEATTLE TIMES COMPANY	\$1,667.00
11/27/23	6042590	SHI INTERNATIONAL CORP	\$221.20
11/27/23	6042591	TOPSOILS NORTHWEST INC	\$1,164.42
11/27/23	6042592	GORDON TRUCK CENTERS INC	\$641.18
11/27/23	6042593	WW GRAINGER INC	\$187.62
11/27/23	6042594	BACKGROUND INFORMATION SERVICES INC	\$935.96
11/27/23	6042595	BRAKE & CLUTCH SUPPLY INC	\$1,884.98
11/27/23	6042596	CELLCO PARTNERSHIP	\$1,772.57
11/27/23	6042597	DUNLAP INDUSTRIAL HARDWARE INC	\$167.05
11/27/23	6042598	EDGE ANALYTICAL INC	\$496.00
11/27/23	6042599	GENERAL PACIFIC INC	\$86,779.20
11/27/23	6042600	KATRINA MARIE HECIMOVIC	\$5,000.00
11/27/23	6042601	KEMP WEST INC	\$203,458.17
11/27/23	6042602	LENZ ENTERPRISES INC	\$461.40

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
11/27/23	6042603	MT HOOD FASTENER CO	\$1,364.79
11/27/23	6042604	ELECTRICAL TRAINING ALLIANCE	\$1,584.00
11/27/23	6042605	NORTHWEST CASCADE INC	\$4,006.00
11/27/23	6042606	OPEN ACCESS TECHNOLOGY INTL INC	\$872.06
11/27/23	6042607	BEN-KO-MATIC CO	\$3,552.62
11/27/23	6042608	PACO VENTURES LLC	\$4,493.44
11/27/23	6042609	RICHARDSON BOTTLING COMPANY	\$8.74
11/27/23	6042610	LOUIS F MATHESON CONSTRUCTION INC	\$3,254.52
11/27/23	6042611	ROHLINGER ENTERPRISES INC	\$6,508.20
11/27/23	6042612	SENSUS USA INC	\$272,381.38
11/27/23	6042613	SOUND SAFETY PRODUCTS CO INC	\$1,253.43
11/27/23	6042614	TOTAL LANDSCAPE CORP	\$641.48
11/27/23	6042615	GRAYBAR ELECTRIC CO INC	\$10,072.68
11/27/23	6042616	ALTEC INDUSTRIES INC	\$1,864.84
11/27/23	6042617	ANIXTER INC	\$62,380.11
11/27/23	6042618	GRAVITEC SYSTEMS INC	\$19,052.00
11/27/23	6042619	SEATTLE NUT & BOLT LLC	\$348.91
11/27/23	6042620	ARC DOCUMENT SOLUTIONS LLC	\$629.66
11/27/23	6042621	ICONIX WATERWORKS INC	\$1,571.33
11/27/23	6042622	ANDREW JORDAN HARPER	\$1,308.38
11/27/23	6042623	RESOURCE INNOVATIONS INC	\$243,640.26
11/27/23	6042624	ARNETT INDUSTRIES LLC	\$6,599.68
11/27/23	6042625	ROLLUDA ARCHITECTS	\$2,302.64
11/27/23	6042626	K&D SERVICES INC	\$19,837.58
11/27/23	6042627	SHERELLE GORDON	\$36,915.78
11/27/23	6042628	FACILITY PLANNING SERVICES LLC	\$9,985.00
11/27/23	6042629	FLEET SERVICE VEHICLE REPAIR LLC	\$303.62
11/27/23	6042630	DIAMOND VOGEL INC	\$1,134.45
11/27/23	6042631	USIC HOLDINGS INC	\$52,693.34
11/27/23	6042632	BORDER STATES INDUSTRIES INC	\$1,703.36
11/27/23	6042633	ALAN L MONSON	\$1,152.85
11/27/23	6042634	MARIAN DACCA PUBLIC AFFAIRS LLC	\$6,800.00

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
11/27/23	6042635	ZONES IT SOLUTIONS INC	\$657.72
11/27/23	6042636	SCI NETWORKS USA	\$41,930.00
11/27/23	6042637	LUCI CREATIVE LLC	\$7,496.00
11/27/23	6042638	BREEZE FREE INC	\$1,000.00
11/27/23	6042639	AA REMODELING LLC	\$700.00
11/27/23	6042640	STILLWATER ENERGY LLC	\$21,610.00
11/27/23	6042641	JACQUELINE ENGSTROM	\$99.56
11/28/23	6042642	AUTOMATED ENERGY INC	\$720.00
11/28/23	6042643	FASTENAL COMPANY	\$205.51
11/28/23	6042644	IVOXY CONSULTING INC	\$2,570.96
11/28/23	6042645	STELLAR INDUSTRIAL SUPPLY INC	\$413.01
11/28/23	6042646	TESSCO INCORPORATED	\$7,109.71
11/28/23	6042647	TULLETT PREBON AMERICAS CORP	\$21,081.60
11/28/23	6042648	UNITED PARCEL SERVICE	\$79.06
11/28/23	6042649	WASTE MANAGEMENT OF WASHINGTON INC	\$6,166.00
11/28/23	6042650	WEST COAST PAPER CO	\$3,056.10
11/28/23	6042651	WETLAND RESOURCES INC	\$5,700.00
11/28/23	6042652	WILLIAMS SCOTSMAN INC	\$1,237.24
11/28/23	6042653	AARD PEST CONTROL INC	\$283.54
11/28/23	6042654	GENERAL PACIFIC INC	\$14,502.40
11/28/23	6042655	LENZ ENTERPRISES INC	\$150.20
11/28/23	6042656	NORTHWEST CASCADE INC	\$2,666.50
11/28/23	6042657	PACIFIC MOBILE STRUCTURES INC	\$2,210.06
11/28/23	6042658	POWER ENGINEERS INC	\$23,991.74
11/28/23	6042659	SNOHOMISH COUNTY	\$37,222.41
11/28/23	6042660	ALTEC INDUSTRIES INC	\$2,488.47
11/28/23	6042661	ANIXTER INC	\$19,875.20
11/28/23	6042662	ROADPOST USA INC	\$1,314.00
11/28/23	6042663	SEATTLE NUT & BOLT LLC	\$1,250.11
11/28/23	6042664	FABER CONSTRUCTION CORP	\$1,848,940.66
11/28/23	6042665	Z2SOLUTIONS LLC	\$7,150.00
11/28/23	6042666	REXEL USA INC	\$1,477.37

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
11/28/23	6042667	CURTIS A SMITH	\$7,762.24
11/28/23	6042668	TWILIO INC	\$4,392.33
11/28/23	6042669	MAPBOX INC	\$413.00
11/28/23	6042670	DC GROUP INC	\$1,569.38
11/28/23	6042671	AINSWORTH INC	\$5,924.63
11/28/23	6042672	B2T SOLUTIONS LLC	\$9,200.28
11/28/23	6042673	SYNOPTIC DATA PBC	\$1,750.00
11/28/23	6042674	OXBOW LLC	\$18,900.00
11/28/23	6042675	CM AIR PROS LLC	\$1,650.00
11/28/23	6042676	DANA POLLOW	\$41.92
11/28/23	6042677	JASON ZYSKOWSKI	\$89.10
11/28/23	6042678	JEFFREY KALLSTROM	\$194.50
11/28/23	6042679	PHILIP SCOUGALE	\$155.87
11/28/23	6042680	WENDY VLAHOVICH	\$2,087.99
11/28/23	6042681	GARRISON MARR	\$1,018.21
11/28/23	6042682	JACOB DUNN	\$1,955.35
11/29/23	6042683	CONSOLIDATED ELECTRICAL DISTRIBUTOR	\$16,446.10
11/29/23	6042684	HOWARD INDUSTRIES INC	\$44,482.03
11/29/23	6042685	MOTOR TRUCKS INTL & IDEALEASE INC	\$6,245.90
11/29/23	6042686	PITNEY BOWES PRESORT SERVICES LLC	\$250.09
11/29/23	6042687	SISKUN INC	\$2,227.94
11/29/23	6042688	STELLAR INDUSTRIAL SUPPLY INC	\$5,941.44
11/29/23	6042689	WW GRAINGER INC	\$109.67
11/29/23	6042690	DICKS TOWING INC	\$347.42
11/29/23	6042691	ENERGY NORTHWEST	\$57,211.00
11/29/23	6042692	LENZ ENTERPRISES INC	\$428.40
11/29/23	6042693	POWER ENGINEERS INC	\$7,144.85
11/29/23	6042694	LOUIS F MATHESON CONSTRUCTION INC	\$5,304.45
11/29/23	6042695	SEATTLE AUTOMOTIVE DISTRIBUTING INC	\$211.22
11/29/23	6042696	SENSUS USA INC	\$43,273.13
11/29/23	6042697	SOUND SAFETY PRODUCTS CO INC	\$2,043.62
11/29/23	6042698	WALTER E NELSON CO OF WESTERN WA	\$5,663.37

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
11/29/23	6042699	ALTEC INDUSTRIES INC	\$343.16
11/29/23	6042700	SEMAPHORE CORP	\$3,093.75
11/29/23	6042701	MICHAEL NASH	\$15,760.18
11/29/23	6042702	FASTMAN INC	\$8,085.10
11/29/23	6042703	FLEET SERVICE VEHICLE REPAIR LLC	\$621.40
11/29/23	6042704	DC GROUP INC	\$5,045.59
11/29/23	6042705	HOUGH BECK & BAIRD INC	\$405.08
11/29/23	6042706	LUCI CREATIVE LLC	\$5,673.25
11/29/23	6042707	REFINED CONSULTING GROUP	\$1,650.00
11/29/23	6042708	JEFFERY JEWELL	\$175.00
11/29/23	6042709	SIRENA FOTHERGILL	\$1,625.68
11/30/23	6042710	ASPLUNDH TREE EXPERT LLC	\$33,347.66
11/30/23	6042711	NORTHWEST POWER POOL CORP	\$14,818.71
11/30/23	6042712	ROBERT HALF INTERNATIONAL INC	\$10,295.82
11/30/23	6042713	GORDON TRUCK CENTERS INC	\$197.14
11/30/23	6042714	OTC GLOBAL HOLDINGS LP	\$685.50
11/30/23	6042715	OTC GLOBAL HOLDINGS LP	\$1,431.25
11/30/23	6042716	THE COMPLETE LINE LLC	\$1,811.15
11/30/23	6042717	CONFLUENCE ENGINEERING GROUP LLC	\$11,884.50
11/30/23	6042718	EDGE ANALYTICAL INC	\$216.00
11/30/23	6042719	GENERAL PACIFIC INC	\$3,972.89
11/30/23	6042720	SENSUS USA INC	\$27,692.35
11/30/23	6042721	ZIPPER GEO ASSOCIATES LLC	\$7,013.86
11/30/23	6042722	THE FAB SHOP LLC	\$949.16
11/30/23	6042723	UNITED RENTALS NORTH AMERICA INC	\$14,956.62
11/30/23	6042724	GRAYBAR ELECTRIC CO INC	\$2,775.58
11/30/23	6042725	ALTEC INDUSTRIES INC	\$12,256.36
11/30/23	6042726	ANIXTER INC	\$12,990.18
11/30/23	6042727	MALLORY SAFETY AND SUPPLY LLC	\$840.11
11/30/23	6042728	ARC DOCUMENT SOLUTIONS LLC	\$6,509.48
11/30/23	6042729	TRAFFIC CONTROL PLAN CO OF WA LLC	\$175.00
11/30/23	6042730	REXEL USA INC	\$1,229.96

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Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
11/30/23	6042731	INFOSOL INC	\$19,912.50
11/30/23	6042732	HARNISH GROUP INC	\$1,239.12
11/30/23	6042733	BANK OF AMERICA NA	\$313,699.04
11/30/23	6042734	GLASS FIX LLC	\$2,015.57
11/30/23	6042735	LIVEVIEW TECHNOLOGIES INC	\$11,396.90
11/30/23	6042736	COZY HEATING INC	\$1,650.00
11/30/23	6042737	CM AIR PROS LLC	\$4,300.00
11/30/23	6042738	HOME COMFORT ALLIANCE LLC	\$1,650.00
11/30/23	6042739	DANA POLLOW	\$383.56
11/30/23	6042740	DIRK SOBOTA	\$175.00
11/30/23	6042741	SHELLEY PATTISON	\$1,363.78
11/30/23	6042742	KEVIN LAVERING	\$1,269.54
11/30/23	6042743	BLAIR ANDERSON	\$183.62
11/30/23	6042744	BRYAN GREGORY	\$155.87
11/30/23	6042745	AARON SWANEY	\$2,135.72
11/30/23	6042746	KEVIN PRESLER	\$1,741.87
11/30/23	6042747	JOEL FARIES	\$136.00
11/30/23	6042748	RICHARD ROSENKILDE	\$587.10
11/30/23	6042749	MATTHEW ZYSKOWSKI	\$982.40
11/30/23	6042750	RYDAR HAUGEN	\$125.25
11/30/23	6042751	DEEPA SHIVNANI	\$1,801.48
11/30/23	6042752	AUSTIN JOHNSON	\$422.46
11/30/23	6042753	FREDERICK WILLENBROCK	\$241.34
11/30/23	6042754	LIBERTY MUTUAL GROUP INC	\$30,344.31
12/1/23	6042755	NORTH COAST ELECTRIC COMPANY	\$26.77
12/1/23	6042756	SOUTHERN ELECTRICAL EQUIPMENT CO IN	\$5,878.71
12/1/23	6042757	WASHINGTON ST NURSERY & LANDSCAPE A	\$3,740.00
12/1/23	6042758	LISTEN AUDIOLOGY SERVICES INC	\$3,897.00
12/1/23	6042759	AA REMODELING LLC	\$800.00
12/1/23	6042760	WASHINGTON ENERGY SERVICES COMPANY	\$2,650.00
12/1/23	6042761	REFINED CONSULTING GROUP	\$2,650.00
12/1/23	6042762	ROBERT STEINER	\$175.00

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/1/23	6042763	MONICA GORMAN	\$148.04
12/1/23	6042764	SHONTE GOOLD	\$463.67
12/1/23	6042765	JOHN HIEB	\$2,037.79
12/1/23	6042766	DAVID WEIL	\$158.87
12/1/23	6042767	LILLIAN MANLEY	\$204.50
12/1/23	6042768	LANDON SNYDER	\$239.50
12/1/23	6042769	DAVID KRUEGER	\$973.09
12/1/23	6042770	GILLIAN ANDERSON	\$93.68
12/4/23	6042771	EJ BROOKS COMPANY	\$47,856.88
12/4/23	6042772	INTERCONTINENTAL EXCHANGE HOLDINGS	\$3,175.00
12/4/23	6042773	INTERWEST CONSTRUCTION INC	\$630,396.28
12/4/23	6042774	MOTOR TRUCKS INTL & IDEALEASE INC	\$588.28
12/4/23	6042775	NORTH COAST ELECTRIC COMPANY	\$8,474.35
12/4/23	6042776	NORTHSTAR CHEMICAL INC	\$1,449.55
12/4/23	6042777	NORTHWEST POWER POOL CORP	\$2,725.56
12/4/23	6042778	ROMAINE ELECTRIC CORP	\$818.65
12/4/23	6042779	RWC INTERNATIONAL LTD	\$66.16
12/4/23	6042780	SISKUN INC	\$237.12
12/4/23	6042781	STAR RENTALS INC	\$3,454.75
12/4/23	6042782	STELLAR INDUSTRIAL SUPPLY INC	\$419.73
12/4/23	6042783	STONEWAY ELECTRIC SUPPLY CO	\$16,661.58
12/4/23	6042784	GORDON TRUCK CENTERS INC	\$220.20
12/4/23	6042785	WILLIAMS SCOTSMAN INC	\$283.15
12/4/23	6042786	AARD PEST CONTROL INC	\$108.31
12/4/23	6042787	ALLIED BODY WORKS INC	\$4,230.05
12/4/23	6042788	BENEFITFOCUS COM INC	\$8,011.40
12/4/23	6042789	EDGE ANALYTICAL INC	\$288.00
12/4/23	6042790	GENERAL PACIFIC INC	\$1,240.99
12/4/23	6042791	LENZ ENTERPRISES INC	\$191.40
12/4/23	6042792	LONE MOUNTAIN COMMUNICATIONS LLC	\$23,125.00
12/4/23	6042793	NORTHWEST CASCADE INC	\$413.76
12/4/23	6042794	DAVID JAMES PERKINS	\$2,475.00

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/4/23	6042795	RICOH USA INC	\$4,403.17
12/4/23	6042796	ROHLINGER ENTERPRISES INC	\$3,017.55
12/4/23	6042797	SEATTLE AUTOMOTIVE DISTRIBUTING INC	\$393.55
12/4/23	6042798	SOUND SAFETY PRODUCTS CO INC	\$194.51
12/4/23	6042799	WESTERN SAFETY PRODUCTS INC	\$390.94
12/4/23	6042800	UNITED RENTALS NORTH AMERICA INC	\$365.17
12/4/23	6042801	ANIXTER INC	\$2,663.97
12/4/23	6042802	MALLORY SAFETY AND SUPPLY LLC	\$350.86
12/4/23	6042803	TRU-CHECK INC	\$455,424.27
12/4/23	6042804	SPINAL HEALTH CONSULTANTS INC	\$14,000.00
12/4/23	6042805	MCWANE INC	\$100,473.59
12/4/23	6042806	RESOURCE INNOVATIONS INC	\$13,130.00
12/4/23	6042807	CENVEO WORLDWIDE LIMITED	\$2,803.11
12/4/23	6042808	INFOSOL INC	\$4,050.00
12/4/23	6042809	WATERSHED SCIENCE & ENGINEERING INC	\$350.00
12/4/23	6042810	K&D SERVICES INC	\$16,551.61
12/4/23	6042811	KENT ENGINEERING LLC	\$2,145.00
12/4/23	6042812	UNIVERSAL PROTECTION SERVICE LP	\$130,503.78
12/4/23	6042813	BARR ENGINEERING CO	\$9,972.50
12/4/23	6042814	BREEZE FREE INC	\$750.00
12/4/23	6042815	COZY HEATING INC	\$2,650.00
12/4/23	6042816	EMERALD CITY ENERGY INC	\$500.00
12/4/23	6042817	JULIE MAINSTONE	\$863.28
12/4/23	6042818	BRIE'N MILLER	\$218.77
12/4/23	6042819	DORIS PAYNE	\$1,561.68
12/4/23	6042820	CADIN YECKLEY	\$79.50
12/5/23	6042821	ALS GROUP USA CORP	\$689.00
12/5/23	6042822	DAVID EVANS & ASSOCIATES INC	\$4,226.34
12/5/23	6042823	INTERGRAPH CORPORATION	\$13,690.46
12/5/23	6042824	NORTH COAST ELECTRIC COMPANY	\$174.71
12/5/23	6042825	ON HOLD CONCEPTS INC	\$234.70
12/5/23	6042826	STELLAR INDUSTRIAL SUPPLY INC	\$1,513.86

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/5/23	6042827	TRENCHLESS CONSTR SVCS LLC	\$221,928.48
12/5/23	6042828	VAN NESS FELDMAN LLP	\$2,217.00
12/5/23	6042829	WW GRAINGER INC	\$246.80
12/5/23	6042830	NORTHWEST CASCADE INC	\$137.50
12/5/23	6042831	PACO VENTURES LLC	\$43,414.47
12/5/23	6042832	ROHLINGER ENTERPRISES INC	\$6,771.73
12/5/23	6042833	SEATTLE AUTOMOTIVE DISTRIBUTING INC	\$199.82
12/5/23	6042834	SENSUS USA INC	\$31,468.56
12/5/23	6042835	STATE OF WASHINGTON	\$17,198.79
12/5/23	6042836	EXPERTS EXCHANGE LLC	\$549.95
12/5/23	6042837	GRAYBAR ELECTRIC CO INC	\$997.14
12/5/23	6042838	ALTEC INDUSTRIES INC	\$2,107.30
12/5/23	6042839	ANIXTER INC	\$5,500.16
12/5/23	6042840	MALLORY SAFETY AND SUPPLY LLC	\$1,430.74
12/5/23	6042841	CAPITAL ARCHITECTS GROUP PC	\$17,140.81
12/5/23	6042842	REXEL USA INC	\$6,987.01
12/5/23	6042843	HARMSSEN LLC	\$2,940.00
12/5/23	6042844	FRONTIER PRECISION INC	\$274.75
12/5/23	6042845	HARNISH GROUP INC	\$13,520.85
12/5/23	6042846	WORKLOGIX MANAGEMENT INC	\$1,250.00
12/5/23	6042847	QCL INC	\$110.50
12/5/23	6042848	ARCHECOLOGY LLC	\$450.00
12/5/23	6042849	PACHECOS LANDSCAPING LLC	\$8,247.88
12/5/23	6042850	GRIDBRIGHT INC	\$41,967.75
12/5/23	6042851	AFL TELECOMMUNICATIONS INC	\$357.34
12/5/23	6042852	CRAWL SPACE CLEANING PROS INC	\$550.00
12/5/23	6042853	CM AIR PROS LLC	\$2,687.50
12/5/23	6042854	HOME COMFORT ALLIANCE LLC	\$1,650.00
12/5/23	6042855	HUGH GIBSON	\$176.32
12/5/23	6042856	LYNH DICKEN	\$83.84
12/5/23	6042857	ALYSIA JOHNSON	\$847.03
12/5/23	6042858	SHAWN WIGGINS	\$72.06

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/5/23	6042859	JAMES SALLUP	\$20.96
12/6/23	6042860	HOWARD INDUSTRIES INC	\$34,320.68
12/6/23	6042861	MOTOR TRUCKS INTL & IDEALEASE INC	\$2,309.20
12/6/23	6042862	ROBERT HALF INTERNATIONAL INC	\$2,582.40
12/6/23	6042863	ROMAINE ELECTRIC CORP	\$706.25
12/6/23	6042864	RWC INTERNATIONAL LTD	\$261.09
12/6/23	6042865	TOPSOILS NORTHWEST INC	\$3,234.50
12/6/23	6042866	BRAKE & CLUTCH SUPPLY INC	\$1,472.90
12/6/23	6042867	GREENSHIELDS INDUSTRIAL SUPPLY INC	\$18.13
12/6/23	6042868	DESIGNER DECAL INC	\$537.14
12/6/23	6042869	EDGE ANALYTICAL INC	\$278.00
12/6/23	6042870	GENERAL PACIFIC INC	\$68,361.62
12/6/23	6042871	PUBLIC UTILITY DISTRICT EMPLOYEES	\$1,740.00
12/6/23	6042872	LOUIS F MATHESON CONSTRUCTION INC	\$8,086.61
12/6/23	6042873	OFFICE OF THE SECRETARY OF STATE	\$1,970.00
12/6/23	6042874	ZIPPER GEO ASSOCIATES LLC	\$2,777.48
12/6/23	6042875	THE GOODYEAR TIRE & RUBBER CO	\$3,169.60
12/6/23	6042876	HCL AMERICA INC	\$20,863.26
12/6/23	6042877	TRAFFIC CONTROL PLAN CO OF WA LLC	\$3,625.00
12/6/23	6042878	WESTERN STATES FIRE PROTECTION CO	\$2,286.82
12/6/23	6042879	AMERICAN POWER SYSTEMS LLC	\$8,316.20
12/6/23	6042880	EVERGREEN CONCRETE CUTTING INC	\$308.75
12/6/23	6042881	QUALITROL COMPANY LLC	\$10,220.80
12/6/23	6042882	GMES LLC	\$413.26
12/6/23	6042883	SIRENA FOTHERGILL	\$103.34
12/6/23	6042884	LIBERTY MUTUAL GROUP INC	\$18,718.52
12/7/23	6042885	ASPLUNDH TREE EXPERT LLC	\$24,388.55
12/7/23	6042886	DAVID EVANS & ASSOCIATES INC	\$23,749.66
12/7/23	6042887	JACO ANALYTICAL LAB INC	\$486.59
12/7/23	6042888	MOTOR TRUCKS INTL & IDEALEASE INC	\$3,355.59
12/7/23	6042889	NORTH COAST ELECTRIC COMPANY	\$5,300.40
12/7/23	6042890	PETROCARD INC	\$75,252.84

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/7/23	6042891	ROBERT HALF INTERNATIONAL INC	\$4,315.20
12/7/23	6042892	ROMAINE ELECTRIC CORP	\$1,071.66
12/7/23	6042893	TOPSOILS NORTHWEST INC	\$129.38
12/7/23	6042894	TRENCHLESS CONSTR SVCS LLC	\$152,976.55
12/7/23	6042895	VAN NESS FELDMAN LLP	\$1,110.00
12/7/23	6042896	WASTE MANAGEMENT OF WASHINGTON INC	\$939.71
12/7/23	6042897	WEST COAST PAPER CO	\$3,056.10
12/7/23	6042898	WETLAND RESOURCES INC	\$1,340.00
12/7/23	6042899	WILLIAMS SCOTSMAN INC	\$8,521.22
12/7/23	6042900	BRAKE & CLUTCH SUPPLY INC	\$293.40
12/7/23	6042901	CELLCO PARTNERSHIP	\$81,387.60
12/7/23	6042902	COLEHOUR & COHEN INC	\$13,581.41
12/7/23	6042903	EDGE ANALYTICAL INC	\$192.00
12/7/23	6042904	GENERAL PACIFIC INC	\$261,974.13
12/7/23	6042905	GEOSPATIAL INNOVATIONS INC	\$137,173.00
12/7/23	6042906	HERRERA ENVIRONMENTAL CONSULTANTS I	\$5,559.77
12/7/23	6042907	POWER ENGINEERS INC	\$7,241.16
12/7/23	6042908	LOUIS F MATHESON CONSTRUCTION INC	\$798.48
12/7/23	6042909	VISION METERING LLC	\$3,600.00
12/7/23	6042910	WESTERN ELECTRICITY COORDINATING CO	\$74.75
12/7/23	6042911	ALTEC INDUSTRIES INC	\$2,991.88
12/7/23	6042912	ANIXTER INC	\$18,196.47
12/7/23	6042913	CAPITAL ARCHITECTS GROUP PC	\$3,382.00
12/7/23	6042914	MORSE DISTRIBUTION INC	\$4,205.17
12/7/23	6042915	QCERA INC	\$2,053.50
12/7/23	6042916	RENTOKIL NORTH AMERICA INC	\$204.96
12/7/23	6042917	FLEET SERVICE VEHICLE REPAIR LLC	\$12,999.08
12/7/23	6042918	TRC ENGINEERS INC	\$59,376.41
12/7/23	6042919	FORMA CONSTRUCTION COMPANY	\$84,602.62
12/7/23	6042920	ELEVATOR SUPPORT COMPANY LLC	\$2,912.36
12/7/23	6042921	AMERICAN CRAWLSPACE & PEST SERVICES	\$2,604.50
12/7/23	6042922	AA REMODELING LLC	\$600.00

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/7/23	6042923	CM AIR PROS LLC	\$2,650.00
12/7/23	6042924	ANN NICHOLS	\$229.26
12/7/23	6042925	PHILLIP SCHEMENAUER	\$185.00
12/7/23	6042926	ADAM PERETTI	\$1,142.79
12/7/23	6042927	KRISTOPHER SCUDDER	\$342.61
12/7/23	6042928	JOHN HIEB	\$1,180.90
12/7/23	6042929	JENNIFER LATHAM	\$94.63
12/7/23	6042930	JACOB MANLEY	\$730.66
12/7/23	6042931	KELSEY LEWIS	\$563.42
12/7/23	6042932	MICHAEL SWINT	\$33.17
12/7/23	6042933	JOHN MEYER	\$75.00
12/8/23	6042934	DAVID EVANS & ASSOCIATES INC	\$1,535.40
12/8/23	6042935	RMG FINANCIAL CONSULTING INC	\$700.00
12/8/23	6042936	ANDREW JORDAN HARPER	\$1,764.82
12/8/23	6042937	DNV GL NOBLE DENTON USA LLC	\$13,509.70
12/8/23	6042938	MING K LEUNG	\$234.95
12/8/23	6042939	ALEXANDRA LEGARE	\$1,834.59
12/8/23	6042940	AMBERBOX INC	\$8,785.00
12/8/23	6042941	BREEZE FREE INC	\$400.00
12/8/23	6042942	ENERGY EXTERIORS NW LLC	\$850.00
12/8/23	6042943	HOME COMFORT ALLIANCE LLC	\$1,650.00
12/8/23	6042944	IAN HUNTER	\$243.64
12/8/23	6042945	SUZANNE FREW	\$190.61
12/8/23	6042946	GEORGE HESPE	\$30.13
12/8/23	6042947	RONALD SHEPPARD	\$104.00
12/8/23	6042948	TESSA MORENO	\$83.84
12/8/23	6042949	SARA AMUNDSON	\$20.96

Total: \$7,689,497.62

Detailed Disbursement Report

Accounts Payable Wires			
Payment Date	Payment Ref Nbr	Payee	Amount
11/27/23	7003067	PUGET SOUND ENERGY INC	\$1,063.31
11/27/23	7003068	WHEAT FIELD WIND POWER PROJECT LLC	\$850,015.90
11/28/23	7003069	CRAWFORD & COMPANY	\$641.93
11/29/23	7003070	US DEPARTMENT OF ENERGY	\$4,326,088.00
11/30/23	7003071	US BANK	\$73,293.25
12/4/23	7003072	CRAWFORD & COMPANY	\$974.02
12/6/23	7003073	ICMA-RC	\$222,218.21
12/6/23	7003074	PUBLIC UTILITY DIST NO 1 OF SNOHOMI	\$25,807.63
12/6/23	7003075	ICMA-RC	\$584,582.69
12/7/23	7003076	FIRST AMERICAN TITLE	\$50,000.00
Total:			\$6,134,684.94

Detailed Disbursement Report

Payroll			
Period End Date	Payment Ref Nbr	Payee	Amount
12/5/23	5300000942	PUD EMPLOYEES - DIRECT DEPOSIT	\$4,379,622.16
12/7/23	845068 - 845076	PUD EMPLOYEES - WARRANTS	\$16,150.61

Detailed Disbursement Report

Automatic Debit Payments			
Payment Date	Payment Ref Nbr	Payee	Amount
11/27/23	5300000925	STATE OF WA DEPT OF RETIR	\$189,517.62
11/28/23	5300000927	STATE OF WA DEPT OF REVEN	\$2,262,622.59
11/29/23	5300000928	WELLNESS BY WISHLIST INC	\$6,987.67
12/1/23	5300000929	WELLNESS BY WISHLIST INC	\$4,563.21
12/1/23	5300000931	US BANK NATIONAL ASSN	\$4,507,782.40
12/1/23	5300000932	US BANK NATIONAL ASSN	\$4,760,125.00
12/1/23	5300000933	US BANK NATIONAL ASSN	\$9,250,094.08
12/1/23	5300000934	US BANK NATIONAL ASSN	\$1,967,125.00
12/1/23	5300000935	US BANK NATIONAL ASSN	\$1,484,325.00
12/1/23	5300000936	US BANK NATIONAL ASSN	\$865,031.95
12/1/23	5300000937	US BANK NATIONAL ASSN	\$999,625.00
12/1/23	5300000938	US BANK NATIONAL ASSN	\$5,093,125.00
12/1/23	5300000939	US BANK NATIONAL ASSN	\$606,500.00
12/1/23	5300000940	US BANK NATIONAL ASSN	\$121,717.37
12/1/23	5300000941	ELAVON INC DBA MERCHANT S	\$877.60
12/5/23	5300000942	ADP INC	\$1,017,911.02
12/7/23	5300000943	WELLNESS BY WISHLIST INC	\$6,961.73
12/8/23	5300000944	STATE OF WA DEPT OF RETIR	\$1,948,444.78
12/8/23	5300000945	WELLNESS BY WISHLIST INC	\$64,278.59
Total:			\$35,157,615.61



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 4A

TITLE

Public Hearing on Proposed Amendments to the District’s Rate Schedule 80, “Renewable Energy Credit Program”

SUBMITTED FOR: Public Hearing

Energy Services	<u>Sheri Miller</u>	<u>1690</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing:	<u>November 21, 2023</u>	
Estimated Expenditure:	_____	Presentation Planned <input type="checkbox"/>

ACTION REQUIRED: Resolution

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Governance Process, Board Job Description GP-3(4)(C)(1), a non-delegable, statutorily-assigned Board duty: Rates/Fees. Establish and maintain rates and charges for electric energy and water and various other services, facilities and commodities sold, furnished or supplied by the District.

The purpose of this Public Hearing is to provide a venue for public comments on a proposed amendment to the District’s Rate Schedule 80, “Renewable Energy Credit Program.”

Since 2001 RCW 19.29A.090 has mandated that all retail electric utilities in the state of Washington, including Public Utility District No. 1 of Snohomish County, Washington (the District), offer their retail electric customers a voluntary option to purchase qualified alternative energy resources. Under the statute, a “qualified alternative energy resource” means energy produced from generation facilities that are fueled by: (a) wind; (b) solar; (c) geothermal energy; (d) landfill gas; (e) wave or tidal action; (f) gas produced during the treatment of wastewater; (g) qualified hydropower (which is upgrades to existing hydropower made after 1998 that reduce impacts to fish or run of the river projects with no fish passage issues) or (h) biomass energy.

RCW 19.29A.090 requires that “all costs and benefits” associated with the program be allocated to the customers who voluntarily choose that option and may not be shifted to customers who have not chosen to participate in the program. Further, rates, terms, conditions, and customer notification of the option must be approved by the consumer-owned utility’s governing body.

The first program established by the District to satisfy this requirement was the “Planet Power” program, established in 2001 through Resolution No. 5019. The program was contained in Rate Schedule 80, under which all customers could purchase qualified alternative energy resources through the purchase of Renewable Energy Credits (RECs) or “Green Tags.”

The program has been modified from time-to-time based on changing market conditions impacting the District’s cost to supply the program as well as changing customer preferences. Those modifications were:

- October 1, 2008 (Resolution No. 5387): Limit the REC-based offering to non-residential customers and move the Planet Power program to a new Schedule 81; and
- May 7, 2013 (Resolution No. 5631): Modifications to account for changes in market conditions; and
- April 10, 2018 (Resolution No. 5847): Adjust the price per month to account for changes in market conditions, re-open Schedule 80 to residential customers, and update language in Schedule 80.

Since the program was last revised in 2018, program participation has grown significantly, as have the District’s costs to supply the program. The rate within Schedule 80 is currently set at \$4.50 per month per REC. To bring the rate charged under the program, which is now marketed as the “Carbon Solutions” program, in line with current market prices, staff is proposing to revise Schedule 80 to increase the REC price charged to program participants to \$6.50 per month per REC.

The proposed price adjustment was presented to the Commission on November 21, 2023. In that presentation, staff noted that the expected next steps were to place this matter on the Consent Agenda for Commission approval. Staff has revised those steps and is now proposing to open a Public Hearing on the rate change at the December 19, 2023, meeting. The Public Hearing will be continued to the January 9, 2024, meeting, at which time the Commission will take action.

Staff has developed a plan for notifying customers currently participating in Rate Schedule 80 of the change, and for working with them to adjust their level of participation, if appropriate. If approved, the new schedule would be effective March 1, 2024.

List Attachments:

Presentation – Previously Presented on November 21, 2023

Carbon Solutions Rate Change

Sheri Miller - Customer and Energy Services Program Manager
Shelley Pattison - Senior Manager, Strategic Partnerships

Previously Presented : November 21, 2023



Purpose of Presentation

- To request future approval from the Commission to increase the Carbon Solutions rate of 1 Renewable Energy Credit (REC) from \$4.50 to \$6.50.



RCW 19.29a.090

- Carbon Solutions exists to meet this RCW requirement.

“Each electric utility must provide to its retail electricity [electric] customers a voluntary option to purchase qualified alternative energy resources in accordance with this section...

...All costs and benefits associated with any option offered by an electric utility under this section must be allocated to the customers who voluntarily choose that option and may not be shifted to any customers who have not chosen such option.”



Program History

- Program launch in 2018
- Customer enrollment has grown 65%
- 2/3 of program participants are Commercial/Industrial customers
- 1/3 of program participants are Residential customers
- Price for 1 REC (1000 kWh): \$4.50
 - No price adjustments throughout life of program
- 4700 RECs purchased in 2023 (as of 10/17/2023)
- REC sales year over year for the past 3 years have averaged an approximate 10% increase



Reason for proposed rate change

- RCW requires REC costs are passed through to our customers
- The REC industry has changed over the years and prices have dramatically increased
- Proposed rate change to \$6.50 per REC to adjust to current REC pricing



Next Steps

- Consent Agenda Item for the December 5, 2023, Commission Meeting





BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 5A

TITLE

Disposal of Surplus Property – 1st Quarter 2024

SUBMITTED FOR: Public Hearing and Action

Materials Management & Warehouse Claudio Lazar 5005
Department *Contact* *Extension*

Date of Previous Briefing: _____

Estimated Expenditure: _____ Presentation Planned

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Governance Process, Board Job Description, GP-3(4) --- non-delegable, statutorily assigned Board duty.

Request approval to dispose of various materials and equipment from all Divisions, as set forth on Exhibit "A" that accumulated during the previous quarter. These items are no longer necessary or useful to the District and will be sold for high bid, scrapped, or junked.

Request advance approval to dispose of those materials set forth on Exhibit "B" that will accumulate during the First Quarter of the year 2024. The materials listed on Exhibit "B" include items such as waste transformer oil, unserviceable distribution transformers, unserviceable radiators, pipes, storage tanks, etc., containing PCB material, scrap metal, assorted sizes of tires, obsolete automotive parts, obsolete/scrap transmission and distribution inventory, obsolete/scrap substation inventory, obsolete/scrap material and equipment, obsolete/scrap CPUs and computer components, miscellaneous electronics and obsolete/scrap miscellaneous furnishings to include chairs, desks, cabinets, tables and work surfaces.

- List Attachments:*
- Exhibit A
 - Exhibit B

SURPLUS PROPERTY RECOMMENDATIONS

EXHIBIT A

1st QUARTER 2024

	DESCRIPTION	STORES REF. #	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
1.	<p>Substation Transformer #K-175: Manufactured by Allis-Chalmers in May of 1967. Serial #47-8224-37490-1, 25MVA, dry weight 118,500 lbs. This equipment has been removed from service and has past it's end of life. The substation department and the PUD no longer have use for this item.</p>	S-5654	1967	N/A	N/A	Scrap
2.	<p>Substation Transformer #K196: Manufactured by General Electric. Serial #D553076, 20MVA, dry weight 118,200 lbs. This equipment has been removed from service and has past it's end of life. The substation department and the PUD no longer have use for this item.</p>	S-5655	N/A	N/A	N/A	Scrap
3.	<p>Connect 3000 Plus Weigh on the Fly Meter Machine: Manufactured by Pitney Bowes. Serial #0009666, Model #MSF3 110 VAC. This equipment will no longer be supported in 2024 and has been replaced with the Send Pro 3000.</p>	S-5656	2014	\$17,593.24	\$1,500.00	Sell
4.	<p>Equipment #5014: 2009 Butler Trailer LT1616-WL-S4. This trailer is 14 years old and has reached its replacement criteria. This trailer is being replaced with a new trailer.</p>	S-5684	2009	\$12,848.06	\$2,000.00	Sell

SURPLUS PROPERTY RECOMMENDATIONS

1st QUARTER 2024

EXHIBIT A

	DESCRIPTION	STORES REF. #	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
5.	Equipment #873: 1965 Truckweld Trailer, VIN TW1144, License C16132. This trailer is 57 years old and is no longer needed by the District. This trailer will not be replaced.	S-5685	1984	\$14,879.54	\$300.00	Sell
6.	Equipment #5029: 2011 Olympic OM12-2E 16+4 Trailer, VIN 1C9TF2024BT997038, License 96971C. This trailer has reached its replacement criteria and was replaced with a new trailer purchased with funds from the 2022 budget.	S-5686	2011	\$6,959.99	\$300.00	Scrap
7.	Vehicle #9700: 2001 International 4900 Vacuum Truck, VIN 1HTSHADR71H370609, Camel Supersucker 200MCB 10V, Serial Number 01671089, License 57520C, Mileage 70,017. This truck has reached its replacement criteria and was replaced by a used vacuum truck transferred (sold) from Electric to Water in 2023.	S-5687	2017	\$275,673.63	\$75,000.00	Sell
8.	TIIGER 1030A Load Deck Steerable Dolly: This item was purchased in 2003, and the District no longer has use for this equipment.	S-5688	2003	N/A	\$500.00	Sell

SURPLUS PROPERTY RECOMMENDATIONS

1st QUARTER 2024

EXHIBIT A

	DESCRIPTION	STORES REF. #	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
9.	DCD TUF-Lugger Cable Puller: This item was purchased in 2007, and the District no longer has use for this equipment.	S-5689	2007	\$7,730.60	\$1,000.00	Sell
10.	Construction Circuit Breakers: Original 1969 circuit breakers from Electric Building North Tower, two (2) Westinghouse DB50 and one (1) Westinghouse DB25. Breakers have been replaced with modern electronic breakers increasing utility reliability at the Electric Building.	S-5691	N/A	N/A	\$500.00	Sell
11.	Everett Industries INC. metal chop saw: This piece of equipment has reached its end of life and is considered to be no longer useful to the District.	S-5692	N/A	N/A	\$1000.00	Sell
12.	Eaton Air Compressor: This piece of equipment is missing parts. It has reached its end of life and is considered to be no longer useful to the District.	S-5693	N/A	N/A	\$50.00	Scrap
13.	Rockwell Drill Press: This piece of equipment has reached its end of life and is considered to be no longer useful to the District.	S-5694	N/A	N/A	\$500.00	Sell

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

DESCRIPTION	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
1. Waste transformer oil, bulk mineral oil containing PCBs less than 2 ppm to be disposed of as needed in the 1 st Quarter 2024.	Various	Various	\$ 0.45 / Gallon (paid to District)	Dechlorinated to <1 ppm PCB Recycled by EMI of KC
2. Waste transformer oil, PCBs between 2 to less than 49 ppm to be disposed of as needed in the 1 st Quarter 2024	Various	Various	\$ 0.45 / Gallon (paid to District)	Dechlorinated to <1 ppm PCB Recycled by EMI of KC
3. Unserviceable distribution transformers and electrical equipment containing PCBs of less than 1 ppm to be disposed of as needed in the 1 st Quarter 2024.	Various	Various	\$ 3.51 / KVA (paid to District)	Oil recycled equipment is rebuilt for resale or scrapped for metal recovery by Transformer Technologies
4. Unserviceable distribution transformers and electrical equipment containing PCBs equal to 1 through 49 ppm to be disposed of as needed in the 1 st Quarter 2024.	Various	Various	\$ 0.50 / KVA (paid to District)	Oil will be dechlorinated & equipment scrapped for metal recovery by Transformer Technologies
5. Scrap metal including: copper, aluminum, brass, steel, iron, meters, potential transformers and current transformers to be sold as needed in the 1 st Quarter 2024.	Various	Various	\$96,000.00 (Average based on previous 4 quarters)	High Bid
6. Assorted sizes of tires, tubes, and casings to be scrapped as needed in the 1 st Quarter 2024.	Various	Various	Various	Scrap

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

DESCRIPTION	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
7. Obsolete miscellaneous auto parts and supplies including: fire extinguishers, polyester rope, strobe lights and other related automotive materials to be sold as needed in the 1 st Quarter 2024.	Various	Various	\$3,400.00 (Average based on previous 4 quarters)	High Bid
8. Obsolete or miscellaneous auto parts and supplies including: fire extinguishers, polyester rope, strobe lights and other related automotive materials to be scrapped as needed in the 1 st Quarter 2024.	Various	Various	Various	Scrap
9. Obsolete or miscellaneous Transmission and Distribution inventory to include: street lighting, poleline hardware, concrete products, wire, transformers, and other related materials to be sold as needed in the 1 st Quarter 2024.	Various	Various	Various	High Bid
10. Obsolete or miscellaneous Transmission and Distribution inventory to include: street lighting, poleline hardware, concrete products, wire, transformers, and other related materials to be scrapped as needed in the 1 st Quarter 2024.	Various	Various	Various	Scrap

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

DESCRIPTION	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
11. Obsolete or scrap material and/or equipment including: adding machines, calculators, and other related items to be sold as needed in the 1 st Quarter 2024.	Various	Various	\$ N/A (Average based on previous 4 quarters)	High Bid
12. Obsolete or scrap material and/or equipment to include: adding machines, calculators, and other related items to be scrapped as needed in the 1 st Quarter 2024.	Various	Various	Various	Scrap
13. Obsolete or miscellaneous computer components in include: CPU's, monitors, keyboards, printers, and miscellaneous electronics to be sold as needed in the 1 st Quarter 2024.	Various	Various	\$1,200.00 (Average based on previous 4 quarters)	High Bid
14. Obsolete or miscellaneous computer components to include: CPU's, monitors, keyboards, printers, and miscellaneous electronics to be recycled, scrapped, or junked as needed in the 1 st Quarter 2024.	Various	Various	Various	Recycle/Scrap/Junk
15. Obsolete or miscellaneous furnishings to include: chairs, desks, cabinets, & table work surfaces to be sold as needed in the 1 st Quarter 2024.	Various	Various	\$ N/A (Average based on previous 4 quarters)	High Bid

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

	DESCRIPTION	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
16.	Obsolete and/or miscellaneous furnishings to include: chairs, desks, cabinets, & table work surfaces that are damaged beyond economical repair to be scrapped in the 1 st Quarter 2024.	Various	Various	Various	Scrap
17.	Pre-Authorization for any obsolete or miscellaneous Tool Room equipment and/or material to be sold during the 1 st Quarter 2024.	Various	Various	\$165.00 (Average based on previous 4 quarters)	High Bid
18.	Pre-Authorization for any obsolete or miscellaneous Tool Room equipment and/or material to be junked during the 1 st Quarter 2024.	Various	Various	Various	Junk
19.	Pre-Authorization for any obsolete or miscellaneous Water Department equipment and/or material to be sold during the 1 st Quarter 2024.	Various	Various	\$ N/A (Average based on previous 4 quarters)	High Bid
20.	Pre-Authorization for any obsolete or miscellaneous Water Department equipment and/or material to be scrapped during the 1 st Quarter 2024.	Various	Various	Various	Scrap

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

21.	Pre-Authorization for any obsolete or miscellaneous Generation Department equipment and/or material to be sold or scrapped during the 1 st Quarter 2024.	Various	Various	\$180.00 (Average based on previous 4 quarters)	Sell/Scrap
22.	Pre-Authorization for Any Departments obsolete or miscellaneous equipment and/or material to be sold or scrapped during the 1 st Quarter 2024.	Various	Various	Various	Sell/Scrap
23.	Pre-Authorization for any obsolete or miscellaneous Telecom equipment and/or material to be sold or scrapped during the 1 st Quarter 2024.	Various	Various	\$520.00 (Average based on previous 4 quarters)	Sell/Scrap
24.	Pre-Authorization for the transfer of poles removed from service, free of charge. Allowable on a “first come, first serve” basis in the following order: i. Customer/Property owners adjacent to pole, ii. To a customer/property owner near the pole, if requested, or iii. Crew members if no customer/property owner requests.	Various	Various	N/A	Scrap

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

QUARTERLY SALVAGE MATERIALS BID AWARD RECOMMENDATIONS FOR APPROVAL

The successful bidder for the 1st QUARTER SALVAGE MATERIALS BID 2024 is: Radius Recycling

This contract covers the scrapping of SALVAGE materials (Aluminum, Steel, Brass Copper, etc.) and would begin January 1, 2024, and end March 31, 2024. The bid is for the loading, hauling, transporting, and recycling of all salvage metals that are being scrapped in the 1st Quarter.

The District expects to scrap approximately 13,000 lbs. of Bare AL, 66,000 lbs. of WP AL, 50,000 lbs. of Steel, 2,000 lbs. of Meters, 800 lbs. of Brass, 2,000 lbs. of Cont. Brass, 6,000 lbs. of Bare CU, and 7,200 lbs. of WP CU.

The receiving facilities that will be recycling or disposing of meters must meet all applicable local, state, and/or federal regulations. All scrapped material shall be recycled, and non-recyclable disposed of in an environmentally friendly manner.

We received three bids in total. Radius Recycling submitted the high bid. The staff recommends awarding the 2024 1st QUARTER SALVAGE MATERIALS BID to Radius Recycling.

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

ANNUAL SURPLUS ELECTRICAL EQUIPMENT BID AWARD RECOMMENDATION FOR APPROVAL

The successful bidder for the ANNUAL SURPLUS ELECTRICAL EQUIPMENT BID is: Transformer Technologies

This contract covers the scrapping of SURPLUS electrical equipment and would begin January 1, 2024 and end December 31, 2024. The bid is for the loading, hauling, transporting, storing, and recycling of oil filled electrical equipment that is being scrapped in the year 2024.

The District expects to dispose of approximately 1,000 transformers containing less than <1 ppm PCB oil and 50 transformers containing less than 50 ppm PCB oil in 2024.

We received two bids in total. Transformer Technologies submitted the high bid. The staff recommends awarding the 2024 SURPLUS ELECTRICAL EQUIPMENT BID to Transformer Technologies.

SURPLUS PROPERTY RECOMMENDATIONS

1ST QUARTER 2024

EXHIBIT B

ANNUAL PURCHASE OF BULK MINERAL OIL

The successful bidder for the ANNUAL PURCHASE OF BULK MINERAL OIL is: EMI of KC.

The contract covers the purchase of bulk mineral oil and would begin January 1, 2024, and end December 31, 2024. The bid is for loading, hauling, treating, and recycling of bulk used mineral oil from electrical equipment within Snohomish County and Camano Island.

The District estimates having 10,000 gallons of oil removed from an underground storage tank and 6,755 gallons of oil from substation transformers.

We received two bids in total. EMI of KC submitted the high bid. The staff recommends awarding the 2024 Annual bid for bulk mineral oil recycling to EMI of KC.

SURPLUS PROPERTY RECOMMENDATIONS

EXHIBIT A

1st QUARTER 2024

AT PLACES
AGENDA ITEM NO. 05A.01

	DESCRIPTION	STORES REF. #	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
1.	Substation Transformer #K-175: Manufactured by Allis-Chalmers in May of 1967. Serial #47-8224-37490-1, 25MVA, dry weight 118,500 lbs. This equipment has been removed from service and has past it's end of life. The substation department and the PUD no longer have use for this item.	S-5654	1967	N/A	N/A	Scrap
2.	Substation Transformer #K196: Manufactured by General Electric. Serial #D553076, 20MVA, dry weight 118,200 lbs. This equipment has been removed from service and has past it's end of life. The substation department and the PUD no longer have use for this item.	S-5655	N/A	N/A	N/A	Scrap
3.	Connect 3000 Plus Weigh on the Fly Meter Machine: Manufactured by Pitney Bowes. Serial #0009666, Model #MSF3 110 VAC. This equipment will no longer be supported in 2024 and has been replaced with the Send Pro 3000.	S-5656	2014	\$17,593.24	\$1,500.00	Sell
4.	Equipment #5014: 2009 Butler Trailer LT1616-WL-S4. This trailer is 14 years old and has reached its replacement criteria. This trailer is being replaced with a new trailer.	S-5684	2009	\$12,848.06	\$2,000.00 \$490.00	Scrap Sell

SURPLUS PROPERTY RECOMMENDATIONS

1st QUARTER 2024

EXHIBIT A

	DESCRIPTION	STORES REF. #	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
5.	Equipment #873: 1965 Truckweld Trailer, VIN TW1144, License C16132. This trailer is 57 years old and is no longer needed by the District. This trailer will not be replaced.	S-5685	1984	\$14,879.54	\$300.00	Sell
6.	Equipment #5029: 2011 Olympic OM12-2E 16+4 Trailer, VIN 1C9TF2024BT997038, License 96971C. This trailer has reached its replacement criteria and was replaced with a new trailer purchased with funds from the 2022 budget.	S-5686	2011	\$6,959.99	\$300.00	Scrap
7.	Vehicle #9700: 2001 International 4900 Vacuum Truck, VIN 1HTSHADR71H370609, Camel Supersucker 200MCB 10V, Serial Number 01671089, License 57520C, Mileage 70,017. This truck has reached its replacement criteria and was replaced by a used vacuum truck transferred (sold) from Electric to Water in 2023.	S-5687	2017	\$275,673.63	\$75,000.00	Sell
8.	TIIGER 1030A Load Deck Steerable Dolly: This item was purchased in 2003, and the District no longer has use for this equipment.	S-5688	2003	N/A	\$500.00	Sell

SURPLUS PROPERTY RECOMMENDATIONS

1st QUARTER 2024

EXHIBIT A

DESCRIPTION	STORES REF. #	PURCHASE YEAR	ORIGINAL PURCHASE PRICE	APPROX. MARKET VALUE	DISPOSAL METHOD
9. DCD TUF-Lugger Cable Puller: This item was purchased in 2007, and the District no longer has use for this equipment.	S-5689	2007	\$7,730.60	\$1,000.00	Sell
10. Construction Circuit Breakers: Original 1969 circuit breakers from Electric Building North Tower, two (2) Westinghouse DB50 and one (1) Westinghouse DB25. Breakers have been replaced with modern electronic breakers increasing utility reliability at the Electric Building.	S-5691	N/A	N/A	\$500.00	Sell
11. Everett Industries INC. metal chop saw: This piece of equipment has reached its end of life and is considered to be no longer useful to the District.	S-5692	N/A	N/A	\$1000.00	Sell
12. Eaton Air Compressor: This piece of equipment is missing parts. It has reached its end of life and is considered to be no longer useful to the District.	S-5693	N/A	N/A	\$50.00	Scrap
13. Rockwell Drill Press: This piece of equipment has reached its end of life and is considered to be no longer useful to the District.	S-5694	N/A	N/A	\$500.00	Sell



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 5B

TITLE

Consideration of a Resolution Ordering, Approving, Ratifying, and Confirming the Construction and Installation of the Plan or System of Additions to the District’s Water Utility, as Adopted on November 21, 2023, and Applicable to the Local Utility District Hereinafter Described, Forming Local Utility District No. 66 of Snohomish County, Washington, and Confirming the Final Assessment Roll

SUBMITTED FOR: Public Hearing and Action

<u>Water Utility</u>	<u>Christina Arndt</u>	<u>3001</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing: _____		
Estimated Expenditure: _____		Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Governance Process, Board Job Description: GP-3(4)(D)(1) a non-delegable, statutorily assigned Board duty – Local Utility Districts. Form and establish the method of procedure in all matters relating to local utility districts.

On November 21, 2023, the Board of Commissioners adopted Resolution No. 6153 setting December 19, 2023, as the date for a public hearing on the formation of a proposed Water Local Utility District (LUD No. 66).

The final assessment roll for LUD 66 consists of two (2) specifically benefited properties. The total dollar amount for the assessments is \$19,300.00, which will be collected over 20 years. Each of the property owners signs a Water Connection Agreement. The Agreement is prepared such that the property owner’s signature qualifies in the same manner as signing a petition for formation of an LUD. Since only those requesting financing for water service have signed Connection Agreements, the LUD has 100 percent property owner support.

To expedite the process, applicants waive publishing notice of the public hearing in The Herald and agree to receive a written notice sent by mail at least 15 days prior to the hearing on formation of the LUD and confirmation of the assessment roll. Property owners were mailed a notice of the hearing and final assessment roll on November 22, 2023.

If adopted, the Resolution included in the packet will approve the final assessment roll and confirm that the assessments are equitable and proper and fairly reflect the benefits to the assessed properties. The Resolution also directs the Snohomish County Treasurer to establish a fund to receive all payments of principal, interest, and penalties made with respect to the assessment roll.

List Attachments:

- Resolution
- Exhibit A
- Exhibit B

RESOLUTION NO. _____

A RESOLUTION Ordering, Approving, Ratifying, and Confirming the Construction and Installation of the Plan or System of Additions to the District's Water Utility, as Adopted on November 21, 2023, and Applicable to the Local Utility District Hereinafter Described, Forming Local Utility District No. 66 of Snohomish County, Washington, and Confirming the Final Assessment Roll

WHEREAS, by Resolution No. 6153 passed by the Board of Commissioners of the District on November 21, 2023, a plan or system of additions and related appurtenances to the District's Water Utility, all in accordance with the Feasibility Study in "Exhibit B" thereto, which by this reference is made a part hereof, was adopted, which resolution also declared the intention of the Board of Commissioners to form Local Utility District No. 66 in connection with carrying out such plan; and

WHEREAS, the boundaries and a general description of the proposed local utility district, together with the names and addresses of the owners of all lots, parcels, or tracts of land or other property within such local utility district, as shown on the tax rolls of the County Treasurer, and the legal descriptions and proposed annual assessments for all such lots, parcels or tracts of land or other property within the proposed local utility district, are as set forth in the Final Assessment Roll in "Exhibit A" attached hereto and by this reference incorporated herein; and

WHEREAS, on November 22, 2023, written notice of the hearing to form such proposed local utility district and adopt related assessment rolls was sent by first class mail, U.S. postage prepaid, to the owners of all lots, parcels, or tracts of land or other property within the proposed local utility district; and

WHEREAS, the publication of such notice has been waived in writing by each and every member of the proposed local utility district; and

WHEREAS, no protest petition signed by fifty percent (50%) or more of the property owners within such proposed local utility district was filed with the Secretary of the Board of Commissioners on or before twelve o'clock noon on the date fixed for hearing; and

WHEREAS, on December 19, 2023, commencing at 1:30 p.m., the Commission conducted a hearing on such proposed local utility district, and considered all timely written objections and oral arguments presented for or against the formation of such district and for or against the proposed assessment roll for such district; and

WHEREAS, under the State Environmental Policy Act, WAC 197-11-800 (16) and - 800 (23)(b), no environmental checklist was prepared prior to the formation and construction of Local Utility District No. 66; and

WHEREAS, the Commission finds that it is reasonable and proper and in the best interest of the District to form Local Utility District No. 66 as hereinbefore described, and to confirm the assessment roll for such local utility district.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 1 of Snohomish County, Washington, as follows:

Section 1. The construction of the plan or system of additions to and extensions of the District's Water Utility as adopted in Resolution No. 6153 and as more particularly set forth in "Exhibit B" thereto, is hereby approved, ratified and confirmed.

Section 2. The proposed Local Utility District No. 66 of Snohomish County, Washington, as more particularly described in "Exhibit A," appears to be financially and economically feasible, and is hereby formed.

Section 3. The cost and expense of carrying out the plan or system provided in Section 1, including construction and installation, overhead and general expenses and engineering and legal expenses, is hereby declared to be \$19,300. Not to exceed 100 percent of such cost and expense shall be borne by assessments against property within said local utility district specially benefited by the improvement. The Commission finds that the cost and expense to be borne by each lot is not greater than the benefit to be conferred on each lot.

Section 4. Assessment shall be made against the property within said local utility district on a per buildable lot basis. Each assessment shall include, in addition to a proportionate share of the cost of facilities constructed as part of the plan or system described in Section 1 hereof, a general facilities charge, which represents the charge imposed by the District for access to the source, storage and transmission facilities of the District's Water Utility. A connection charge shall also be levied for each service connection. The Board of Commissioners hereby finds that such method of assessment is equitable and proper and fairly reflects the special benefits to the respective assessed properties.

Section 5. The proposed final assessment roll and assessments for Local Utility District No. 66 as set forth in the attached "Exhibit A" is fair and reasonable and is hereby approved and confirmed.

Section 6. The assessments in such utility district may be paid in cash, without penalty, interest or cost, at any time within thirty days from the first day of publication of notice by the Treasurer of Snohomish County, Washington, that the assessment roll is in his or her hands for collection, and if not then paid, such assessments may, at the option of the several property owners, be paid in 20 equal annual installments; that the first of such installments be due one year after the expiration of the aforesaid 30-day period, and subsequent installments

shall be due annually after such date; that the sum remaining unpaid at the expiration of such 30-day period shall bear interest at the rate 4.5 percent per annum, and interest on the unpaid amount shall be due on the due date of the first installment of principal and each year thereafter on the due date of each installment of principal; that assessments or installments thereof, when delinquent, in addition to such interest, shall bear a penalty in the amount of 12 percent per annum on the outstanding delinquent balance; and that the owner of any lot, tract or parcel of land or other property charged with any such assessment may redeem it from all liability for the unpaid amount of the assessment, at any time after the 30-day period allowed for payment of the assessment without penalty or interest, by paying the entire unpaid amount of the assessment to the Snohomish County Treasurer, with interest thereon to the date of maturity of the installment next falling due.

Section 7. The cost of the plan described in Section 1 hereof shall be met and defrayed from the District's Water Utility General fund and the proceeds of assessments levied and assessed against all property within the local utility district created by Section 2 hereof, legally and properly assessable therefore and specially benefited by said improvement, as provided by the laws of the State of Washington and the resolutions of the District. The entire principal of and interest on such assessments, as well as penalties for late payment, shall be paid into a local improvement fund which is hereby created and established in the office of the Snohomish County Treasurer to be known as "Utility Local Improvement District No. 66, (Water Distribution System) – Non-Contiguous" and shall be used for the sole purpose of paying the cost of the plan described in Section 1, and/or paying principal of and interest on District warrants and/or notes, inter-fund loans or bonds issued in payment of the cost and expense of such improvements; and the Snohomish County Treasurer is hereby authorized and

directed to remit to the District, on or prior to the tenth day of the month following receipt thereof, for use for such purposes, any and all monies received by the Treasurer from time to time in said fund.

Section 8. The Secretary of the Board of Commissioners of the District is hereby authorized and directed to certify unto the Snohomish County Treasurer and any and all public authorities or others interested in LUD No. 66 or properties contained therein as to the giving of all notices, the manner and form of all resolutions or proceedings and any other information or material which may be necessary or appropriate with respect thereto.

PASSED AND APPROVED this 19th day of December, 2023.

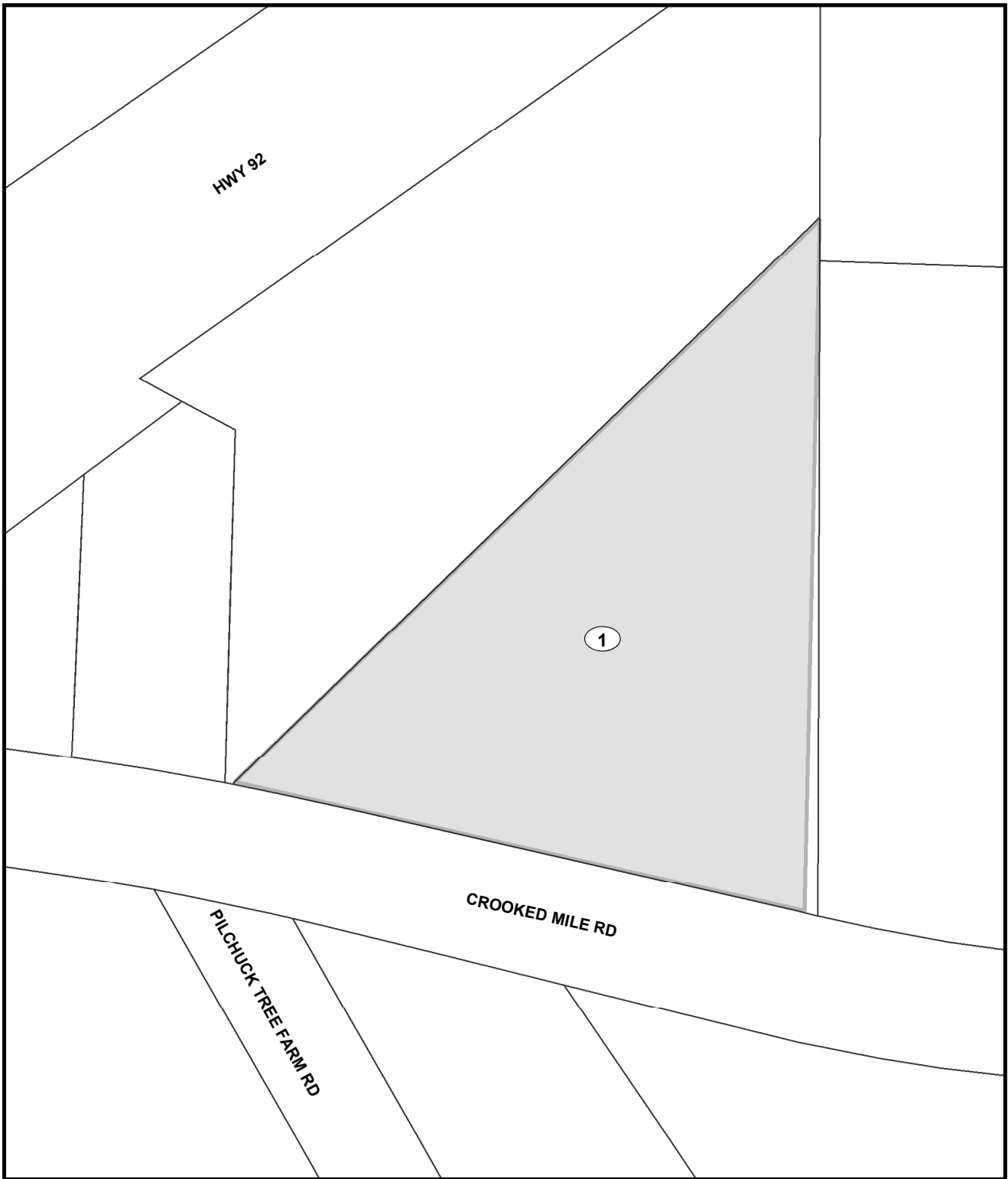
President

Vice-President

Secretary

Final Assessment Roll for Lots Within Boundaries of 2023 Non-Contiguous LUD 66 of Public Utility District No. 1 of Snohomish County, Washington
--

<u>Tax Account No.</u>	<u>Legal Description</u>	<u>Recorded Owner & Mailing Address</u>	<u>Assessment</u>
300614-004-043-00	Section 14 Township 30 Range 06 Quarter SE TH PTN SW1/4 SE1/4 SEC 14 & NW1/4 NE1/4 SEC 23 ALL IN TWP 30N RNG 6E DAF BEG SE COR SD SW1/4 SE1/4 SD SEC 14 TH N01*44 19W ALG E LN SD SW1/4 SE1/4 1320FT M/L TO SLY LN NPRR CO R/W TH SWLY ALG SD R/W 400FT TH S01*44 19E PLW E LN SD SW1/4 SE1/4 751.90FT TPB TH CONT S01*44 19E 390.61FT TO NLY MGN SR 92 TH N78*50 00W ALG SD NLY MGN 265.10FT TAP OFCRV OF CRV TO L HAVG RAD 2034FT TH ALG SD CRV 50.58FT CONS ANG 01*25 29 TH N42*12 55E 443.02FT TPB EXC ANY PTN, IF ANY LY WHN A 14FT WIDE RD LY WHN SD SW1/4 SE1/4 SD SEC 14 AKA PAR A SNO CO SP96(3-78) REC AFN 7807070304	Christian Betzold 17307 Crooked Mile Rd Granite Falls, WA 98252	\$ 9,790.00
005514-000-044-01	RAINBOW SPRINGS BLK 000 D-01 - PTN LOT 44 LY S OF LN DAF BEG SE CORLOT 35 TH S47*41 23E ALG NLY EDGE EXST ESE RD 84.05 FT TO ELY LN LOT 44 PLUS UND INT IN PRIV RDS PLUS 1/200TH INT IN TR A & B	Geoff Minor and Dionne Holland 1716 144th PI SE Mill Creek, WA 98012	\$9,510.00
TOTAL			\$ 19,300.00



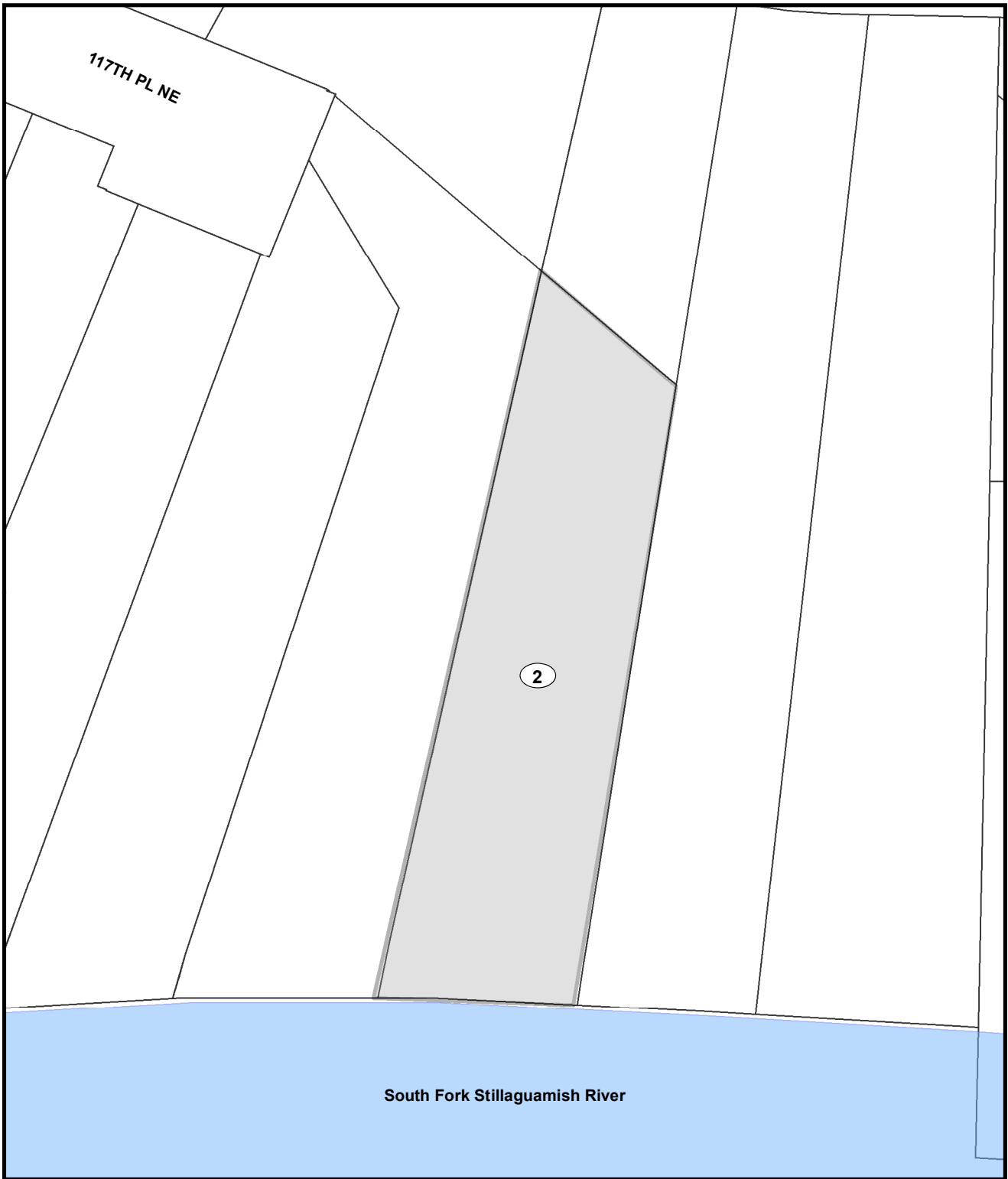
Snohomish County PUD
Water Resources

**NON-CONTIGUOUS
LUD NO. 66**

TAX ACCOUNT #:

300614-004-043-00

ATTACHMENT 1 TO EXHIBIT "A" FINAL ASSESSMENT ROLL



Snohomish County PUD
Water Resources

**NON-CONTIGUOUS
LUD NO. 66**

TAX ACCOUNT #:

005514-000-044-01

ATTACHMENT 2 TO EXHIBIT "A" FINAL ASSESSMENT ROLL

EXHIBIT B

PUBLIC UTILITY DISTRICT NO. 1 OF SNOHOMISH COUNTY

WATER UTILITY

**NON-CONTIGUOUS
WATER LUD NO. 66**

FEASIBILITY STUDY REPORT

November, 2023

Feasibility Study
Non-Contiguous LUD No. 66
November 2023

1. INTRODUCTION AND BACKGROUND

The properties included in Local Utility District (LUD) No. 66 are located in unincorporated Snohomish County in the Granite Falls and Arlington areas. The properties are attached to the District's main on State Route 92 and 117th PI NE (See attached maps of property locations).

Research by the District's Office of General Counsel determined that an LUD was the only mechanism through which the District could offer financing for attachment to District water service, and that an LUD need not include contiguous parcels. Thus, the concept of a Non-Contiguous LUD was developed to allow voluntary participation by property owners wishing to take permanent service from an existing District water supply main.

Participants have been provided with a Water Connection Contract (See Exhibit D). The Water Connection Contract is written such that the property owner's signature qualifies as a signed LUD petition. Since only those requesting financing for water service have signed Contracts, the LUD has 100 percent property owner support.

2. COST

The cost per customer varies depending upon which main the service is connecting to.

The following fees for connection are charged at the 2023 rates:

There is one property connecting to the distribution main on State Route 92. The connection fees total \$9,790 for each property and consist of a General Facilities Charge (GFC) of \$3,645, a Distribution System Charge (DSC) of \$4,210, a Service Connection Charge (SCC) of \$1,355 (for a ¾" meter), a Snohomish County Right-of-way permit costing \$100, a pressure reducing valve costing \$280, and a LUD Administrative fee of \$200.

There is one property connecting to the distribution main on 117th PI NE. The connection fees total \$9,510 for the property and consist of a General Facilities Charge (GFC) of \$3,645, a Distribution System Charge (DSC) of \$4,210, a Service Connection Charge (SCC) of \$1,355 (for a ¾" meter), a Snohomish County Right-of-way permit costing \$100, and a LUD Administrative fee of \$200.

The GFC represents a pro-rata share of the cost of funding transmission, storage and water source improvements, which are required to serve the LUD properties. The DSC is based on the average cost per lot for new distribution systems installed in the District's rural service area (this amount will vary based on when the District-installed water main extension was completed or if the property was located in an area where another LUD-financed main was installed). The SCC is the average cost of installation of a meter and a service line from the main to the property line. The LUD administrative fee provides recovery of costs associated with administering the LUD, including formation costs and annual fees charged by the Snohomish County Treasurer's Office.

Feasibility Study
 Non-Contiguous LUD No. 66
 November 2023

No. of Properties	Connection Fee	Assessment
1	2023 Standard SF Connection Fee w/ ¾" Meter and PRV	\$9,790.00
1	2023 Standard SF Connection Fee w/ ¾" Meter	\$9,510.00
2 TOTAL		\$19,300.00

2023 Standard SF Connection Fee w/ ¾" Meter and PRV

General Facilities Charge	\$ 3,645.00
Distribution System Charge	\$ 4,210.00
Service Connection Charge (1")	\$ 1,355.00
County Right-of-Way Permit	\$ 100.00
Pressure Reducing Valve	\$ 280.00
LUD Administrative Fee	\$ 200.00
	<u>\$ 9,790.00</u>

2023 Standard SF Connection Fee w/ ¾" Meter

General Facilities Charge	\$ 3,645.00
Distribution System Charge	\$ 4,210.00
Service Connection Charge (1")	\$ 1,520.00
County Right-of-Way Permit	\$ 100.00
LUD Administrative Fee	\$ 200.00
	<u>\$ 9,510.00</u>

3. FINANCING

Bonds will not be sold for this LUD since the District incurs no substantial costs in providing the new customer service attachments to existing facilities. Once the final assessment roll has been approved, the Snohomish County Treasurer will be notified, and the Treasurer will in turn notify the property owners. Following a 30-day opportunity to pay the assessment off in-full with no interest or penalty, the first annual installment would be due 12 months following that notice. The interest rate charged to the property owners would be established by the District at the public hearing on the final assessment roll. An interest rate of approximately 4.5 percent is anticipated. As the Treasurer collects assessment payments, the proceeds are forwarded to the District.

Since the assessment will be secured by a senior lien on the property, in second position behind general property taxes, the District may foreclose on a parcel if the assessment is not paid. For all parcels included in the LUD, the value of the property exceeds by several times the amount of the assessment. Further, District policy provides for disconnection of water service in the event of default, hence the District is well protected from possible non-payment.

Feasibility Study
Non-Contiguous LUD No. 66
November 2023

4. ECONOMIC FEASIBILITY

For an LUD to be economically feasible, the assessed parcel's value must be increased by at least as much as the amount of the assessment. By signing the Connection Contract, all owners stipulate and agree that the benefits to their property exceed the estimated cost of the assessment. Further, all property owners applying for a District water connection via the non-contiguous local utility district method agree that the benefits to their property will be greater than the estimated cost of the improvements. Property owners also acknowledge and agree that water service options other than direct connection to the District's system are more expensive and provide less benefit than a direct connection to the District's water system.

5. PRELIMINARY ASSESSMENT ROLL

The preliminary assessment is attached as Exhibit "A".

6. RATES

All customers in this LUD will pay the District's standard single-family water rate. Rates currently in effect for a single-family residential water service include a \$23.92 minimum monthly charge and \$3.66 per 100 cubic feet (748 gallons) of water usage. An average single-family household using 700 cubic feet per month would see a monthly bill of \$49.54 per month, or \$594.48 per year.

7. SUMMARY AND RECOMMENDATION

The proposed LUD is financially, economically and technically feasible. The District will not issue bonds for the LUD, and will collect assessment payments over the projected 20-year life of the LUD. It is recommended that the LUD be formed and the properties assessed as outlined in the Feasibility Report.

publicly accessible website weeks in advance. On December 5, 2023, a formal public hearing was held on the Draft 2023 IRP. No comments were received.

For the proposed 2023 IRP, and proposed 2024-2025 Conservation Targets, staff prepared a programmatic environmental checklist under the State Environmental Policy Act (“SEPA”). The District’s SEPA Responsible Official issued a Determination of Non-Significance (“DNS”) for the proposal on November 7, 2023, and published the DNS and the Draft 2023 IRP for the required 14 day comment period.

Staff is recommending that the Board formally adopt the 2023 IRP.

List Attachments:

Resolution

Exhibit A – 2023 Integrated Resource Plan

RESOLUTION NO. _____

A RESOLUTION Adopting the 2023 Integrated Resource Plan

WHEREAS, Chapter 19.280 RCW requires utilities such as Public Utility District No. 1 of Snohomish County (the “District”) to formally adopt Integrated Resource Plans (“IRPs”) by September 1, 2008, to file progress reports on the plan with the Washington State Department of Commerce every two years, and to adopt and file with the Department of Commerce an updated plan every four years; and

WHEREAS, District staff have prepared the Draft 2023 IRP, the analysis which complies with the statutory mandate to consider and assess, among many other factors, commercially available demand-side resources such as energy efficiency and demand response, commercially available supply-side generation, and energy storage technologies, and to conduct a comparative evaluation of renewable and non-renewable resources; and

WHEREAS, staff prepared a programmatic environmental checklist for the draft 2023 IRP under the State Environmental Policy Act (“SEPA”), the PUD’s SEPA Responsible Official issued a Determination of Non-Significance (“DNS”) for the proposal on November 7, 2023, and published the DNS for public comment for the requisite period; and

WHEREAS, the District provided a public comment period, held a public meeting on the proposed 2023 IRP on November 21, 2023, and held a formal public hearing on the proposed 2023 IRP on December 5, 2023, and staff now recommends formal adoption.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Public Utility District No. 1 of Snohomish County, Washington, that the proposed 2023 Integrated Resource Plan in the form attached hereto as Exhibit A is hereby approved and adopted.

PASSED AND APPROVED this 19th day of December, 2023.

President

Vice-President

Secretary

This dynamic photo, taken by Mark, a student at Arlington High School, was a winner in the PUD's student photography contest in 2023.



Snohomish PUD 2023 IRP Update

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IRP Acknowledgements

The Integrated Resource Plan (IRP) process is deliberately collaborative and requires the contributions of subject matter experts across the PUD, the feedback from our customers, and the guidance by the PUD’s elected Commissioners to be successful. As a result, the 2023 Update was only possible through the contributions of the following groups.

Our Customers.

PUD staff engage our customers for the questions, comments and feedback on our planning processes and their perspectives. This feedback is invaluable as we seek to shape a resource strategy that meets our customer’s needs. There have been many public engagements throughout the development and finalization of the 2023 Update, which are described in more detail in Technical Appendix A. PUD staff thank our customers for their participation, and our opportunity as public servants, to provide safe, reliable, affordable and environmentally sustainable electricity to our community.

Our Elected PUD Commissioners.

Commissioners Sid Logan, Toni Olson, and Dr. Rebecca Wolfe provided regular feedback throughout the IRP process via their active participation in public meetings that sequentially discussed the development of the 2023 Update. Their guidance has shaped the 2023 Update to reflect their perspectives on behalf of their constituents.

The IRP Technical Team.

The PUD utilizes a cross-functional team of subject matter experts to peer review IRP inputs and outputs to ensure the technical soundness of the approach, as well as the appropriateness of the resulting strategy. Members of the Technical Team for the 2023 Update include: Kenn Backholm, Scott Richards, Adam Cornelius, Marie Morrison, Ian Hunter, Jessica Spahr, Alex Chorey, Alexis Dickey, Lauren Way, Kevin Costello, Mike Shapley, Kelly Wallace, Andrew Cox, Ryan Ziegler, Andrew Wilson, Brad Spangler, Adam Lewis, Dawn Presler, Scott Spahr, Christina Leinnewebber, Peter Dauenhauer, John Wallstrom, Michael Coe, Allison Stansberry, Sinh Tran, Felicie Ng, Charles Hersrud, Doug O’Donnell and Jeff Feinberg.

Our Student Photographer’s Great Cover Art.

The cover art for the 2023 Update comes from the 2023 High School Photography contest. The cover photograph was submitted by Mark, then a junior at Arlington High School. The photograph was the Employees’ Choice Award winner of the 2023 contest. The 2023 High School Photography Contest was a product of the PUD’s education program, which provides STEAM (Science, Technology, Engineering, Art, and Math) curriculum based on Washington State and Next Generation Science Standards to students throughout Snohomish County and Camano Island. More information on the education program can be found at: <https://www.snopud.com/community-environment/in-our-communities/education/>.

1. Executive Summary

A. Key Updates in the 2023 IRP Update

The 2023 Integrated Resource Plan (IRP) Update is intended to be a narrowly scoped update to the comprehensive 2021 IRP. Comprehensive IRPs are filed every four years, with IRP Updates filed midway between each comprehensive filing. An IRP update typically incorporates only a small subset of variables that have materially changed since the last comprehensive IRP. In a typical IRP update cycle this list of variables is modest and the scale of change is small. Market prices the cost of demand-side and supply-side resources and the load forecast are common factors that need updates.

Contrary to a typical update cycle, the scope and scale of updates in the 2023 Update are large. While the 2023 Update utilizes the same modelling methodology and framework as the 2021 IRP, many variables have seen significant changes and there are additional key questions explored by this update. Important elements reflected in this IRP include the following:



Load Forecast Increase: Changes in state and local policy have increased the electrification portion of the load forecast, resulting in a higher contribution from electric vehicles and a greater expectation of buildings with new or converted electrification of space and water heating. ***The annual average load growth from 2024-2045 is 2.07%, which is up from the 0.96% forecast in the 2021 IRP.*** More discussion is provided in Section 3.



Post-2028 Updates: While the PUD does not have certainty on what Post-2028 Power Product configurations and rates will be, there is increased clarity on the likely allocation of at-cost federal power from BPA. The 2023 Update examined several potential configurations of BPA Products. This preliminary analysis revealed that ***the PUD still prefers to continue as a Block/Slice product customer of BPA,*** but will evaluate all options when more details are available in 2024 and 2025. Further discussion is provided in Sections 3 and 5.



Market Price Forecast Increasing: Higher loads, increased market uncertainty, higher natural gas prices, and retiring regional resources has put upwards pressure on market prices, as well as a large band of uncertainty on long-term future market prices. The PUD evaluated four divergent market price environments to identify the lowest cost, lowest risk scenario for its Long-Term Resource Strategy. ***The average annual market price in the Base Case of the 2021 IRP was \$35.79/MWh across the study period; in the 2023 Update it is \$37.59/MWh.*** More discussion is provided in Section 3.



Supply-Side Resource Costs Decreasing: The Inflation Reduction Act introduced tax credits as high as 50% of capital costs for some clean energy resource investments in some time periods within the study period. ***The effects of the tax credits are modeled explicitly in the 2023 IRP and the impact is a lowering of effective development costs for clean energy resources.*** These lower costs are an opportunity for the PUD. More discussion is provided in Sections 3 and 5.

B. Key Findings



The PUD will seek to meet future needs with clean energy resource investments. The 2023 Update confirms one of the fundamental findings of the 2021 IRP, **that the PUD expects to meet its long-term load service needs by adding only carbon-free energy resources to its power portfolio, which is currently composed of only carbon-free energy resources.** This clean energy strategy has been selected because it has been mathematically shown to provide reliable service at the lowest cost to customers. The expected significant electrification load creates a need to increase the volume of clean energy resources but the core strategy remains intact. This strategy and problem-solving is in alignment with the PUD mission to deliver affordable power to our customer-owners in a safe, environmentally sustainable and reliable manner while successfully navigating complex change in our industry.



The PUD Resource Strategy prioritizes flexibility in a period of industry change. The electric industry is undergoing a period of significant and complex change. The PUD is actively negotiating a long-term contract with BPA expected to provide upwards of 80% of the PUD Power Supply needed after 2028. The region is operationalizing a new Resource Adequacy program that is expected to enhance regional reliability in the Western United States, but which will also introduce new standards for portfolio adequacy. Organized markets are developing which are expected to change the way energy and capacity are traded on wholesale markets. For this reason, **one of the core features of the 2023 Update Resource Strategy is flexibility with a proactive approach.** The Resource Strategy prioritizes making near-term investments that will be effective across BPA Power Products, identifies best-fit long-term investments to be evaluated, and includes consideration of different BPA Power Products. The strategy also establishes an Action Plan, which includes performing due diligence upon procurement efforts that will be triggered once BPA contract and product specifications provide sufficient transparency to substantiate long-term PUD investment.



The PUD will remain a regional leader, and seeks to meet and exceed regulatory requirements. While managing complex change, the PUD will also meet its regulatory compliance obligations. **The resource strategy includes a biennial conservation target of 10.54 aMW that is an increase of 2.56 aMW, or 32%, over the previous biennial conservation target of 7.96 aMW. The PUD plans to meet Renewable Portfolio Standard requirements with a mix of renewable resource investments and procurement of Renewable Energy Credits** to achieve the lowest cost of regulatory compliance for customers. **The PUD is still targeting a goal of being 100% clean under the standards set forth by the Clean Energy Transformation Act by 2030, 15 years ahead of the statutory requirement.** While the exact nature and timing of renewable investment will be shaped by the specifics of the Post-2028 BPA Power contract and products, the PUD has contingency plans for regulatory compliance and will remain flexible to meet multiple customer objectives with a commitment to clean energy.

C. Resource Strategy

The PUD’s Resource Strategy can be viewed as:

- (1) Resource actions the PUD will take in the near-term because they are expected to be effective regardless of BPA Power contract and product outcomes and;
- (2) Resource actions the PUD expects it would take if the PUD continues to be Block/Slice BPA product customers. The 2023 Update economic analysis has shown Block/Slice to likely be the most cost-effective product to serve customer load across the study period.

Near-Term Resource Strategy

Near-Term Actions can be considered the actions the PUD expects to take in the next 2-3 years to augment its existing resources and serve load cost-effectively.

Cost-Effective Conservation	Time-of-Day Rate Options	Energy Storage	Short-Term Market Contracts	Post-2028 Contracts
<p>•Cost effective conservation remains a key component of the PUD’s long term resource strategy and provides the PUD with significant value. Conservation has been a consistently sound investment for the PUD for several decades. The analysis from the 2023 Update confirms this value and plans for significant additional investment over the study period. <i>The biennial conservation target for 2024-2025 is 10.54 aMW.</i></p>	<p>•Time-of-Day rate options provide participating customers more control over their bills and allow the PUD to incentivize demand shifts from higher-cost periods to serve to lower-cost periods. The PUD is planning new options for customers in parallel with the roll-out of advanced meters that will make these rate options possible. <i>The 2023 Update targets a modest 1aMW of average peak reduction by 2025, in line with forecasts for advanced meter rollouts and customer engagement processes.</i></p>	<p>•Energy Storage resources position the PUD well under multiple BPA product options: they provide organized market functionality, contribute to resource adequacy needs and reduce transmission risk. <i>The 2023 Update assumes the 25MW battery currently undergoing procurement will be online by October 2025. It also suggests that the PUD should be pursuing additional due diligence on potential sites, procurement strategy and distribution system needs for additional storage investments.</i></p>	<p>•Short-term market contracts serve primarily as a bridge to meet forecast resource-load gaps until long-term demand and supply-side resources come online. Long-term resources and demand-side programs take time to construct, develop, and implement. <i>The 2023 Update targets 50MW of additional short-term market contracts from 2024-2026.</i></p>	<p>•PUD staff must negotiate for cost-effective Post-2028 BPA Power Product options and evaluate the best fit for customer needs. This process began in 2021, and is expected to continue through 2024, with contract execution in 2025. The PUD must remain flexible and open to product alternatives through this process. It is expected that the Block/Slice product works best for the PUD with the information today, but staff will continue evaluating all options.</p>

Mid-to-Late Term Resource Strategy

The PUD must prepare to take additional steps for resource procurement to serve growing load as it negotiates the Post-2028 BPA Power Contract, which is expected to span 2029-2045. Mid-to-Late Term Resource Strategy actions represent the current plan for future resource actions, but it is understood that some or all of them may need to adjust as the PUD negotiates and implements the Post-2028 BPA Power Contract. For example, if a BPA Power Contract provides more clean energy or flexibility, the PUD may need to acquire less clean energy or flexibility, and vice versa.

Conservation	Time-of-Day Rates	Renewables and Clean Energy	BPA Tier 2 Power	Energy Storage
<ul style="list-style-type: none"> •The PUD will continue to invest in community conservation programs to manage load growth. The 2024-2045 conservation outlook estimates a total of 168.34 aMW new conservation by 2045 	<ul style="list-style-type: none"> •The PUD anticipates growing participation in Time-of-Day Rate offerings. As the PUD completes the AMI rollout, it is expected that customers will be more familiar with the Rate Options that best fit their needs. These programs provide customers more control over their bills and reduce costs for all customers. The 2023 Update forecasts that programs will provide 30 aMW of Peak energy savings by 2045. 	<ul style="list-style-type: none"> •To meet growing energy demand, the PUD will need to invest in additional renewable and clean energy projects. The PUD does not plan to invest in any carbon emitting resources. The 2023 Update expects a mix of wind energy, solar energy, and other clean energy sources. but the best-fit clean resources will ultimately be identified by competitive procurement processes. The scale of procurement is dependent on the BPA Post-2028 Power Contract. 	<ul style="list-style-type: none"> •The PUD expects to be eligible to procure additional energy through BPA's Tier 2 power product offering. The PUD is primarily interested in Tier 2 products that are supported by clean physical resources and are expected to provide stable costs. The PUD expects to procure not less than 200aMW of Tier 2 resources by 2045, though this volume is dependent on the Post-2028 BPA Power contract. 	<ul style="list-style-type: none"> •The PUD expects to add additional energy storage resources to its portfolio over the long-term in order to integrate renewables, add portfolio flexibility, mitigate transmission risk, and provide market risk mitigation. The volume of energy storage procured is dependent on the Post-2028 BPA Power contract.

Resource Strategy Highlights

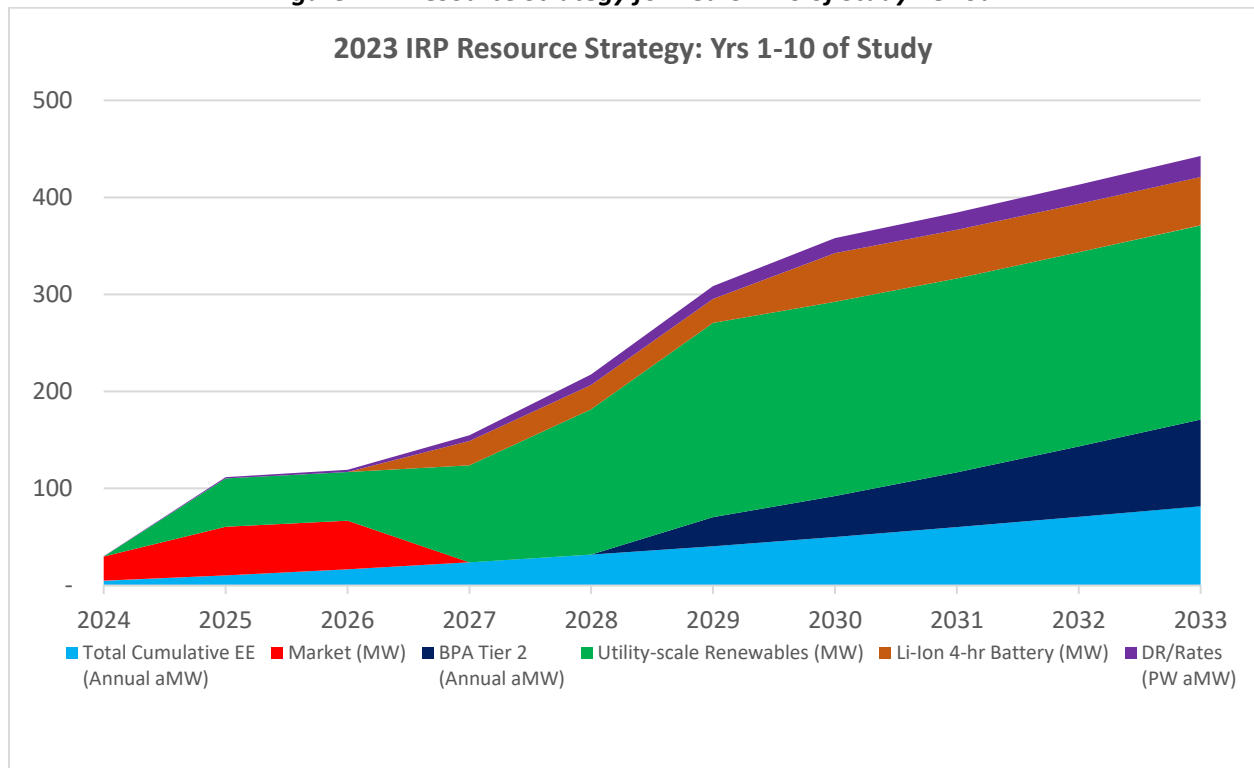
The building blocks of the Resource Strategy are discussed above, and are provided in graphical, quantitative form below. The Resource Strategy represents the lowest-cost solution to the Base Case scenario which is discussed in more detail in Sections 6 & 7.

Years 1-10 of the Study Period

Years 1-10 of the study period represent calendar years 2024-2033. In this period the PUD has 217 MW of expiring wind contracts and expects a new BPA Power contract starting in 2029. The resource strategy assumes continuation of the BPA Block/Slice Power product, and a PUD election to receive BPA Tier 2 Power. The PUD will continue to make conservation investments throughout the study period and will procure short-term market contracts until sufficient supply-side resources can be procured.

Through this period, the 217 MW of expiring wind contracts are replaced by 200 MW of new renewable resources, comprised of a mix of wind and solar. In addition to underway procurement of a 25 MW battery, the PUD would procure 50 MW of additional local energy storage. The PUD also expects optional customer programs for Demand Response and Smart Rates could yield approximately 20 aMW of peak period energy shifting. These investments are depicted in Figure 1-1.

Figure 1-1: Resource Strategy for Years 1-10 of Study Period

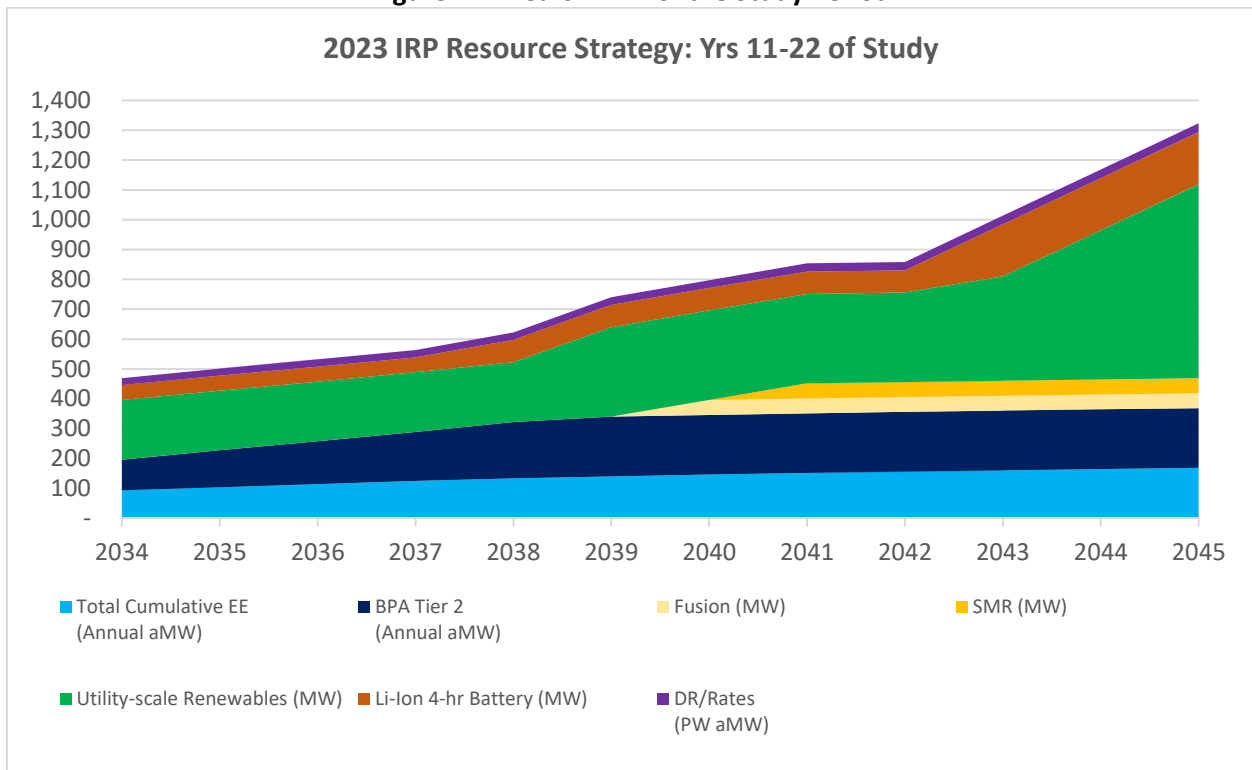


Years 11-22 of the Study Period

Years 11-22 of the study period are the most uncertain. Long-term load forecasts assume trends in electric vehicles, building electrification, and local economic growth. On the supply-side, technology improvements are providing more options at lower costs. However those options are also paired with uncertainty regarding transmission constraints, and the specifics of the technological advances. Understanding these risks and uncertainties, the 2023 Update has identified a flexible approach to serving future load growth.

The strategy calls for additional renewable energy, local energy storage, conservation investment, and Demand Response and Smart Rate options. The PUD plans to procure 200 aMW of BPA Tier 2 Power, which is less than its forecasted 388 aMW of eligibility. The PUD is also tracking regional and local efforts on clean energy technology from fusion and Small Modular Reactor (SMR) technology, including these resources in the 2023 Update’s analysis if they are available at a cost-effective price in the 2040’s. If they are not available at a cost-effective price, the PUD can either invest in additional renewable resources or acquire additional increments of BPA Tier 2 Power. Figure 1-2 depicts Years 11-22 of the Study period.

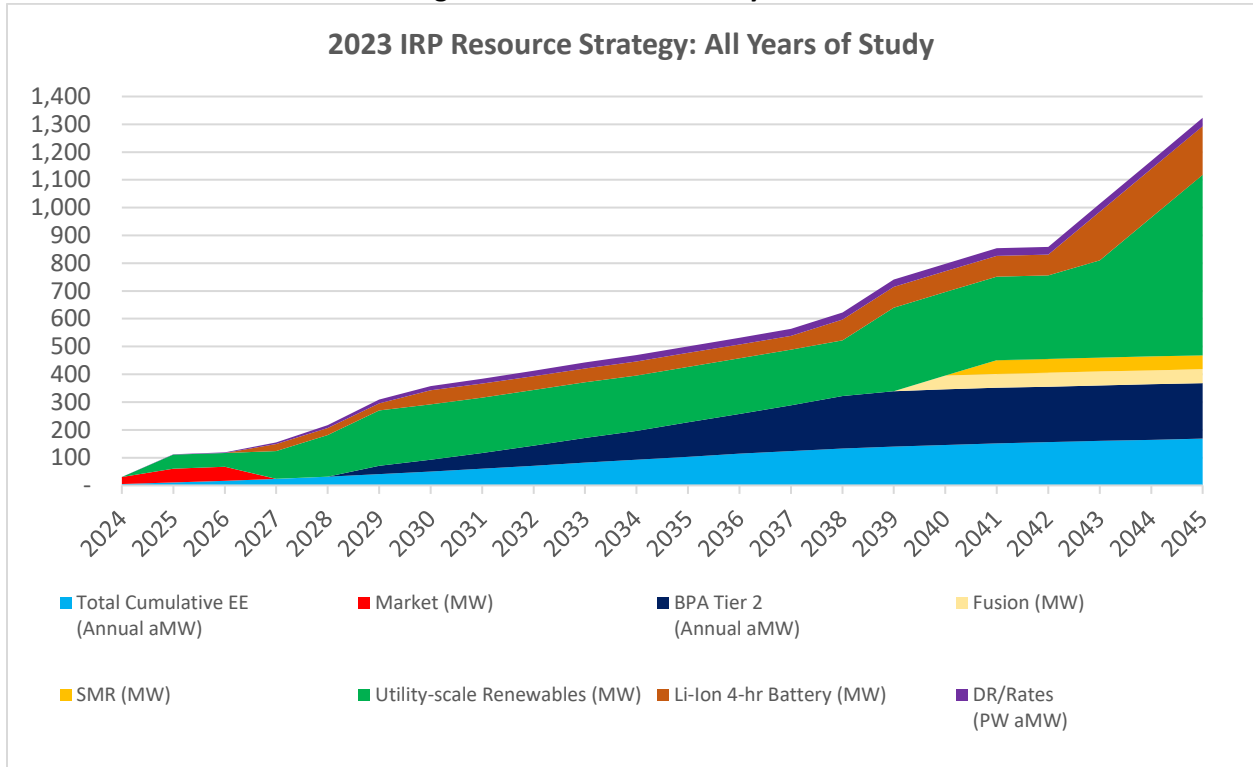
Figure 1-2: Years 11-22 of the Study Period



All Years of Resource Strategy

The complete Resource Strategy is reflected in Figure 1-3. This Resource Strategy is subject to change and will be revisited in the next comprehensive IRP. Because the PUD adopts IRPs every two years, the specific strategy can adapt and evolve as the PUD moves into the future.

Figure 1-3. All Years of Study Period



D. Action Plan

Action Plan items identify the actions and activities the PUD expects to take in the time period between adoption of the 2023 Update and adoption of the 2025 Comprehensive IRP. When implementing a flexible Resource Strategy during a period of complex electric industry change, the PUD must balance concrete proactive actions with actions that will enable prudent future decision-making. As a result, the action plan includes: (1) specific actions the PUD will take, (2) Due Diligence activities that must be started in order to enable future possibilities, and (3) analytical enhancements that will enable continuous improvement for resource acquisition decision-making. Through adoption of the 2023 Update, the Commission will direct PUD staff to undertake these actions. Progress made toward completing this Action Plan will be described in the 2025 Comprehensive IRP.

- **Actively engage with BPA’s post-2028 contract process and analyze new power products**
 - The PUD’s BPA Power contract accounts for roughly 85% of the PUD’s current portfolio. Our current BPA contract expires in 2028, and the PUD expects to be able to sign a new contract in the fall of 2025. Negotiating the new BPA contract and fully evaluating all BPA Power Product offerings is essential to understanding future resource needs.

- **Acquire 10.54aMW or more cost-effective conservation by 2025**
 - The 2023 Update sets a biennial conservation target of 10.54 cumulative annual aMW for 2024-2025. Conservation remains a critical resource for meeting future load growth as it has in previous IRP cycles. The acquisition of conservation savings reduces the demand for electricity, delaying the need to acquire or develop more expensive and/or less effective new resources reducing the overall cost of energy and capacity. This has the effect of deferring additional transmission and distribution capacity upgrades. If the PUD can cost-effectively acquire more than 10.54 aMW of conservation, it would accelerate portfolio benefits and the PUD should identify the resources needed to accomplish such a gain.

- **Continue planned development of additional Time of Day Rate options for customers, and explore additional cost-effective demand response programs**
 - The PUD will leverage Advanced Meters to provide additional rate options for customers. Time-of-Use and Critical-Peak-Pricing programs were successful in shifting customer demand from high-cost periods to lower-cost periods in PUD pilot programs. The PUD will continue plans to offer these programs at scale to customers.
 - The PUD will also explore programmatic demand response programs that appear to have potential for cost-effectiveness. These programs include customer-owned battery programs, and commercial and industrial space heating incentive programs.

- **Develop low-cost, locally sited energy storage, and perform due diligence for future projects**
 - The 2021 IRP targeted 25 MW of energy storage for 2024, and PUD staff are currently pursuing procurement that would add 25 MW in 2025. Staff will continue current efforts to acquire this resource for that time frame.
 - The 2023 Update identifies additional energy storage as helping meet portfolio flexibility needs. PUD staff will undertake due diligence on the siting, development structure, and technology type for future energy storage investments to be ready to act once BPA contract and product parameters are known – likely 2024. This due diligence will include leveraging Energy Storage Department staff, collaboration with PUD system planning

and substation engineering staff, and evaluation of multiple sites for potential development. Site analysis will include analysis of potential long-duration storage opportunities at the Jackson Hydrogeneration campus with the Generation Department.

- **Perform due diligence on regional renewable energy projects, and prepare for potential procurement activity**
 - 200 MW of new renewables are identified in Years 1-10 of the Resource Strategy, dependent on the BPA Power contract and product. This volume of new renewables would replace aging, retiring renewables with newer and more efficient technology. Renewable resources take time to develop and in order to be prepared for potential renewable additions, staff will start due diligence activities now, making flexible procurement plans. Due diligence activities include but aren't limited to: evaluating the potential to access existing projects, monitoring regional RFPs and announced contracts for best practices and price points, evaluating transmission needs, talking with regional peers to identify partnership opportunities, and contacting regional developers to understand what projects are furthest in the development pipeline.
- **Acquire 50MW of short-term market contracts**
 - The 2023 Update identifies a need for a total of 50 MW market-sourced energy and capacity which serve to augment the portfolio until physical renewable resources can be developed or acquired. PUD staff will perform due diligence on the best fit market products, including consideration of specified clean energy contracts that may be available and contribute to Renewable Portfolio Standard goals.
- **Ensure continued compliance with state clean energy mandates**
 - The PUD is committed to meeting or exceeding clean energy and carbon regulatory requirements. The PUD forecast the need to acquire Renewable Energy Credits (RECs) in the near-term for meeting Renewable Portfolio Standards due to growing loads, retiring wind contracts, and a pause in new renewable development and acquisition. PUD staff will continue to establish plans for this budgeted expense. The PUD continues to only consider adding clean energy resources to its long-term portfolio.
- **Continue commitment to best-practice rooftop solar customer processes, while continuing evaluation of Community Solar project opportunities**
 - Customer feedback has consistently indicated a desire for more customer rooftop solar in partnership with the PUD. The Resource Plan evaluated additional incentives for customer rooftop solar based on feedback from the initial Clean Energy Open House but found that additional incentives would have the effect of raising overall costs for customers. While PUD staff will continue to evaluate incentive opportunities, until such time as new incentives are found to be cost-effective for all customers, PUD staff will focus on continuing to offer best-practice processes for customer rooftop solar interconnection.
 - The PUD has been successful in developing cost-effective and inclusive Community Solar projects. PUD staff will continue to explore project opportunities with the potential to develop local low-cost renewables in partnership with customers, including through Community Solar offerings.

- **Perform due diligence on local hydro capacity uprate projects**
 - A hydro capacity uprate project considers adding a small variable height weir at run of river hydro projects which provide run of river hydroelectric projects limited energy shaping capability. This project enhancement could potentially add low-cost capacity to existing PUD projects. PUD staff will perform due diligence on the technical feasibility, costs, and prudence of capacity uprate projects at PUD operated sites.

- **Develop and enhance local partnerships for fusion energy**
 - Snohomish County is home to a developing fusion energy sector and the PUD is well positioned to develop relationships with local fusion energy developers. The PUD will support local fusion companies and continue to follow advances in this sector.

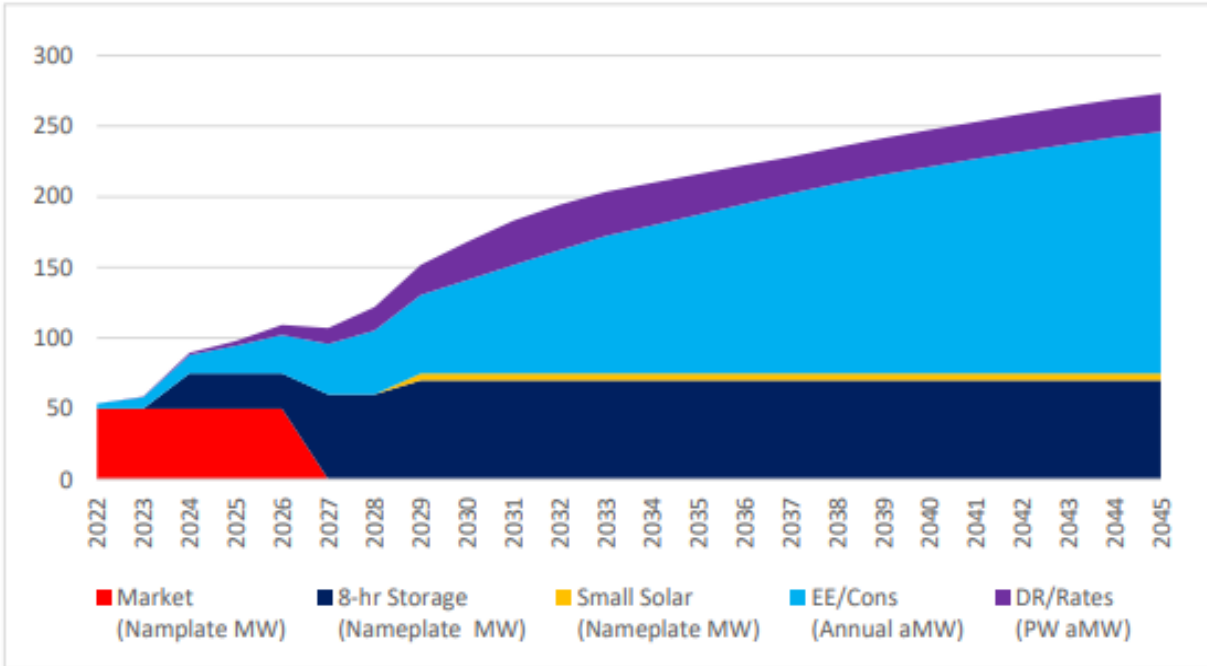
- **Continue participation in regional forums on climate change modeling, resource adequacy development, and organized market formation**
 - The PUD will continue to participate in regional forums and assess impacts associated with climate change, reduction in greenhouse gas emissions, clean energy policy compliance, and regional power and transmission planning efforts. Staff will continue to participate in the development of a regional resource adequacy program to further limit reliability risks to customers. The PUD will continue to participate in regional forums discussing the formation of organized markets in the Pacific Northwest with a focus on ensuring hydropower is appropriately valued, that the economic opportunities and risks of planned dispatchable resources are accounted for, and to appropriately forecast future cost of service.

2. Overview

A. Background and Approach

Snohomish PUD’s 2021 Integrated Resource Plan (“IRP”) was adopted by the Board of Commissioners in December 2021 and covered the 2022 through 2045 study period. It was filed with the Washington State Department of Commerce in December 2021, and forms the foundation for the 2023 Update to the 2021 IRP analysis. The 2021 IRP’s Long-Term Resource Strategy is shown in Figure 2-1 below.

**Figure 2-1: 2021 IRP Long-Term Resource Strategy
Base Case Portfolio Additions**



The same modeling tools for load forecasting, and resource forecasting from the 2021 IRP were used in the 2023 IRP Update, but many of the variables changed. As further described in this study, load forecasts have increased, supply-side costs have decreased, Post-2028 BPA Power contract assumptions have been updated and market price forecasts have increased. These factors all update the 2021 IRP Resource Strategy to generally require more resources to serve future load.

The 2023 Update is based on the same principles and analytical framework as the 2021 IRP:

1. Meet load growth first by pursuing all cost-effective conservation;
2. Understand the probabilistic range of available energy and capability from the PUD’s existing and committed resources and range of impacts on the load resource balance across the 20-year study period;
3. For future load growth not met by the PUD’s existing and committed resources and new conservation acquisitions, pursue clean, renewable resource technologies taking into consideration resource options that provide the optimum balance of environmental and economic elements;

4. Comply with all applicable state laws and regulations, Board policies, and established District planning standards; and
5. Preserve the PUD’s flexibility to adapt to changing conditions.

At the beginning of 2023, the District’s IRP Technical Advisory team defined the scope for the 2023 Update analysis by reviewing the planning environment and key planning assumptions. The team also incorporated several after action review and process improvement items from the 2021 IRP analysis.

The 2023 IRP Update studies the 2024 through 2045 period across three different futures: the “expected” or Base Case, the Low Growth Case, and the High Growth Case. The analyses performed also test sensitivities to the Base Case if the PUD were to purchase different Bonneville Power Administration (BPA) power products.

B. Regulatory Requirements

Integrated Resource Planning – RCW 19.280

As a utility with more than 25,000 customers and that does not rely upon BPA for all of its energy needs, the PUD is required under Washington law to create a comprehensive IRP every four years. The PUD must also update those IRPs after two years to document progress on the plan and reflect changing conditions.

The 2023 Update is consistent with the PUD’s state regulatory requirements, reflecting a progress report to the 2021 IRP analysis with least cost/least risk portfolios to meet future load growth across three different futures. The evaluated portfolios considered a mix of demand and supply-side resources, including renewable and nonrenewable resources. The 2023 Update also incorporates the results of a new Conservation Potential Assessment (CPA) using an integrated portfolio approach for three different futures, using a societal cost of carbon. The Long-Term Resource Strategy identified a 10-year conservation potential estimate of 92.8 aMW for the 2024 through 2034 study period.

Energy Independence Act (EIA) – RCW 19.285

The 2023 IRP Update considers the requirements of the EIA and incorporates them into each of its scenarios. While further detail can be found in Section 7, the 2023 IRP Update finds that the PUD will meet its Washington state annual Energy Independence Act (EIA) renewables requirement through 2030 utilizing a combination of renewable energy credits (RECs) from existing PUD renewable resources, incremental hydro, and RECs allocated through the BPA long-term power contract and acquired from the market. Given the PUD’s forecast surplus annual energy position under average water conditions, procuring some portion of compliance RECs from third parties in the 2020 - 2029 period was identified to be the most cost-effective way to meet the EIA’s RPS requirements at this time.

Post-2030, the EIA compliance pathway provided under the Clean Energy Transformation Act for 100% clean utilities provides significant incentive for the PUD to reach 100% clean ahead of the 2045 requirement date; all scenarios indicate this is a high plausibility occurrence.

Clean Energy Transformation Act (CETA) – RCW 19.405

CETA requires utilities to have at least 80% clean energy by 2030 and 100% by 2045. Because the PUD is expected to clean attributes surplus to its load in most scenarios from 2022 to 2045, and because the PUD has committed not to acquire any emitting resources for its portfolio, it is anticipated that the PUD will be able to satisfy all CETA standards. Further discussion of how the PUD performed this analysis is provided in Section 5.

Climate Commitment Act (CCA) – RCW 70A.65

The Climate Commitment Act, also called the Cap and Invest program, establishes a cap on carbon emissions economy wide in Washington state with specific provisions for electric utilities. Because the program is primarily measured on an operational basis, there is no specific requirement to include a planning component in the IRP. However, the CCA represents an important regulation upon electric markets and affects prevailing market prices. These effects will be monitored and incorporated into the next comprehensive IRP.

C. Progress on 2021 IRP Action Plan

The 2021 IRP Action Plan has seen significant progress since its adoption as follows:

1. Pursue all cost-effective conservation

The PUD is pursuing all cost-effective conservation to meet the 2021 IRP targets. The 2022-2023 Biennium target is 7.90aMW and in 2022 the PUD acquired 5.54aMW and is on pace to acquire 4.5aMW in 2023 for an expected total of roughly 10aMW.

2. Pursue acquisition of significant long-duration utility-scale energy storage

After performing a feasibility study for energy storage options, the PUD began procurement of a locally sited 25MW, 100MWh battery. At the time of publication, it is expected that this procurement activity is likely to result in a commercial operation date of 2025 for this resource, though that process is not complete.

3. Develop a roadmap to significant, lowest-cost Demand Response programs

Automated Metering Infrastructure (AMI) rollout enables the PUD to implement low-cost Time-of-Day and demand response programs. The PUD has developed specific plans to offer Time-of-Day rate options for customers in alignment with AMI rollout. Those plans were discussed with the Commission during an August 22, 2023 Commission Briefing, and are modeled in the 2023 IRP based on their forecast ability to shift load for participating customers.

4. Further develop geospatial modeling capabilities of demand-side resource potential

The PUD has developed geospatial indices for the location of conservation and demand response potential across its Distribution System as part of the Conservation Potential Assessment and Demand Response Potential Assessment processes, and identified the leveraging and development of this data as an item in its organizational Strategic Plan.

5. Continue to enhance and leverage short and long-term resource portfolio modeling capabilities

The PUD has significantly improved the modeling of energy storage resources both as standalone projects and when directly paired with renewable generation. Resource models in the 2023 Update incorporate firming in order to dispatch renewable resources into peak week hours. Additionally, staff

built a portfolio optimization model built to optimize resources around the BPA Load-Following Product for use in 2023 Update, as well as the rate and product design portions of the BPA contract negotiation.

6. Continue to participate in regional forums and assess impacts associated with climate change

District staff continue to engage with regional forums and incorporate climate change into the IRP load forecasts and resource characteristics. The PUD works with the Bonneville Power Administration to determine any seasonal effects of climate change regarding hydrology and hydropower. Additionally, clean energy mandates imposed by state law underscore our customers' desire to be served by carbon-free energy. This is reflected in the PUD's 2021 Clean Energy Implementation Plan (CEIP).¹ The PUD will continue to iterate upon the existing CEIP both internally and with regional partners as part of the PUD's commitment to clean energy.

7. Continue to participate in the development of a regional resource adequacy program

The PUD has completed a Western Resource Adequacy Program Agreement (WRAPA) and selected a binding season to coincide with other regional peers. This binding season represents the date that the PUD will be subject to the WRAP and be required to meet resource adequacy standards. WRAP is still under active development and the PUD is advocating for targeted improvements to the program while checking resource plans against potential future WRAP requirements.

8. Continue to participate in regional forums discussing the formation of organized markets

The PUD has continued to engage with the regional market development efforts and committed to funding Phase One development of Southwest Power Pool's Markets+ initiative. The PUD also joined the California Independent System Operator (CAISO) Energy Imbalance Market vicariously through BPA's market entrance and is actively working on CAISO's Enhanced Day Ahead Market (EDAM).

9. Continue to participate in the Post-2028 contract negotiation process with the Bonneville Power Administration

PUD staff are heavily involved with BPA's Post-2028 contract discussions providing technical leadership and regional advocacy. The PUD has been involved in the Post-2028 process primarily through direct advocacy, and also partners with regional entities that share common goals and principles such as the Public Power Council, and other Slice and planned product customers. This action item is ongoing and represents a key component in the PUD's future portfolio.

¹ 2021 Clean Energy Implementation Plan. https://www.snopud.com/wp-content/uploads/2022/12/2022-2025_CEIP_Draft_122122_AppUpdate.pdf

3. Changes Reflected in 2023 IRP Update

The 2023 Update reflects fundamental planning assumption variables that have changed since the PUD’s 2021 Integrated Resource Plan. In particular, the two most significant variable changes are an increased load forecast due to electrification and the Federal Inflation Reduction Act’s (IRA) cost reduction effects on certain supply-side resources.

A. Revised Load Forecast

Across each of the three scenarios studied in this IRP, revised load forecasts predict a relative increase in net load by sector when compared to the 2021 IRP. This net increase does not manifest until approximately 2030 at which time significant new electrification occurs, such as electrifying buildings and new electric vehicle load. Anticipated new electrification is the biggest single driver of increasing net load. Figure 3-1 below shows load growth for the base case scenario relative to the corresponding 2021 IRP’s base case. Each line represents net system load after forecast energy efficiency and rooftop solar, with red representing the 2023 Update and the black representing the 2021 IRP.

Figure 3-1: Annual average load forecast changes and load segments

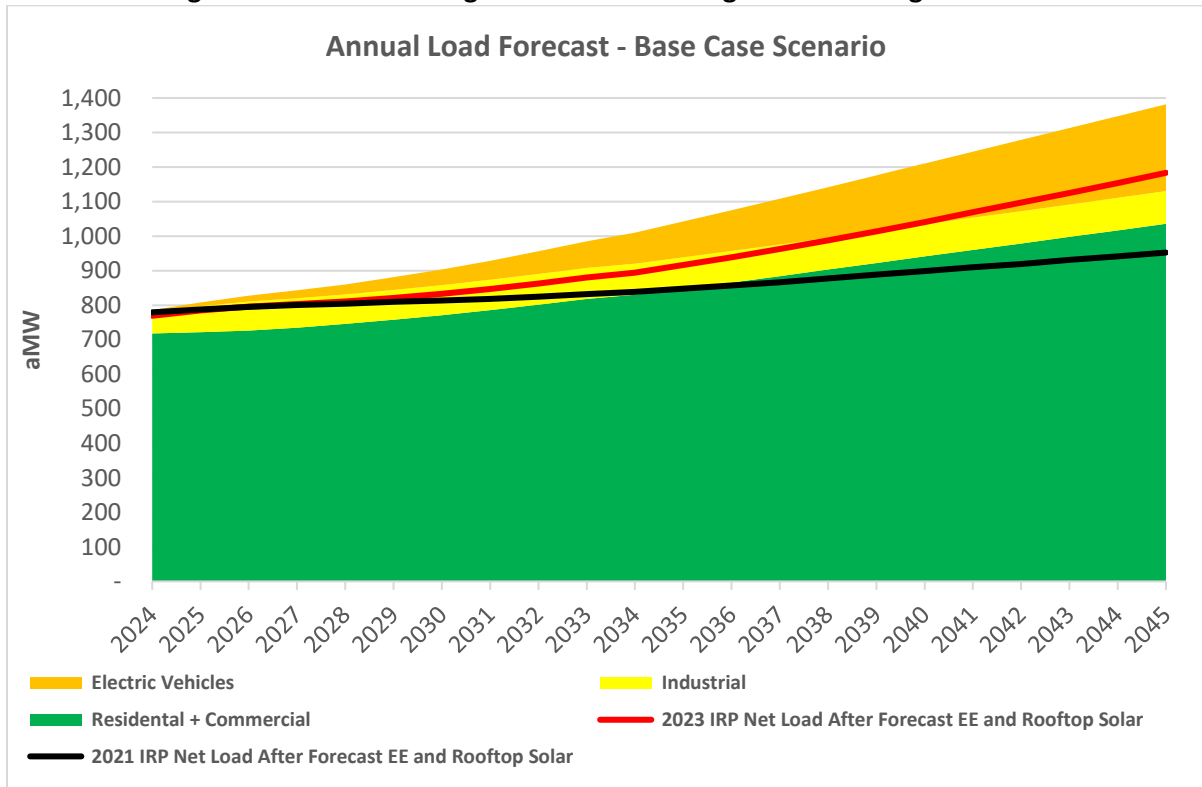
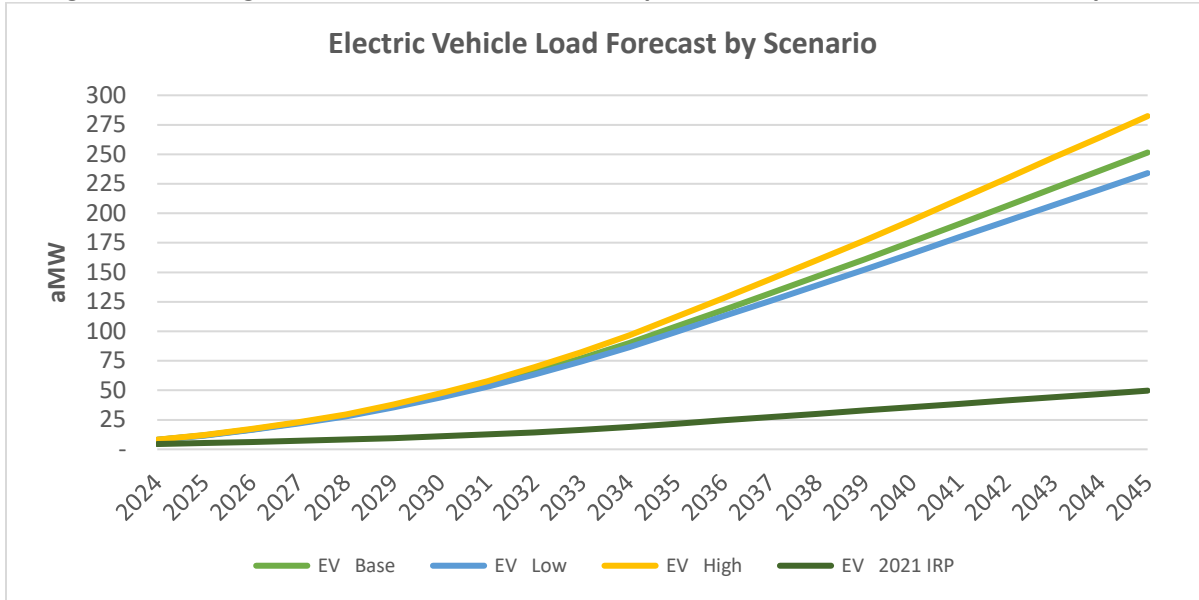


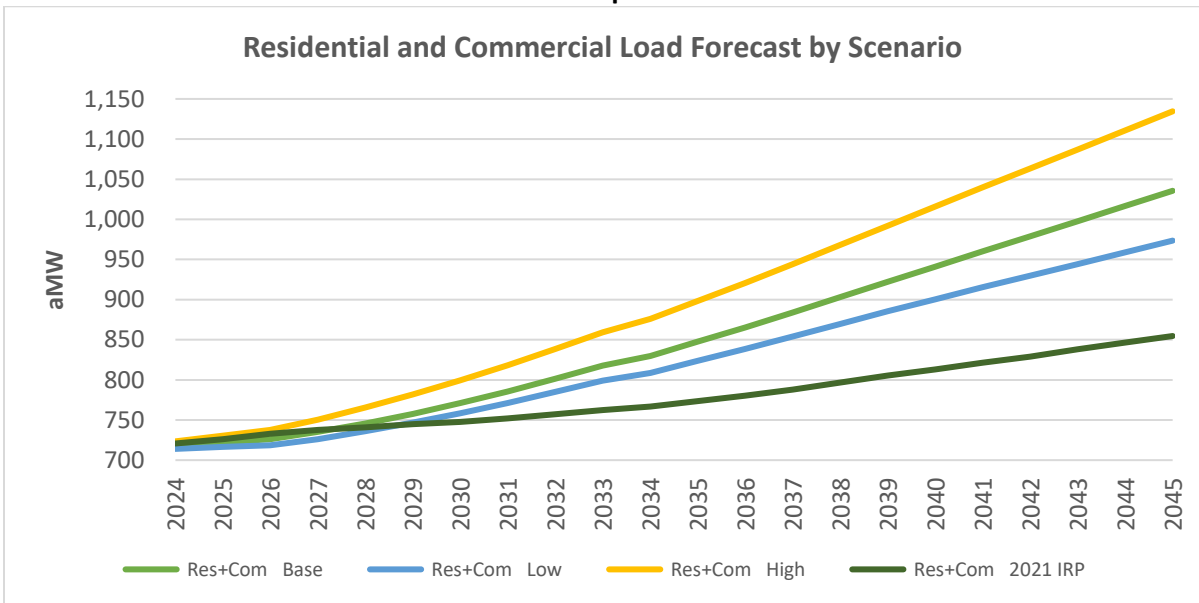
Figure 3-2 below shows the electric vehicle load forecast difference between the 2021 IRP and the 2023 Update before new conservation is considered. The 2023 Update includes significantly more forecast electric vehicle load regardless off the scenario (Low, Base, or High).

Figure 3-2: Changes in electric vehicle load assumptions between 2021 IRP and 2023 Update



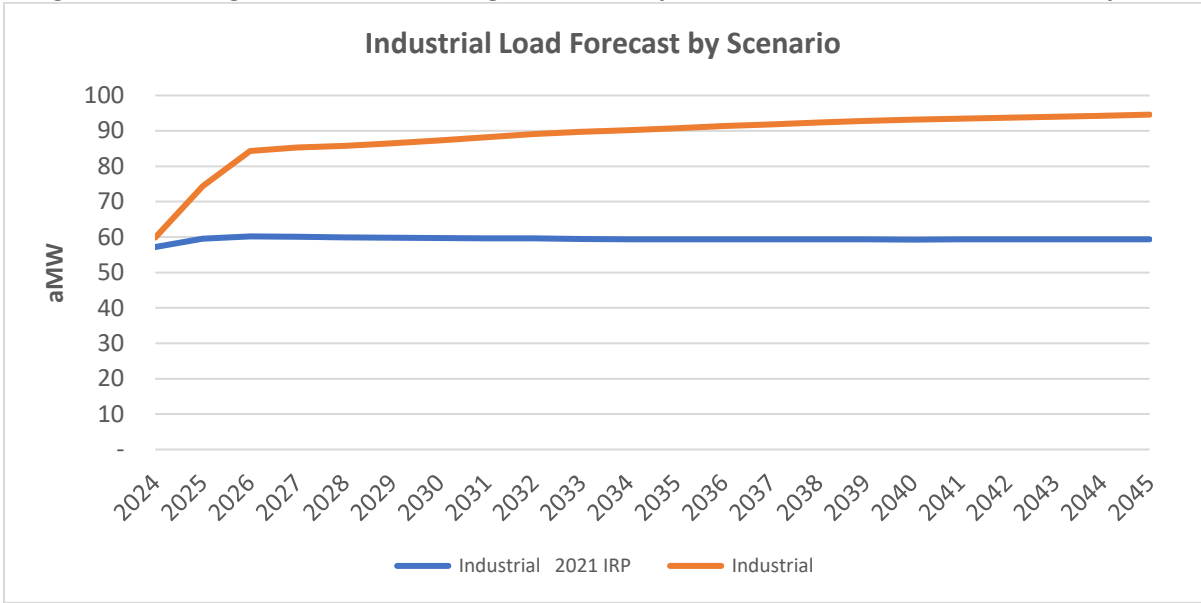
Residential and commercial load forecasts are increasing largely due to building electrification and population growth. In the Base Case scenario, this change in forecasts largely occurs after 2028. Figure 3-3 below shows this growth before new conservation is considered.

Figure 3-3: Changes in residential and commercial load growth assumptions between 2021 IRP and 2023 Update



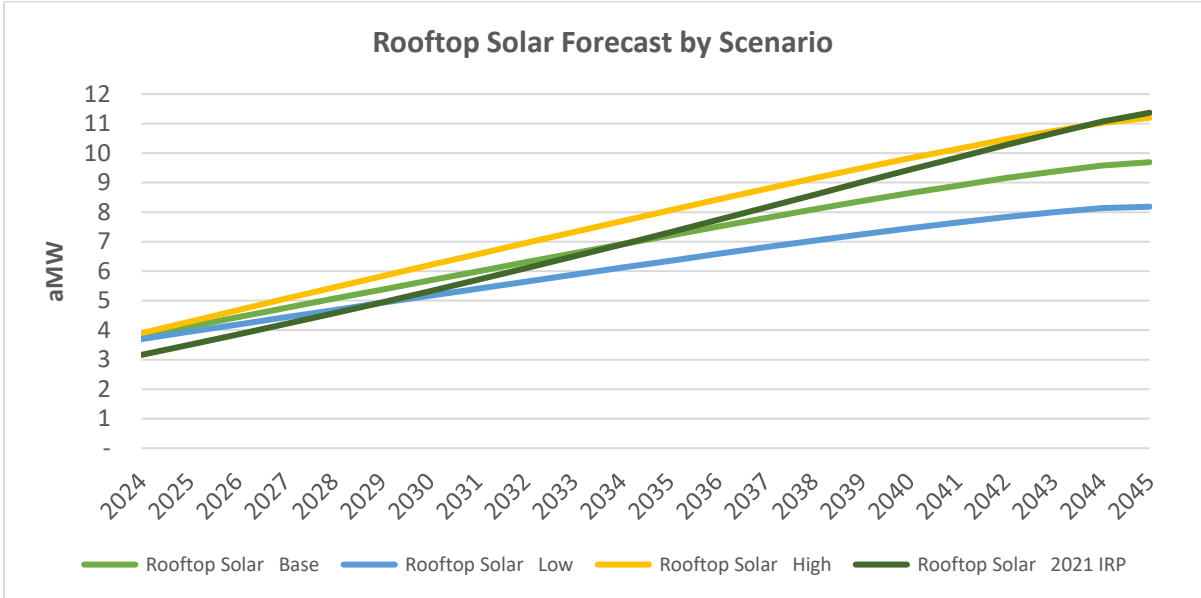
The increasing industrial load forecast is driven primarily by a new planned recycling center, with other planned expansions of local industry over the first two to three years. The industrial load forecast is identical in each of the low, base, and high growth scenarios. Figure 3-4 below displays this industrial growth before new conservation.

Figure 3-4: Changes in industrial load growth assumptions between 2021 IRP and 2023 Update



The rooftop solar forecast has been adjusted slightly as reflected in figure 3-5 below. The forecast change reflects a higher than forecast installed nameplate as a starting point, with a lower level of forecast growth over time than the 2021 IRP. Rooftop solar has the effect of reducing the load needed to be served by the PUD.

Figure 3-5: Changes in rooftop solar growth assumptions between 2021 IRP and 2023 Update



Peak net load is a significant driver of resource acquisition. The PUD must be able to cost-effectively meet load during periods of high demand. These periods typically happen during extreme weather events and/or poor hydrological conditions. If the PUD does not have enough portfolio resources to meet these severe events, energy acquired in the wholesale energy market exposes the PUD to significant market price risk. Figures 3-6 and 3-7 below respectively show the expected (or P50) and

1-in-20 (or P95) net peak load growth forecasts by month throughout the full IRP study period. In general, Peak loads for all months are expected to grow, peak loads in the winter (January, February, November, and December) are expected to remain the PUD’s peak load months, and spring months are expected to remain lower peak load months. Of course, actual weather will dictate actual peak load months within a year. All forecasts explicitly account for climate change impacts on temperature distribution changes across the study period.

Figure 3-6: P50 Net Peak Load by Month 2024-2045

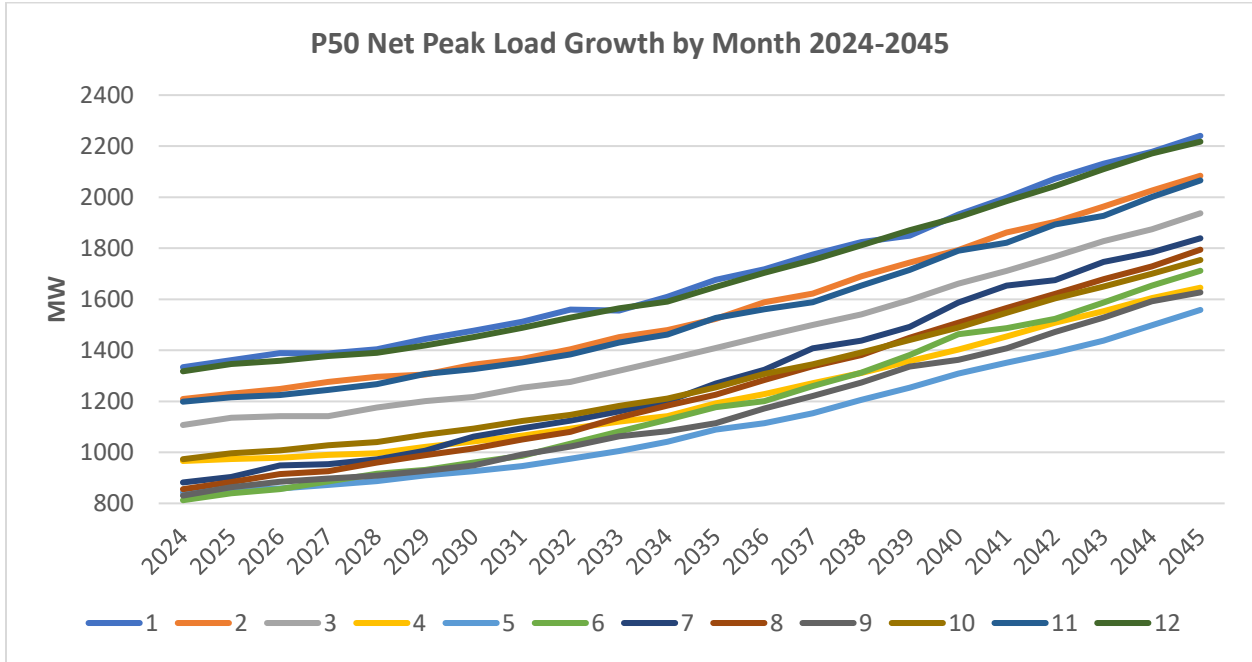
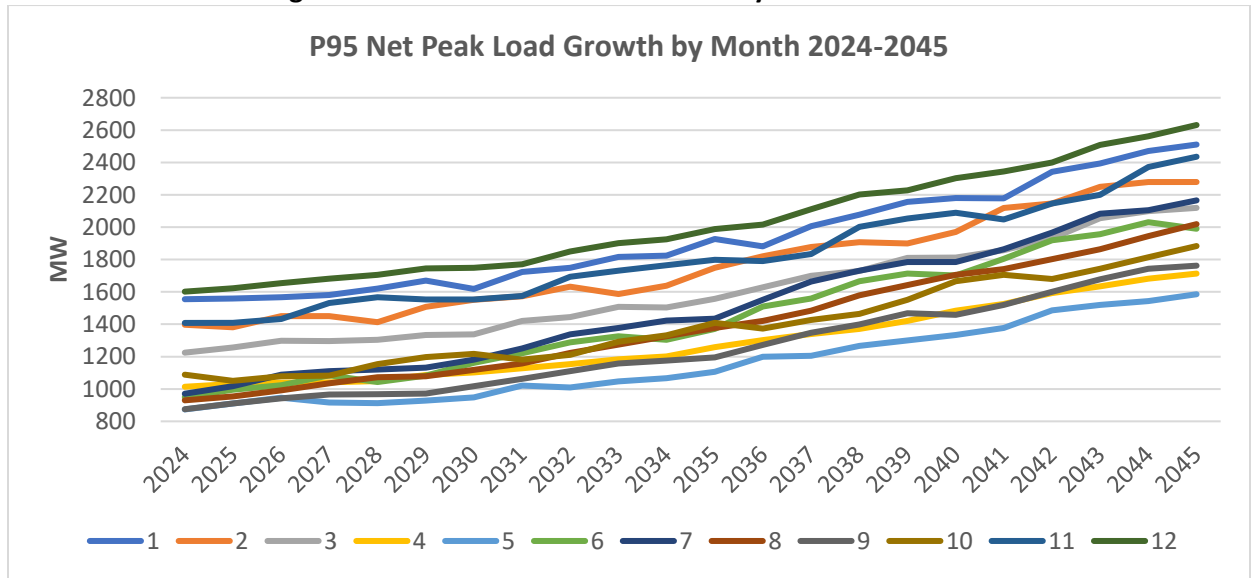


Figure 3-7: P95 Net Peak Load Growth by Month 2024-2045



B. Revised Capital Cost of Supply-side Resources

As new technologies are discovered and existing technologies shift over time, the costs of supply-side resources typically change from one IRP cycle to another. The 2023 Update captures these technological and commercial maturations, generally pushing down capital costs of resources such as renewables and batteries. National Renewable Energy Laboratory’s annual All Technology Bulletin report informs the PUD’s perspective on the impacts of technological change on cost². In addition, this update also considers the new federal tax credits as passed in the Inflation Reduction Act of 2022 (IRA).

The IRA provides a tax credit relative to the capital cost of a new resource if that resource meets certain established criteria. Generally, new renewable and new energy storage resource developments are eligible for the tax credit if construction starts within a given timeframe. The credits diminish for resources starting construction in 2034 and disappear entirely by 2036. The amount of the tax credit is also highly variable based attributes of the project itself, such as the physical location of the resource, domestic material contents, and finance structuring. For the 2023 Update, the PUD assumed a base tax credit of 30 percent for all eligible new resources built before 2034, and then adjusted accordingly based on how the PUD may plan to finance a new utility-scale resource development, and the impact of project development timing on tax credits.

C. Revised Market Price Forecast and Approach

The pacific northwest has seen increasing volatility in its wholesale energy market over time, particularly during adverse regional weather events such as cold snaps, heat waves, and dry seasons. To reflect this increasing risk, this IRP update has adopted a new approach for determining the optimal portfolio buildout and resource strategy.

In previous IRPs, a portfolio was only tested against its assigned market environment. For example, the base case scenario would only be tested against the base case market environment. However, in this IRP update the base case portfolio buildout is tested against all market environments to measure how that portfolio performs under varying market conditions. Figure 3-8 below shows the whole market energy price³ forecast by scenario at the Mid-Columbia trading hub. Price forecasts range from declining, flat, to increasing.

² 2022 NREL ATB Report: <https://atb.nrel.gov/electricity/2022/index>

³ As in the 2021 IRP, the 2023 Update builds into each market energy price forecast the social cost of carbon as defined by the Clean Energy Transformation Act. [Social Cost of Carbon \(wa.gov\)](#)

Figure 3-8: Annual Average (or “Flat”) Market Price Forecast by Scenario

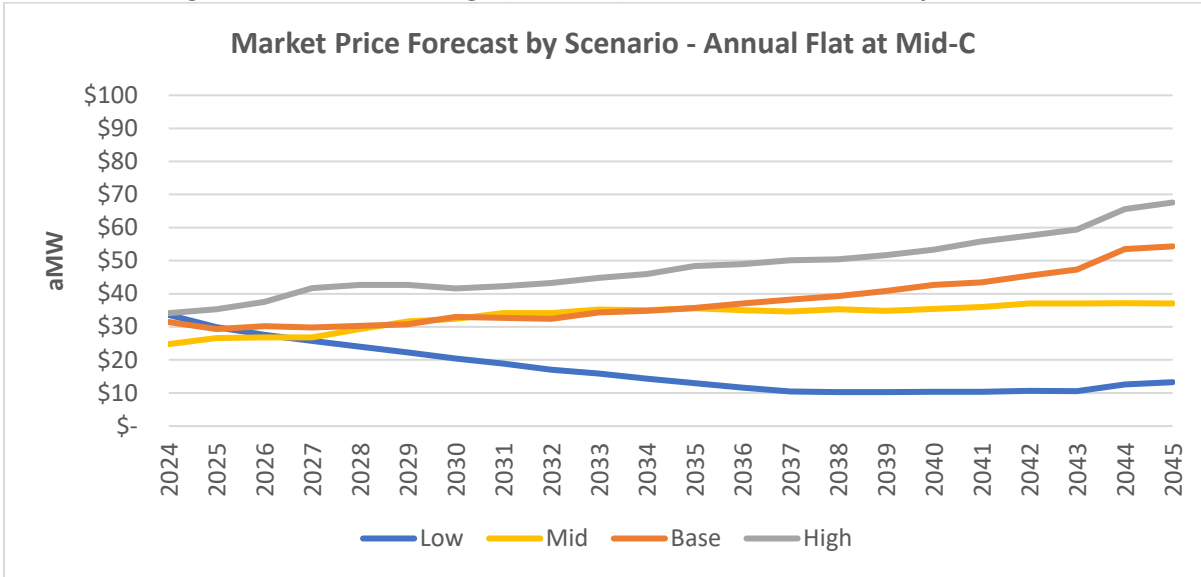


Figure 3-9 below shows the winter seasonal on-peak (HLH) wholesale energy price forecast by scenario. Prices range from declining to increasing, and most winter on-peak energy prices are higher than annual average market prices.

Figure 3-9: Winter On-Peak Energy Prices by Scenario

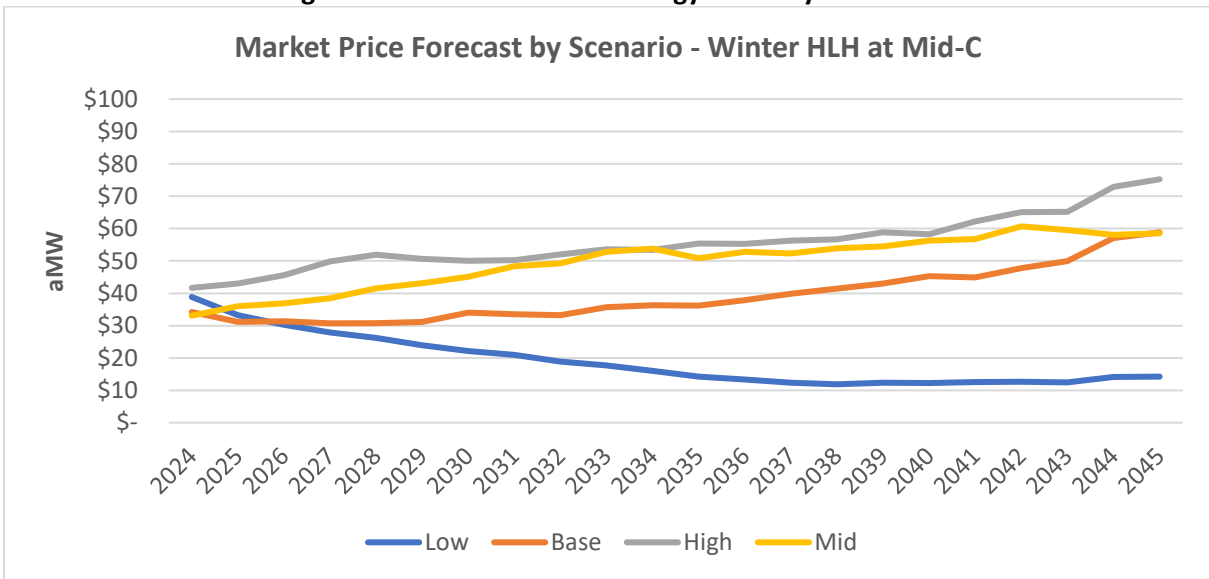
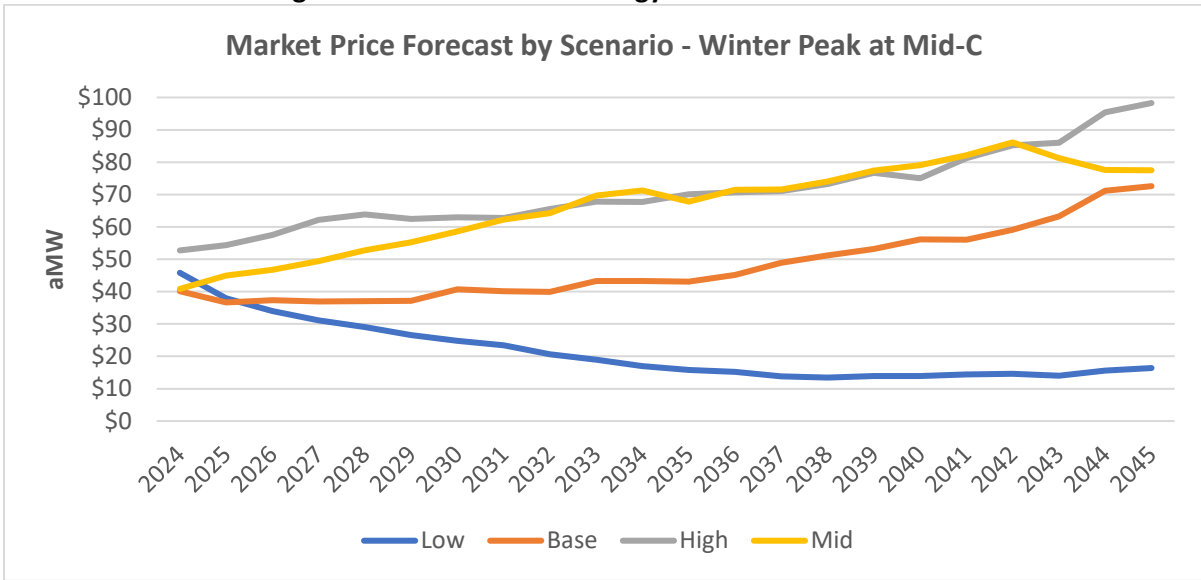


Figure 3-10 below shows the winter seasonal peak week wholesale energy price forecast by scenario. Winter peak prices represent energy prices during the 8 hours during the day with highest regional loads. While price forecasts vary, in general they are significantly higher than average winter seasonal on-peak prices and annual energy prices.

Figure 3-10: Winter Peak Energy Market Price Forecast



D. BPA Assumptions

The PUD’s BPA power contract is a significant portion of the PUD’s power supply, representing approximately 85% of its overall portfolio. As such, the upcoming long-term BPA contract will continue to play a major role in how the PUD serves its customers cost-effectively. That contract will start at the expiration of the current contract (2028), and is expected to stretch until 2045. At the time of this update, there is still uncertainty regarding the exact specifications and allocation of BPA Tier 1 power.

The 2023 Update assumes an allocation of 755 aMW of BPA Tier 1 power based upon the most recent information available from the Post-2028 BPA contract process. While this number could still change it is worth noting this is slightly less (1.3%) than assumed in the 2021 IRP at 765 aMW. While each scenario assumed the PUD would continue to purchase the Block and Slice product, analysis was also performed to determine whether BPA’s Load Following product could be a better fit for the next BPA contract period. The results of this analysis are found in section 6 of this 2023 Update.

BPA Tier 2 power is also a significant consideration. BPA offers Tier 2 energy when customers need to serve load that is in excess of their Tier 1 allocation. Tier 1 power is energy provided at cost to customers from the low-cost federal system, and it has an average current cost of around \$35 per MWh. Tier 2 power can be sourced from either the wholesale market (deemed “Short-Term Tier 2”) or from new physical resources (deemed “Long-Term Tier 2”), and is priced at either the wholesale market or the cost to develop new resources. Today, both forms of Tier 2 would be significantly more expensive than Tier 1. The PUD has not needed to purchase a Tier 2 product under its Regional Dialogue contract. However, due to significantly increased load forecasts, the PUD may exceed its Tier 1 allocation within the first year of the new contract, and it is expected that some level of Tier 2 service could help serve load and diversify load service sources.

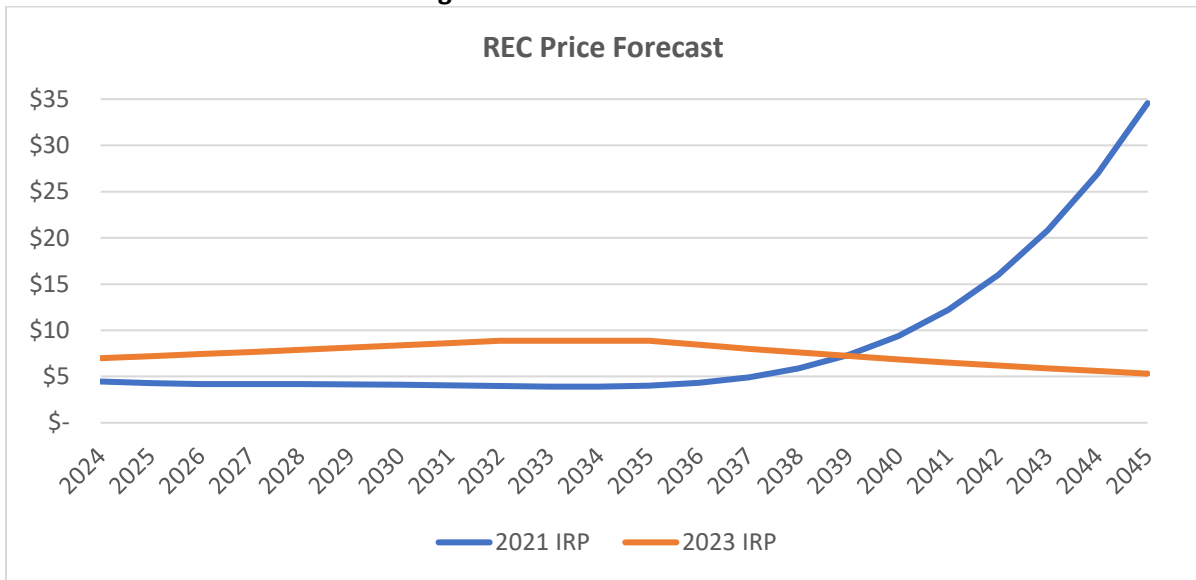
For planning purposes and risk mitigation, the 2023 Update assumes the PUD would be most interested in Long-Term Tier 2 sourced from clean energy sources, and puts a 200 aMW cap on the amount of long-term Tier 2 available in the optimization. Long-term Tier 2 provides price stability

due to its basis on long-term assets, and should also help the PUD with clean energy and carbon regulatory compliance. The PUD expects it would have access to additional Short-Term Tier 2 after if it has exceeded its elected cap of Long-Term Tier 2. The PUD seeks to line up this optionality for potential lower wholesale electricity prices in the future in the event regional renewable resource build out for clean energy policies pushes down wholesale prices as forecast. All Tier 2 product features are subject to change through the Post-2028 BPA contract negotiation period, and specific assumptions will be re-evaluated once final details are available.

E. Other Planning Assumption Updates

The Renewable Energy Credit (REC) price forecast has been updated. Staff analysis found that the 2021 IRP's REC price forecast overvalued RECs during the final years of the study period. Figure 3-11 below shows the revised price forecast.

Figure 3-11: REC Price Forecast



4. Resource Need

The planning standards and analytical framework used in the 2023 Update have not changed from the 2021 IRP. The load forecast is an econometric stochastic model developed internally to provide a range of load forecasts for each scenario. Further, climate change and weather volatility are factored into customer load forecasts and hydrogeneration capability probabilistically to create a load-resource balance forecast.

The framework requires all portfolio buildouts to meet the following planning standard metrics:

- 1) Fiftieth Percentile Annual Energy – The portfolio must meet average annual energy demand across all years at expected or median conditions.
- 2) Fifth Percentile Monthly On-Peak Heavy Load Hours (HLH) – The portfolio must meet monthly on-peak demand 19 out of 20 times. This standard allows up to a 100 aMW deficit under P5 conditions.
- 3) Fifth Percentile Monthly Peak Week (PW) – The portfolio must meet monthly PW demand 19 out of 20 times. This standard allows up to a 150 aMW deficit under P5 conditions.
- 4) Regulatory Compliance – The portfolio must comply with all regulatory requirements such as, but not limited to, the Energy Independence Act, Clean Energy Transformation Act, and newly added sections of the Electric Utility Resource Plan statute⁴.

As with the 2021 IRP, the two most constraining metrics are the P5 Monthly HLH and the P5 Monthly PW standards. Effectively, solving for these two metrics solves for all binding metrics. Figure 4-1 below shows the P5 Monthly HLH net position for each scenario assuming only planned conservation from the 2021 IRP. Exceedances in the planning standard occur when any scenario represented falls below -100 aMW on the vertical axis. Generally, exceeding the P5 Monthly HLH standard was solved by adding new energy generation resources and new additional energy efficiency.

⁴ Sections added by 2022-2023 Legislature Senate Bill 5165 regarding Transmission Planning.

Figure 4-1: P5 Monthly HLH Net Position Forecast before New Resources by Scenario

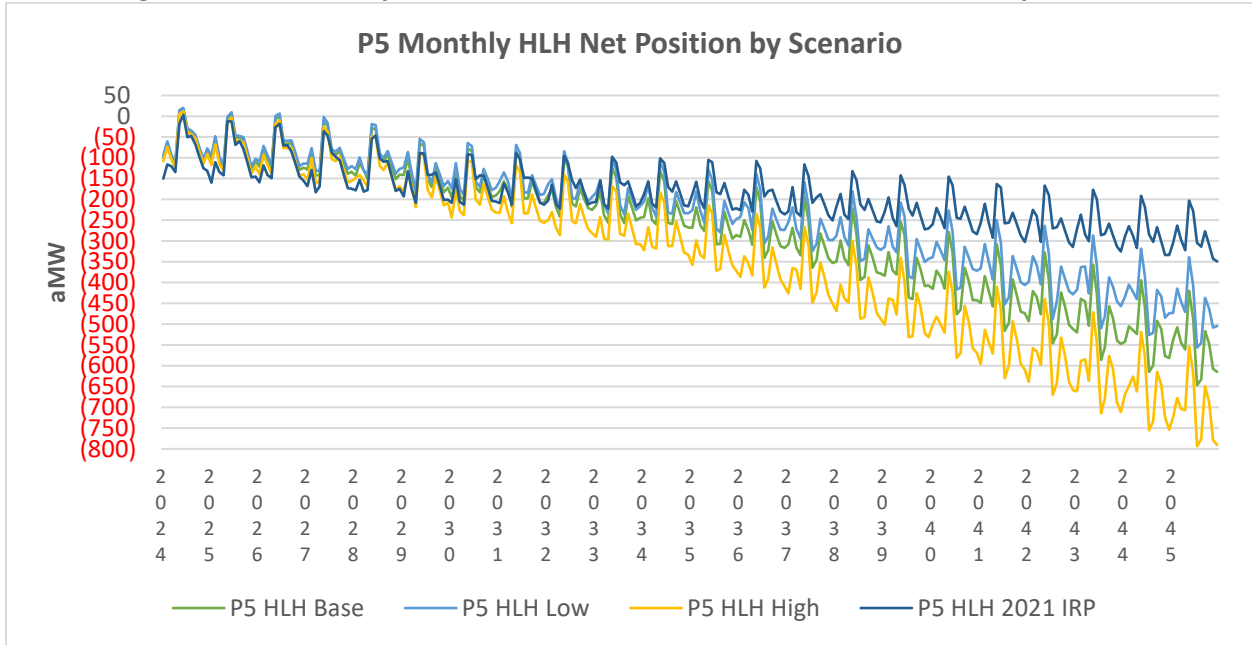
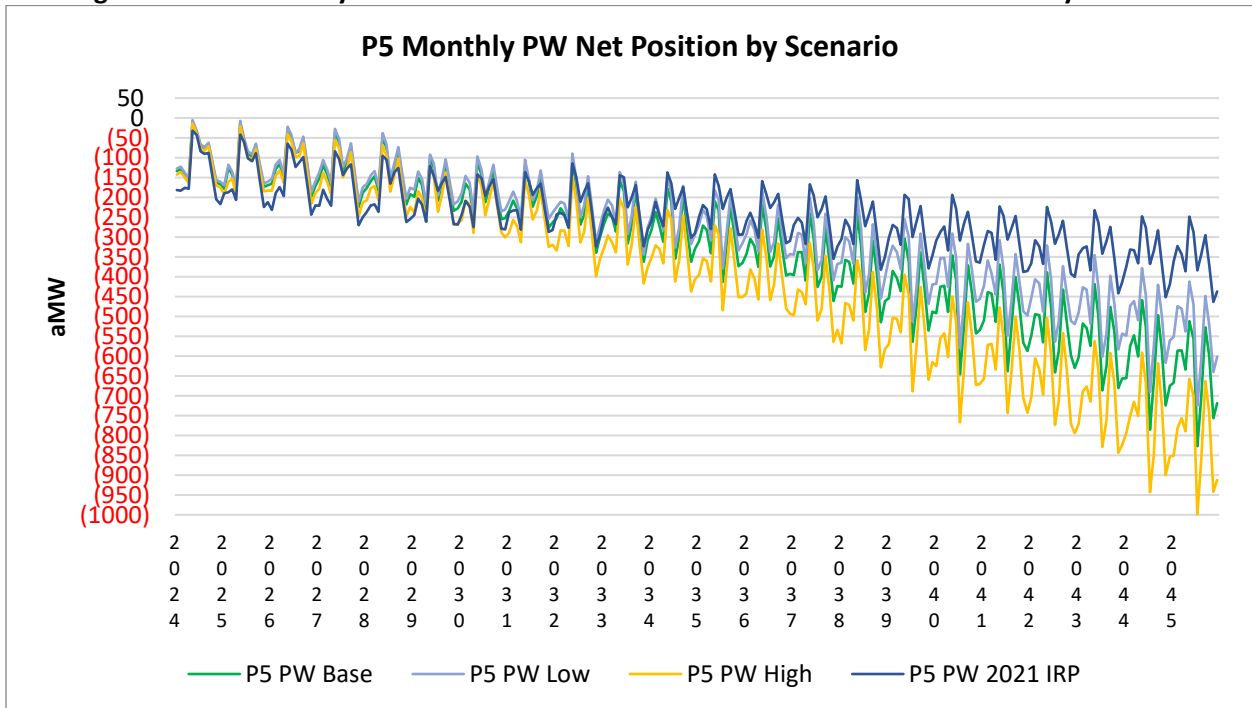


Figure 4-2 below shows the P5 Monthly PW standard net position for each scenario after planned conservation from the 2021 IRP. Exceedances in this planning standard occur when any scenario represented falls below -150 aMW on the vertical axis. Generally, exceeding this planning standard was solved by adding new capacity resources such as energy storage and demand response.

Figure 4-2: P5 Monthly Peak Week Net Position Forecast before New Resources by Scenario



Finally, the 2023 IRP Update considers a non-binding metric based off of the Western Resource Adequacy Program's (WRAP) qualified capacity credit (QCC) framework and cost. The WRAP program is still in development and many metrics produced by the program are dependent upon the number of regional participants and how the program integrates with organized markets efforts in the western United States. WRAP needs are also closely correlated with measured Peak Week needs. For the 2023 Update, the planning framework does not introduce a new WRAP planning standard for portfolios, but does measure any forecast additional needs independently and in parallel with portfolio solutions on an advisory basis. This advisory treatment in the 2023 Update allows an evaluation of how portfolio buildouts for any scenario work with potential WRAP obligations, and if any additional needs would be present based on currently available information. It is anticipated that the internal IRP framework will incorporate a long-term binding WRAP metric into the planning standards in the comprehensive 2025 IRP.

5. Resource Options

The IRP's analytical approach to identifying resource needs also considers scale, timing, and probability. The PUD uses an integrated portfolio approach to finding the most cost-effective portfolio additions. The integrated portfolio approach evaluates demand-side resources, supply-side resources, and market resources (including the market for environmental attributes) in a single economic optimization, allowing the PUD to observe multiple dimensions of potential resource value.

For conservation, this approach helps to quantify its peak capacity contributions relative to other resources, while simultaneously valuing its regulatory compliance value of reducing load. Supply side and demand side resources are evaluated using the same measurements: their potential contributions to capacity, energy, and satisfying regulatory requirements. In this way, portfolios assembled the best mix of demand and supply side resources to meet that scenario's future need, based on least-cost criterion.

A. Demand-Side Resources

The PUD with contracted Lighthouse Energy Consulting for a 2023 Conservation Potential Assessment (CPA) and 2023 Demand Response Potential Assessment (DRPA). These reports identified the available demand side resources.

i. Conservation

The CPA identified all achievable potential conservation within the PUD's service territory over the 22-year study period. The CPA used measures' savings, costs, and other characteristics based on the measures included in the Northwest Power and Conservation Council's (NWPCC) 2021 Power Plan, with updates from the Regional Technical Forum (RTF) and additional customizations to make the measures specific to the PUD.

The 2023 IRP incorporates the results of the CPA into its integrated portfolio approach to identify the portion of achievable potential that is considered cost-effective within each scenario. The methodology employed in the 2023 IRP Update is the same as the 2021 IRP.

The CPA assessed each achievable technical conservation measure and sorted the measures into two seasonal bins with eight different sub-bins organized by leveled cost. The two seasonal bins are annual measures and winter measures, where annual measures reduce load an annual basis, and winter

measures which reduce load only in the winter months of November through February. This organization methodology produces a total of 16 “bundles” of conservation measures from which the 2023 IRP economic optimization model could select, alongside supply-side resource options, that most cost-effectively meets that portfolio’s needs. For a comprehensive list of studied measures see the 2023 Conservation Potential Assessment.

Figure 5-1 displays the annual energy savings achievable from the “Annual Measure” bundles, by price point. The majority of the available savings are inexpensive, under \$45 per MWh with smaller volumes available of more expensive measures.

Figure 5-1: Annual Energy Savings from “Annual Measure” Cost Bundles

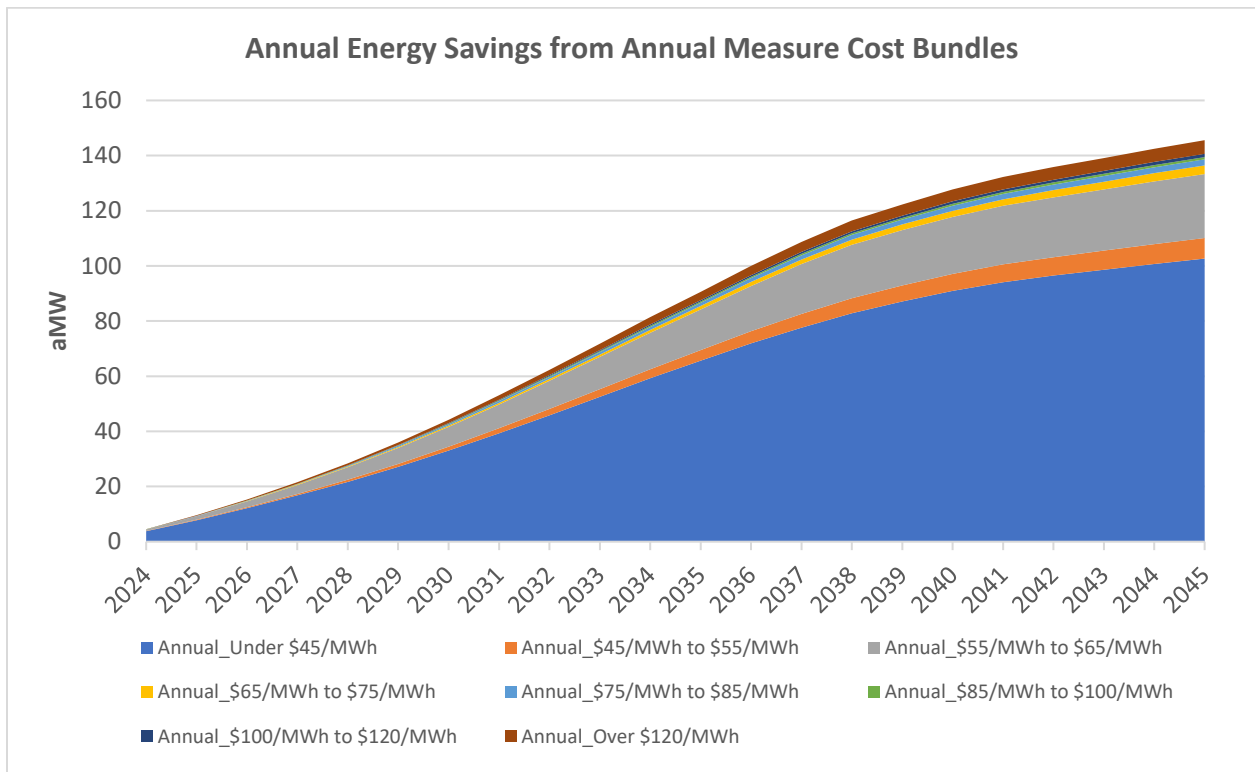
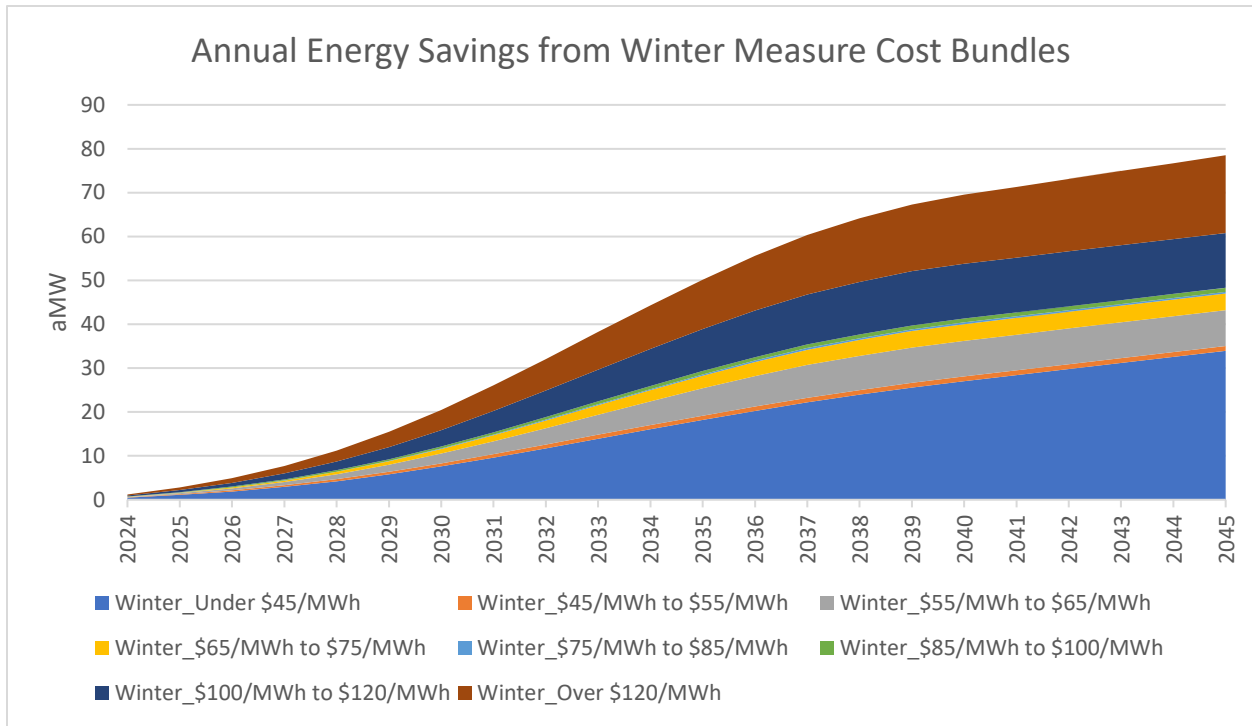


Figure 5-2 displays the annual energy savings achievable from “Winter Measure” bundles, by price. The potential is more evenly spread across price points, with low-cost measures (under \$45/MWh) representing about half of overall potential.

Figure 5-2: Annual Energy Savings from “Winter Measure” Cost Bundles



ii. Peak Demand Management

Peak demand management through customer load shifting represents a new opportunity for the PUD to manage energy. The Northwest Power and Conservation Council’s 2021 Power Plan defines demand response as “a non-persistent intentional change in net electricity usage by end-use customers from normal consumptive patterns in response to a request on behalf of, or by, a power and/or distribution/transmission system operator”⁵. Driving the need for cost effective capacity options are growing peak loads and increasing local and regional use of non-dispatchable renewable energy sources.

Peak demand management mitigates the system peak, helps integrate renewable energy resources, and alleviates transmission and distribution congestion. Examples of peak demand management include:

- Time-of-Day rate programs, which enable new rate designs for achieving peak reduction and load shifting through financial incentives and time-sensitive pricing changes.
- Demand response or direct load control enable the utility to have direct control over sending a reduction signal via a pricing event or equipment programming. Direct load control programs grant more reliable demand impacts for the increased costs associated with 3rd party equipment installation.

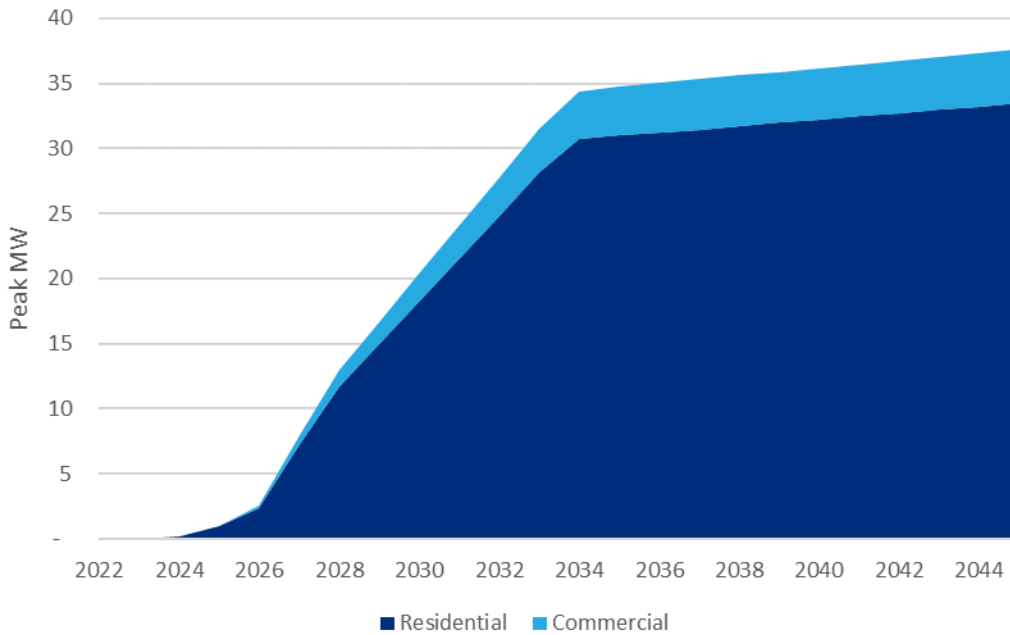
⁵ 2021 Northwest Power Plan [The 2021 Northwest Power Plan \(nwcouncil.org\)](https://www.nwcouncil.org)

a. Time-of-Day Rates

In 2022 the PUD commissioned Lighthouse Energy to develop a Demand Response Implementation Plan in response to the PUD’s 2021 Clean Energy Implementation Plan demand response target for 5.6MW of peak hour reduction. The goal of the effort was to define a rate offering pathway that was achievable, provided more customer rate options, and was well aligned with the rollout of advanced meters which are required for Time-of-Day rates. The FlexEnergy pilot program for advanced rates demonstrated the efficacy of rate designs within Snohomish PUD customers to achieve the desired peak reduction. An achievable pathway was defined while acknowledging the challenges of supply chain delays, back-end system changes, customer support training, and deployment timelines that could affect timing and program performance. This effort progressed as the PUD piloted several rate offerings with customers and learned more about customer preferences, program performance, and internal PUD program management needed to support a high-quality customer experience. The 2023 Update incorporates the defined pathway established through that effort as a change in the load profile rather than a specific resource option.

The expected results of the defined pathway for time-of-day rate offerings, assuming conservative customer participation and in alignment with advanced meter rollout is about 35MW of peak load shifting by 2033, at which point programs will reach maturity and modest growth is expected largely through customer count growth and a proportion of new customers opting for Time-of-Day rates. Figure 5-3 illustrates peak load shifting potential anticipated from Time-of-Day rate program development.

Figure 5-3: Peak MW load shifting potential from Time-of-Day Rate program development



b. Demand Response

Demand response programs are identified in the 2023 Update in two ways: as direct load control through equipment-based measures such as a connected smart thermostat, or as demand curtailment in the form of call events for residential customers or industrial customers to reduce their demand or rely on back-up generation or energy storage at the direction of the PUD. These types of programs have generally higher peak-shifting performance than advanced rate designs but come with higher costs associated with installing 3rd party equipment, back-end dispatch systems, and other transaction costs associated with establishing and maintaining program performance.

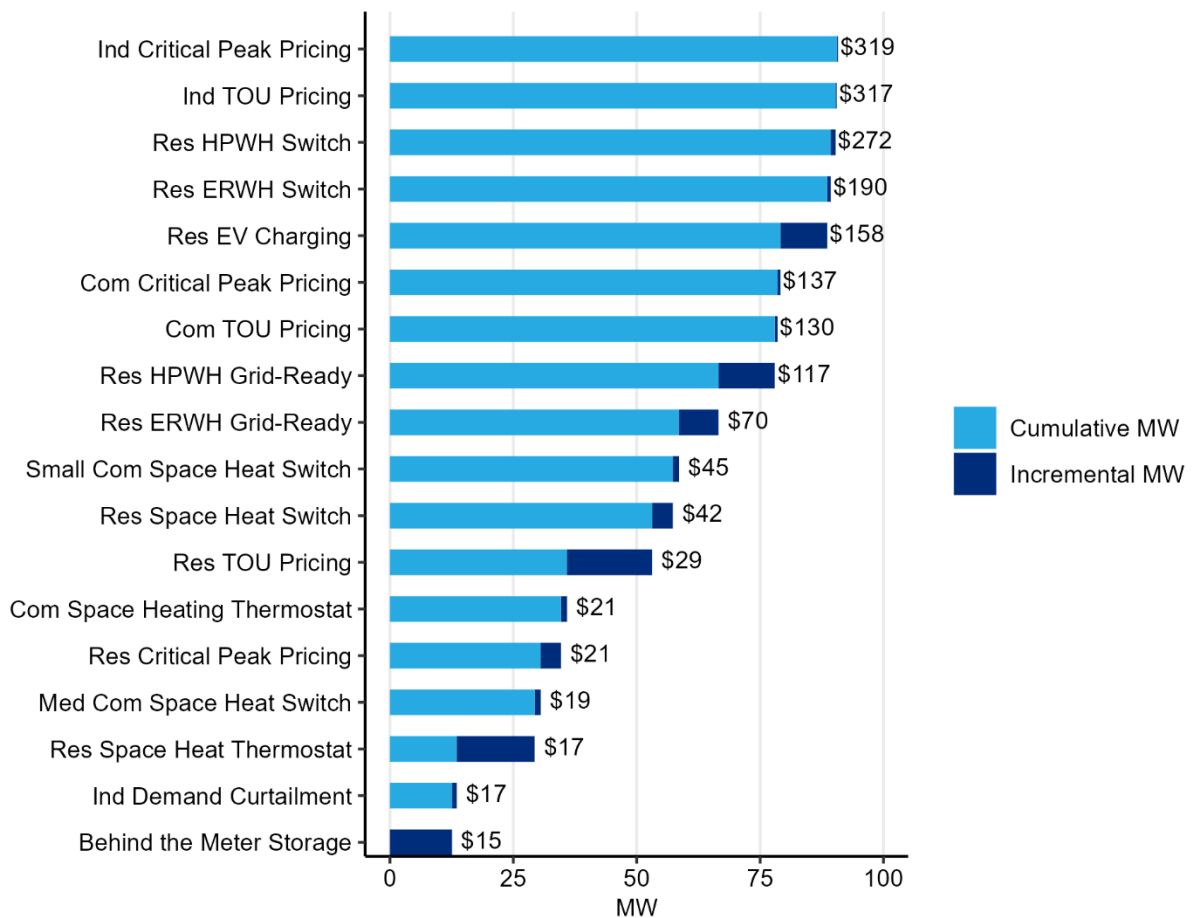
Figure 5-4 displays the types of Demand Management programs considered in the DRPA and 2023 Update. Time-varying rates are described as Time-of-Day Rates in the section above.

Figure 5-4: Demand Management Programs considered in the 2023 DRPA and 2023 Update

	Commercial	Industrial	Residential
Direct Load Control	Space Heating Switch Smart Thermostat		EV Charging Water Heater Controls Space Heating Switch Smart Thermostat
Demand Curtailment		Demand Curtailment	
Time-Varying Prices	Time of Use Rates Critical Peak Pricing	Time of Use Rates Critical Peak Pricing	Time of Use Rates Critical Peak Pricing

Figure 5-5 shows the incremental winter supply, cumulative winter supply, and costs of winter demand peak management of all demand-management programs. The maximum achievable demand reduction is 98MW at the end of the study period. The products are ranked by levelized cost (\$/kW-year), with the lowest cost product at the bottom. Starting from the bottom of the chart and moving upward, the incremental Demand Response potential for each product is shown in dark blue, with the cumulative potential from all previous products shown in lighter blue. Residential Time-of-Use Pricing (a Time-of-Day Rate) has the greatest potential to shift load (largest dark blue bar) and comes at a relatively low cost (\$29/kW-year). The horizontal axis reflects the Demand Response capacity and the value at the end of each bar is the levelized cost of each product. The levelized cost calculations include credits for deferred distribution and transmission system capacity costs. Industrial Critical Peak Pricing comes at the highest cost (\$319/kW-year) and has a very low peak-shifting potential (smallest dark blue bar).

Figure 5-5: Winter DR Supply Curve (MW and \$/kW-year)



B. Supply-Side Resources

The 2023 Update categorizes supply-side resources into three categories: baseload resource, variable energy resources, and capacity resources. Baseload resources have a stable generation profile that is similar through days and across months. An example baseload resource is a biomass generation facility. Variable energy resources have a generating profile that varies throughout the day and year and may have seasonal differences in energy production. Wind and solar generation are examples of variable energy resources. Capacity resources are dispatchable resources that can be controlled to dispatch into specific hours of the day and within certain months of the year in response to load conditions. Utility scale batteries are an example of a capacity resource. Resource options considered in the 2023 Update that were not considered in the 2021 IRP are noted with an asterisk.

Baseload Resources

The 2023 Update evaluated baseload resources listed in Figure 5-6. Renewable energy with on-site storage acts to smooth the output of the otherwise variable resource, and both Wind+Storage and Solar+Storage were considered. The storage is assumed to be 50% of the renewable energy nameplate with energy storage capacity in MWh at 4 times the nameplate capacity of the storage nameplate. A 50MW Solar plus Storage reference plant includes 25MW of battery storage capacity and 100MWh of energy storage for example. Small modular reactors are modeled as first available in 2032 and the model assumes the PUD could be a contracted energy off-taker for a portion of a project but would not be a project owner. Additionally, the Update has added fusion energy as a resource option for the first time. Snohomish County is home to a growing fusion energy sector with multiple local companies contributing to technological advances. Fusion energy is given a deliberately cautious first year availability date and the prices are assumed to be at market rates. This treatment enables the PUD to consider whether fusion could be a good fit in the distant future and enables the PUD to proactively develop long-term relationships with local partners in the event commercial projects can be developed with layers of community benefits.

Figure 5-6: Baseload Resources Considered

Name	Fuel Source	Nameplate MW	Units Available	First Year Available
Biofuel	Combusted Biomass	50	1	2025
Small Modular Reactor *	Nuclear Fission	50	1	2032
Fusion *	H2 Fusion	50	1	2040
E WA Solar + Storage	Solar	50	4	2025
Gorge Wind + Storage	Wind	50	4	2025
Montana Wind + Storage	Wind	50	4	2026
Firm Annual Energy Contract	Market Contract	25	2	2024

Variable Renewable Resources

The 2023 Update evaluated variable resources listed in Figure 5-7. The 2023 Update considered two run-of-river hydroelectric plant options: one new stream development and one buyout of an existing project. Both options were assumed to be located in Western Washington and modeled on existing PUD owned projects. Local solar is modeled as a 5MW solar plant located in Snohomish County. The rooftop solar incentive examines the costs and benefits of accelerating local customer rooftop solar installations via a one-time solar panel incentive. Solar and wind projects in this section do not have paired storage and are stand-alone energy projects.

Figure 5-7: Variable Renewable Resources Considered

Name	Fuel Source	Nameplate MW	Units Available	First Year Available
New Run of River Hydro	Run of River Hydro	7.5	1	2026
Run of River Hydro Buyout *	Run of River Hydro	7.5	1	2026
Local Solar	Solar Photovoltaic	5	1	2025
Eastern WA Solar	Solar Photovoltaic	50	5	2025
Gorge Wind	Wind	50	5	2025
Montana Wind	Wind	50	5	2026
Rooftop Solar Incentive *	Solar Photovoltaic	N/A	1	N/A

Clean Capacity Resources

The 2023 Update considered the capacity resources in Figure 5-8. Several configurations of local pumped hydro storage were considered with varying durations and output capability. Stand-alone lithium-ion batteries were modeled inside Snohomish County and were not paired with any specific renewable project. Regional pumped hydro storage was modeled as a shared project outside PUD territory with the PUD acquiring a share of the capacity along with other regional partners.

The PUD did not consider natural gas resources in the 2023 Update as a viable long-term capacity resource. This choice is reflective of the Commission’s stated Climate Change policy, increasing regulatory uncertainty around fossil fuel resources, and analysis that concludes that the PUD could procure lower cost supply-side capacity resources through pursuit of storage resources. Natural gas plant pricing is provided as a price reference only for levelized energy and capacity price tables provided later in this section.

Figure 5-8: Clean Capacity Resources Considered

Name	Storage Duration	Nameplate MW	Units Available	First Year Available
Hydro Capacity Upgrade *		5	1	2029
Stand Alone Li-Ion Battery	4 Hr.	25	6	2026
Stand Alone Li-Ion Battery	4 Hr.	100	2	2026
300 MW Pumped Hydro	8 Hr.	300	1	2031
200 MW Pumped Hydro	10 Hr.	200	1	2031
200 MW Pumped Hydro	8 Hr.	200	1	2031
150 MW Pumped Hydro	10.66 Hr.	150	1	2031
Regional Pumped Hydro Share	12 Hr.	150	1	2026
Market Annual Capacity Contract	N/A	25	1	2024
Market Winter Capacity Contract	N/A	25	1	2024
Seasonal Capacity Exchange Contract	N/A	25	1	2024

i. Resource Cost

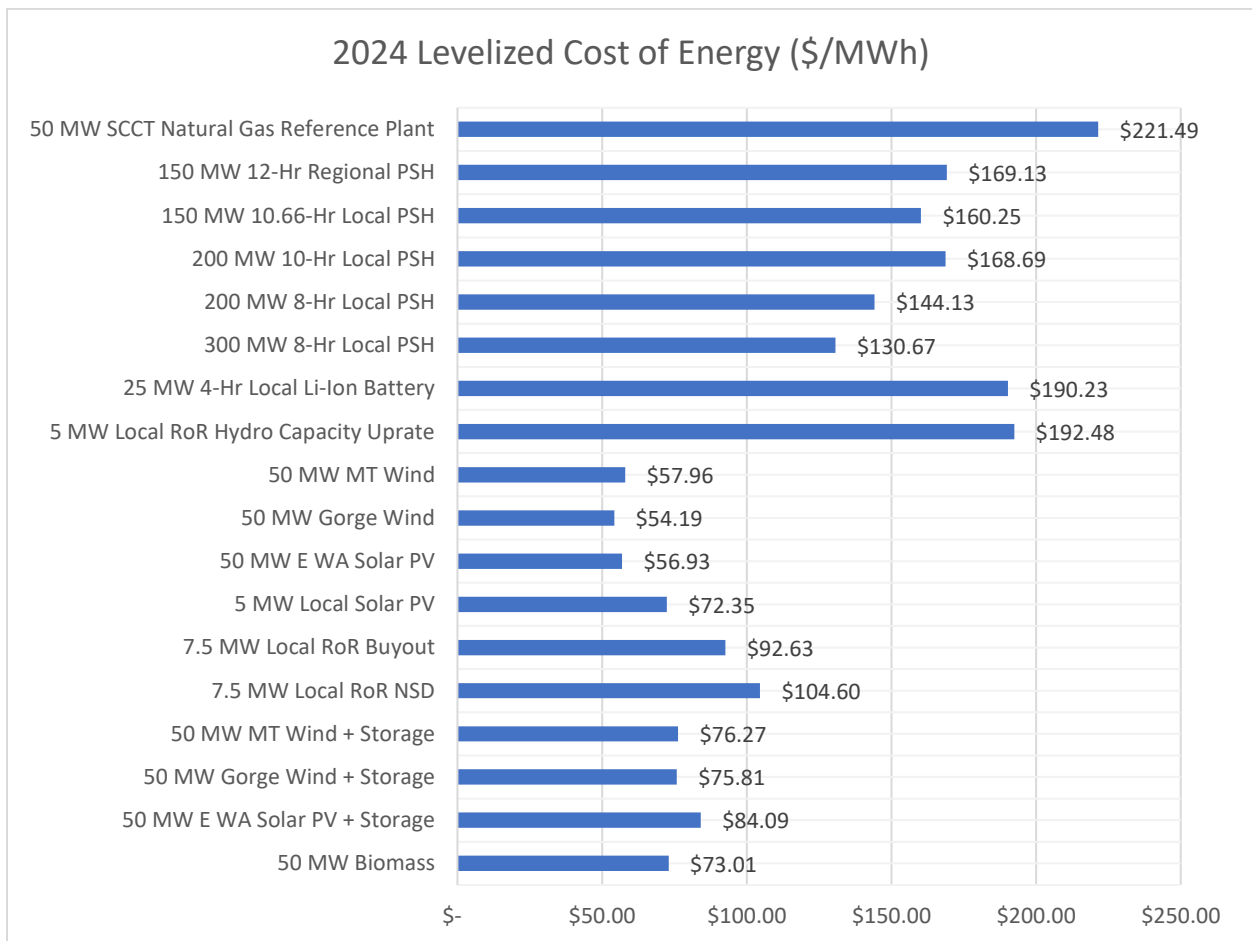
Supply-side resource costs in the 2023 Update represent the assessed total resource cost of developing and operating a resource. Operating costs include the cost of fuel (if applicable), the cost of transmission if the resource is sited outside the PUD’s service territory, and the cost of ancillary services that may be required to support the resource such as Variable Energy Resource Balancing Service through BPA for wind energy. All costs assume a discount rate of 4.5%, are in US Dollars, and are converted to a 2022 dollar-year value. All federal tax credits such as the production tax credit and investment tax credit were included where applicable. Cost estimates were made in each feasible delivery year for each resource type, such that the economic optimization model could draw upon present value cost estimates while considering PUD ownership or offtake relationship of any given resource.

The PUD’s methodology for determining supply-side resource costs is the same methodology used by the 2021 IRP. It is a composite of credible, third-party cost estimates for the Pacific Northwest region, and normalizing this value to the scale, dollar year, and cost methodology. Cost data was derived from other recent regional utility IRPs, the Northwest Renewable Energy Laboratory’s (NREL) All-Technology Bulletins (ATB), and the Northwest Power and Conservation Council’s 2021 Power Plan. For a more detailed description of the cost determination methodology see the 2021 IRP.

a. Levelized Cost of Energy

Levelized cost of energy represents a measure of the net present value of the energy production of a given resource over its lifetime. To fairly compare different types of resources, costs are normalized to 2024 even if the first available date is later in the study period. A comparison of the Levelized Cost of Energy across Supply-Side Resources is provided in Figure 5-9. Variable energy sources have the lowest levelized cost of energy due to low capital and operational costs. Baseload resources have higher levelized cost of energy than variable resources owing to their higher capital costs associated with paired storage or fuel costs in the case of biomass plants. Capacity resources have the highest levelized cost of energy as they are not high-volume energy producers but rather act as dispatchable resources that generate only when needed. Only resources with readily available pricing information are compared in this format.

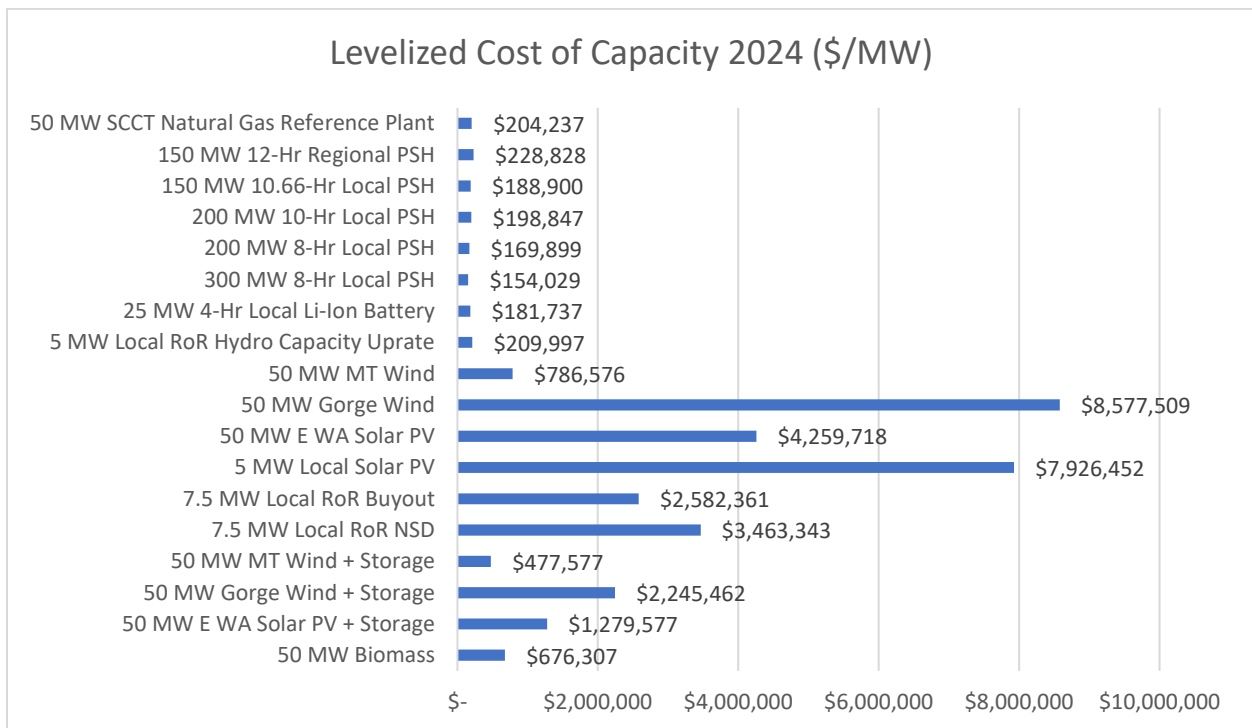
Figure 5-9: Comparison of Levelized Cost of Energy (LCOE) across supply-side resource options



b. Levelized Cost of Capacity

Levelized cost of capacity normalizes the total cost of a resource’s ability to dispatch or provide energy in the winter peak week hours across all seasons in the project lifetime in the study period. This metric provides the cost of a resource to provide energy in the most needed hours across the project lifetime. A comparison of the Levelized Cost of Capacity (LCOC) across supply-side resource options is provided in Figure 5-10. Storage resources offer a very low levelized cost of capacity while having a high levelized cost of energy because they offer dispatchable on-demand energy. Renewable energy projects without storage are the reverse, typically having a high levelized cost of capacity as ensuring dispatch in the P5 critical winter hours requires significant overbuild. Baseload resources offer higher levelized cost of capacity compared to storage options but comparatively less expensive than strictly renewable resources due to higher capital costs.

Figure 5-10: Comparison of the Levelized Cost of Capacity (LCOC) across supply-side resource options



ii. Federal Resource Options through BPA

BPA offers three different power products under the current regional dialogue: Load Following, Block and Block/Slice.

The **Block product** provides a planned amount of firm power to meet planned annual net load. The block product gives a set amount of power in each hour in either a flat annual block shape or a block shaped to the forecast load minus resources. When shaped, the block can vary between heavy and light load hours and by month. The PUD does not have sufficient owned or contracted resources to be a BPA Block customer without a significant cost impact. As a result, Block was not studied in the 2023 Update. There are ongoing discussions about how a redesigned Block product, to include some shapeable capacity could be offered in the Post-2028 BPA contract, but without clear information about what that

product could look like at the time of analysis for the 2023 Update, it was not possible to model it for consideration in this study.

The **Slice/Block product** is a composite of two distinct power products. The block portion is similar to the standalone Block product, with monthly energy volumes determined by load. All hourly deliveries are equal throughout the month, though each month's volume is different. Block amounts are calculated as the difference between the annual net requirements load and the firm slice amount. The slice portion of the power product represents a federal system sale including firm requirements power, hourly scheduling, and environmental attributes but not operational control. This is the BPA product the PUD currently contracts for, and one of the features helpful for the PUD is the Slice portion of the product's ability to be ramped up and down to efficiently integrate renewables such as variable wind.

The **Load Following product** provides firm power service to meet customer load minus dedicated resources, with BPA assuming load service planning responsibility for peak loads. This product is scheduled by BPA to serve load, but requires separate service with additional cost to integrate renewable resources. It is this separate cost, along with the cost of the product that is the reason the PUD has not taken this product in the current contract or switched to this product during the course of the current contract. However, as the Post-2028 contract and products are refined, the PUD will continue to evaluate whether this product could produce the lowest cost of service for PUD customers. This product was evaluated in the 2023 Update but was not found to be more cost-effective than Block/Slice under a range of scenarios. That analysis is provided in Section 6.

iii. Tier 2 Resources

The 2023 Update forecasts that the PUD will have above rate period load in the Post-2028 period and will be able to request BPA Tier 2 service. Tier 2 service comes in two options: "Long-term" Tier 2 backed by physical resources and accompanied by environmental attributes or "Short-Term" Tier 2, backed by market purchases at more volatile market prices. The PUD expects to be eligible for over 350aMW of Tier 2 by 2045, but set a cap in optimization models at 200aMW of "Long-Term" Tier 2. It is expected that the PUD would hit this cap in 2039. At that point, the PUD could choose to access "Short-Term" Tier 2 if market prices were low, or develop additional renewable resources. The 2023 Update assumes the PUD would develop additional renewable resources, but the PUD will retain this optionality and respond to market and policy conditions. The PUD modeled the cost of "Long-Term" Tier 2 as being a 50/50 mix of wind and solar energy developed without tax credits and with a \$15/MWh Resource Support Service cost adder in order to conservatively estimate potential prices. In every scenario run, the maximum amount of "Long-Term" Tier 2 was selected. This is driven by the efficiency of the resource additions. Tier 2 is only accessible once the PUD qualifies for it, as load grows. This means the PUD accesses clean energy in efficient, incremental amounts, which can be more economically efficient than building blocks of wind or solar in 25MW or 50MW increments ahead of load, even if the PUD could develop these resources at a lower cost than BPA. More discussion is provided in Section 6 and Section 7.

6. Portfolio Development and Analysis

After the resource need has been identified and the resource options have been defined, the last process of integrated resource planning is optimizing combinations of existing and future resources to discover the lowest reasonable cost portfolios under different scenarios. Consistent with the requirements in RCW 19.280.030 the goal of the analysis identifying the best mix of supply and demand side resources that, using least cost criterion, meet current and future needs within a long-range assessment.

A. Methodology

An in-house portfolio optimization model was developed to solve for the lowest reasonable cost portfolio that satisfied all planning standards and constraints in the 2021 IRP. The same model methodology was used to construct the portfolios for each scenario in the 2023 IRP Update. Each portfolio was evaluated under both expected conditions and adverse conditions. The scenarios identified impacts and tested the resilience of each portfolio.

The portfolio optimization process creates an incremental portfolio resource buildout for each scenario based on the two most constraining metrics of P5 HLH and P5 PW metrics as described in section 4 of this document. Section 7 of this document goes into greater detail on the specific resources that are in the preferred portfolio, as well as the timing of when those resources are optimally incrementally added.

B. Key Findings

Each portfolio buildout has commonalities upon which a resource strategy should be based regardless of load growth trajectory as defined in the scenarios. Currently, BPA's Block and Slice products are the most cost-effective fit for the PUD's current and future portfolio. However, as BPA negotiates its Post-2028 power contract, the costs and attributes of Block and Slice may change requiring further analysis at that time. This contract uncertainty also means, that the commitment to, and implementation of, a long-term Resource Strategy must be flexible to accommodate potential changes in a Post-2028 BPA contract and product mix.

Key findings in portfolio optimizations across scenarios include:

- 1) **Conservation investment is cost-effective in all scenarios.** In higher load growth scenarios, meeting the relative increase in demand requires more incremental conservation investment.
- 2) **Time-of-Day rates programs are cost-effective in all scenarios.** Certain technology-based demand response programs were also found to be cost-effective in all scenarios.
- 3) **BPA Tier 2 power is cost-effective in all scenarios.**
- 4) **Battery storage is cost-effective in all scenarios.** The total nameplate amount and incremental deployment schedule fluctuate accordingly depending on the load growth scenario.
- 5) **Utility-scale renewables are a cost-effective way to serve load.** The total nameplate amount and incremental deployment schedule fluctuate accordingly depending on the load growth scenario.
- 6) **Small modular reactors (SMRs) and/or Fusion were found to be cost-effective toward the last years of the IRP's study period, starting around 2040.**

- 7) **The PUD must rely on limited, bilateral, short-term structured market options for the first three years of the study period.** This allows time for the PUD to procure or develop its own long-term physical resources and demand-side programs.
- 8) **The PUD will have to procure additional renewable energy credits (RECs) beyond the amount created from the incremental resource buildout in all scenarios through 2030.** These RECs will be used to comply with Washington State’s Energy Independence Act renewable portfolio standard (RPS). Additional REC purchases are not expected to be necessary in 2030 and beyond as the PUD expects to meet RPS compliance through the 100% carbon-free compliance pathway provided by the Clean Energy Transformation Act.
- 9) **For the portfolio buildout that examined BPA’s Load Following product, only conservation and a limited number of smart-rates programs were found to be cost-effective.**

C. Low Case Portfolio

The low load growth scenario requires fewer overall incremental resource additions, due to lower load to serve. Below are figures 6-1 and 6-2, which show the incremental cost-effective resource buildout for the P5 HLH energy metric and P5 PW capacity metrics respectively. In the chart “Inc EE” refers to incremental EE above the baseline of conservation identified in the 2021 IRP. There is a low amount of “Inc EE” in the low case scenario.

Figure 6-1: Low Case HLH Resource Need and Additions

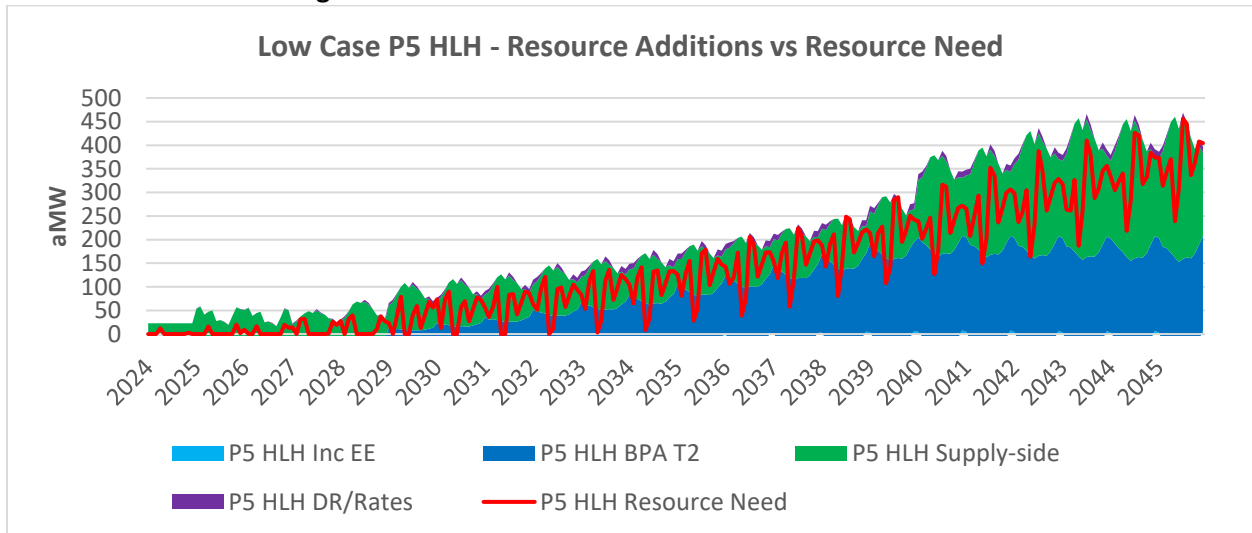
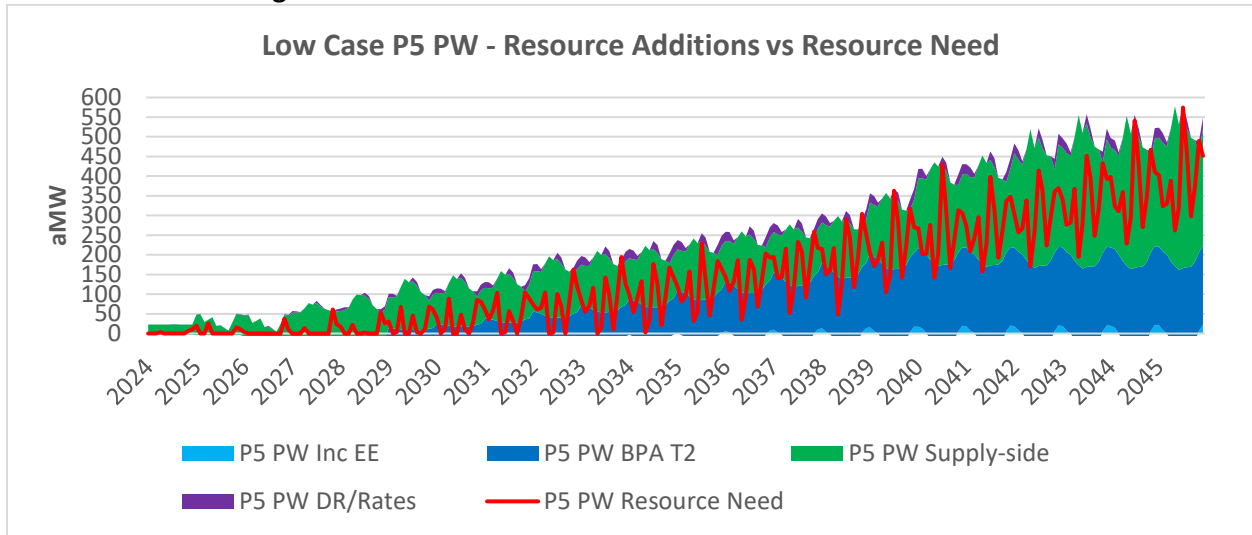


Figure 6-2: Low Case Peak Week Resource Need and Additions



D. Base Case Portfolio

The base case scenario falls between the high and load growth scenarios with respect to new resource need. It also serves as the basis for the Long-Term Resource Strategy, and many more details about its construction are provided in Section 7. The Base Case scenario requires a relatively modest amount of new resource additions to serve increasing incremental load growth. Once the lowest-cost portfolio was identified through optimization, additional sensitivity analysis was performed specifically for this scenario to test market risk against the identified resource portfolio. The Base Case portfolio solution performed better across other market price environments than alternative portfolio constructions optimized from other price threads. This is the basis for the Long-Term Resource Strategy described in Section 7.

Below are figures 6-3 and 6-4, which show the incremental cost-effective resource buildout for the P5 HLH and P5 PW metrics respectively.

Figure 6-3: Base Case HLH Resource Need and Additions

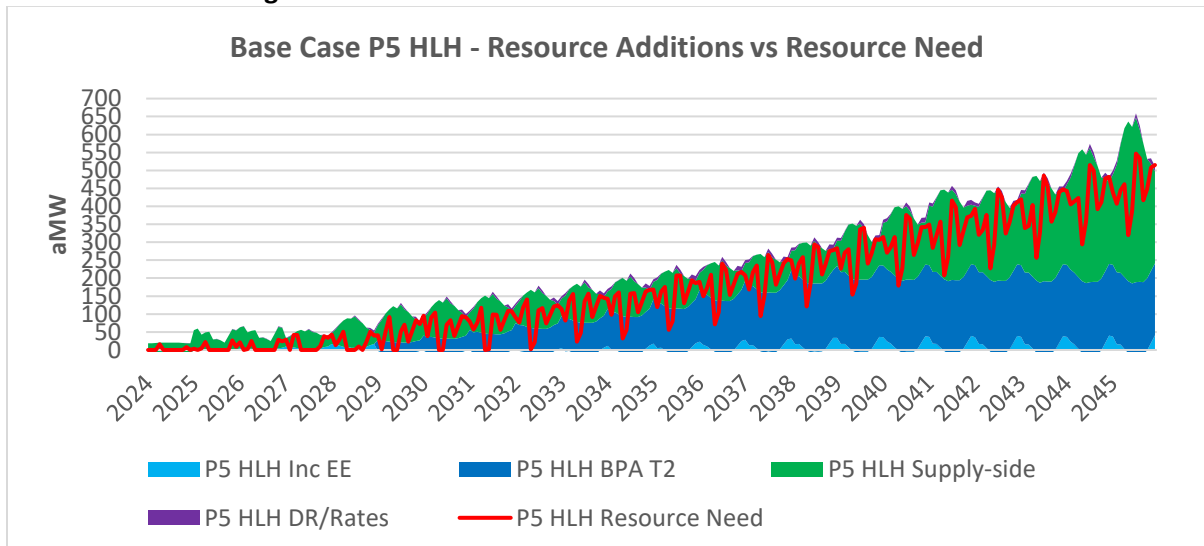
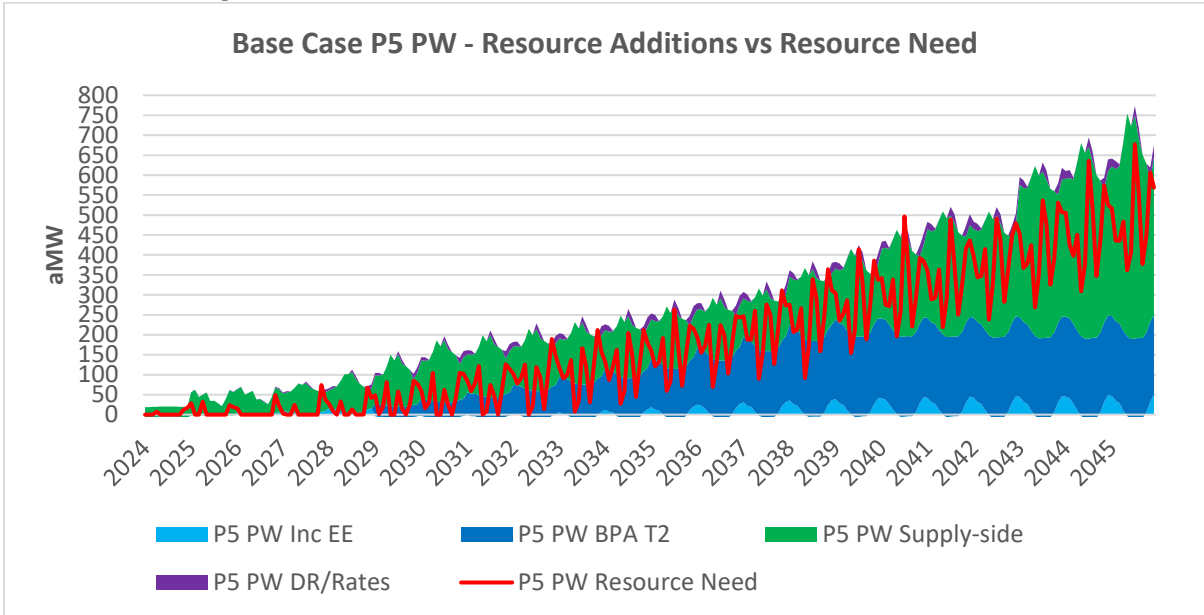


Figure 6-4: Base Case Peak Week Resource Need and Additions



E. High Case Portfolio

The high load growth scenario requires the most overall incremental resource additions to meet the increased net incremental load. New renewable and storage resources are added in significantly higher relative quantity, particularly in the last third of the IRP study period. Below are figures 6-5 and 6-6, which show the incremental cost-effective resource buildout for the P5 HLH and P5 PW metrics respectively.

Figure 6-5: High Case HLH Resource Need and Additions

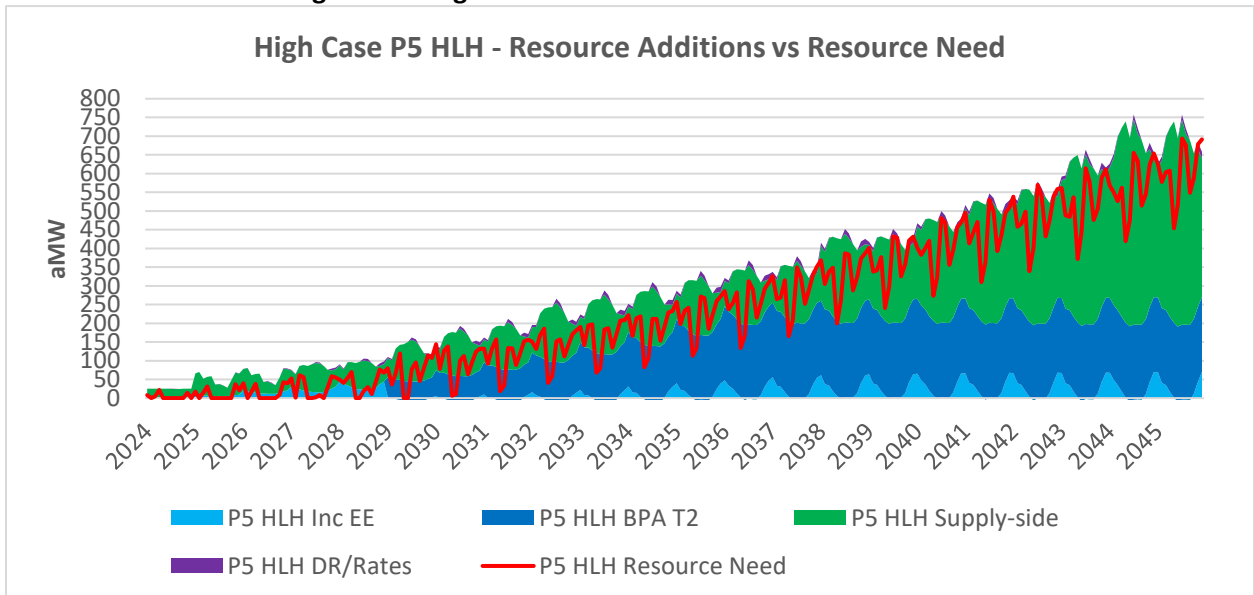
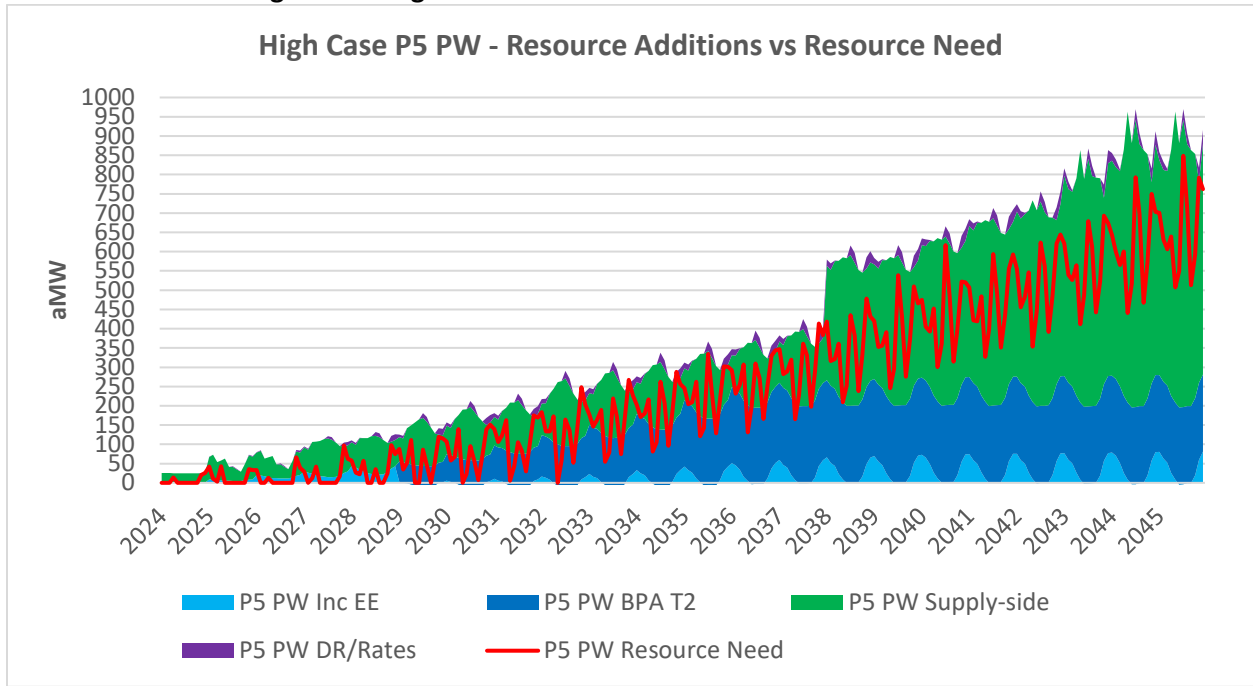


Figure 6-6: High Case Peak Week Resource Need and Additions



F. BPA Load Following Product Analysis

Figure 6-7 below shows the cost differential between the two BPA product portfolios for the PUD. BPA’s load following product was analyzed as a potential way to solve for future resource need in this 2023 Update. In all, the Load Following portfolio costs approximately \$550 million dollars more than the Block and Slice portfolio with current information available. The Load Following product has very similar costs to the PUD but lacks an allocation of wholesale electricity surplus and associated RECs. As such, approximately \$510 million dollars of wholesale electricity revenue is not realized and regulatory compliance costs increase by approximately \$97 million dollars over the study period. Capacity however is built into the product, making PUD WRAP compliance significantly less expensive by approximately \$80 million dollars. This analysis will be revisited when more complete details from the Post-2028 BPA contract negotiation are available.

Figure 6-7: Block and Slice versus Load Following Cost Stack

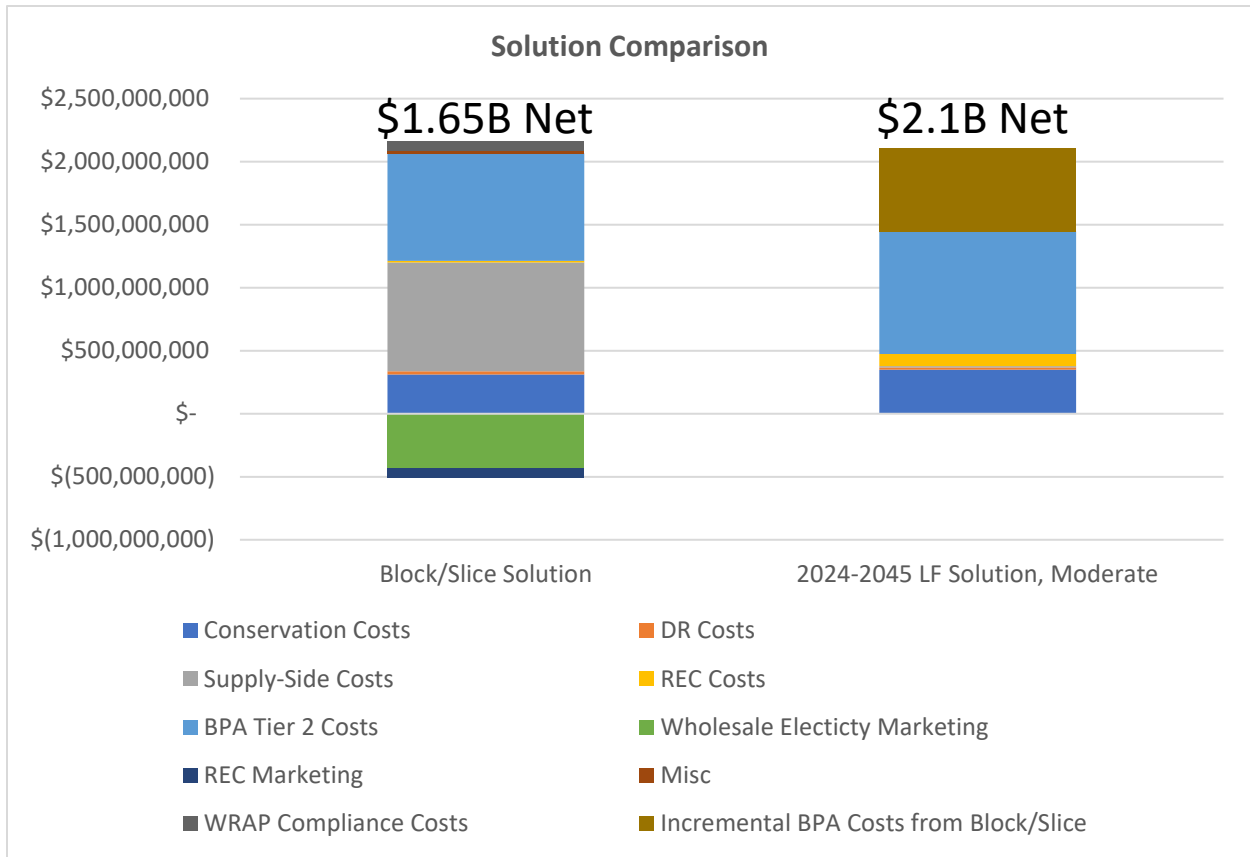
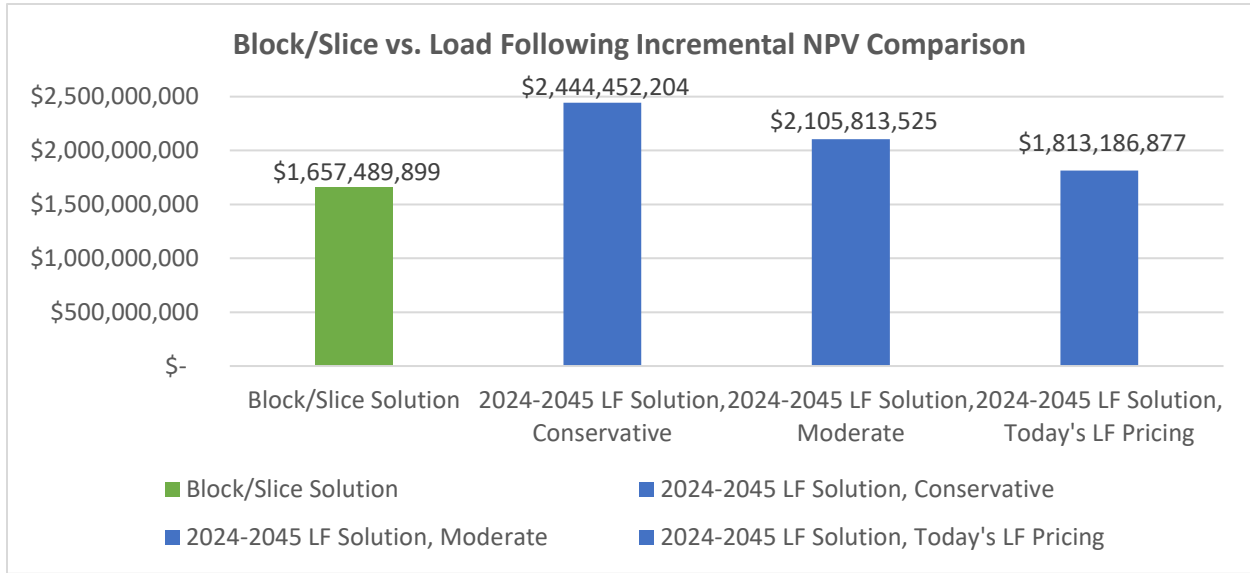


Figure 6-8 below shows the net present value of the preferred portfolio using BPA’s Block and Slice products versus various load following portfolio costs run as scenarios on the possible rate structure of the BPA Load Following product. The results show that Block and Slice meet the PUD’s long-term portfolio needs in a more cost-effective manner than several possible iterations of the Load Following product. The Long-Term Resource Strategy in Section 7 of this 2023 Update therefore assumes a Block and Slice product. PUD staff will continue to perform analysis on BPA products as information becomes available in the contract negotiation process.

Figure 6-8: Block/Slice Remains Preferred Strategy



7. Long-Term Resource Strategy

A Long-Term Resource Strategy must reflect and balance the potential for risk and uncertainty while identifying the best portfolio using least cost criterion. An effective Long-Term Resource Strategy must also be able to meet expected needs and effectively pivot if future technology, market, or regulatory changes create new challenges or opportunities for the PUD.

A. Key Considerations

While a Long-Term Resource Strategy is identified quantitatively through economic analysis, it can also be evaluated qualitatively in terms of the key risks, opportunities, and organizational goals of the PUD. The following key considerations represent additional lenses for viewing a long-term resource strategy.

1. Post-2028 Contract and Product Uncertainty

The PUD’s long-term power contract with BPA expires in 2028 and the Long-Term Resource Strategy must be flexible enough to meet customer needs in any potential post 2028 product environment. Without prescribing or determining the PUD production decision in the post-2028 contract, the 2023 Update evaluates the Resource Strategy under different product environments. Because the final BPA product details are undetermined at the time of writing, assumptions were required for various product choices and attributes. The 2023 Update used these assumptions to examine all BPA products when evaluating the proposed Resource Strategy. Resource additions beyond the BPA products were also evaluated for feasibility under other BPA product options.

2. Electrification Need

The PUD is forecasting growing loads under all scenarios in the 2023 Update due to electrification of transportation and building heating and cooling. Building electrification encompasses a larger proportion of all electric new construction and conversions from fossil fuel to electric energy sources. A

long-term resource strategy needs to be flexible and capable of serving increased load as customers move to higher electric energy needs.

3. Policy and Market Price Environment Uncertainty

Organized markets are developing in the western United States creating both risks and opportunities. Resources located within Snohomish County provided additional benefit in an organized market framework by mitigating transmission congestion rent risk and reducing the cost of bidding load into the market. How an organized market might function in tandem with a resource adequacy program must also be considered.

The PUD used 3 possible price environments reflecting higher volatility and uncertainty in regional resource buildouts. Resources that perform well in any given market price environment are preferred and the lowest cost portfolio across price environments is ideal. Physical clean resources reduce market exposure by reducing market purchases and any associated potential carbon content. Energy storage is valuable in a high price volatility environment.

4. Technology Innovation

The electric energy sector has seen rapid development and adoption of new technology on both demand and supply sides. The cost of energy storage has dramatically decreased while project longevity has increased. Renewable generation sources are widely deployed, more mature, and produce electricity with greater efficiency. New emerging technologies are under development across the industry. The PUD's Long-Term Resource Strategy must be flexible in order to access price and capability advantages of new and maturing technology. This flexibility would likely include diversification across planned resource investments and multiple time horizons.

5. Transmission Constraints

The Pacific Northwest faces increasing transmission system constraints. The PUD's transmission portfolio, which is held via contract from BPA has defined limits. Any significant resource additions outside of the service territory will come with additional transmission expense. The financial costs of new transmission for resources outside of the service territory is added to the full cost of resource ownership as a consideration in the economic optimization model. Physical transmission risk also considers the availability of the transmission line to bring energy into the PUD's service territory. New resources developed outside PUD service territory also carry a physical delivery risk if transmission pathways are constrained. Furthermore, project development is often dependent on transmission access or buildouts that take significant time to come to fruition.

6. Community Values, Company Values, and Public Feedback

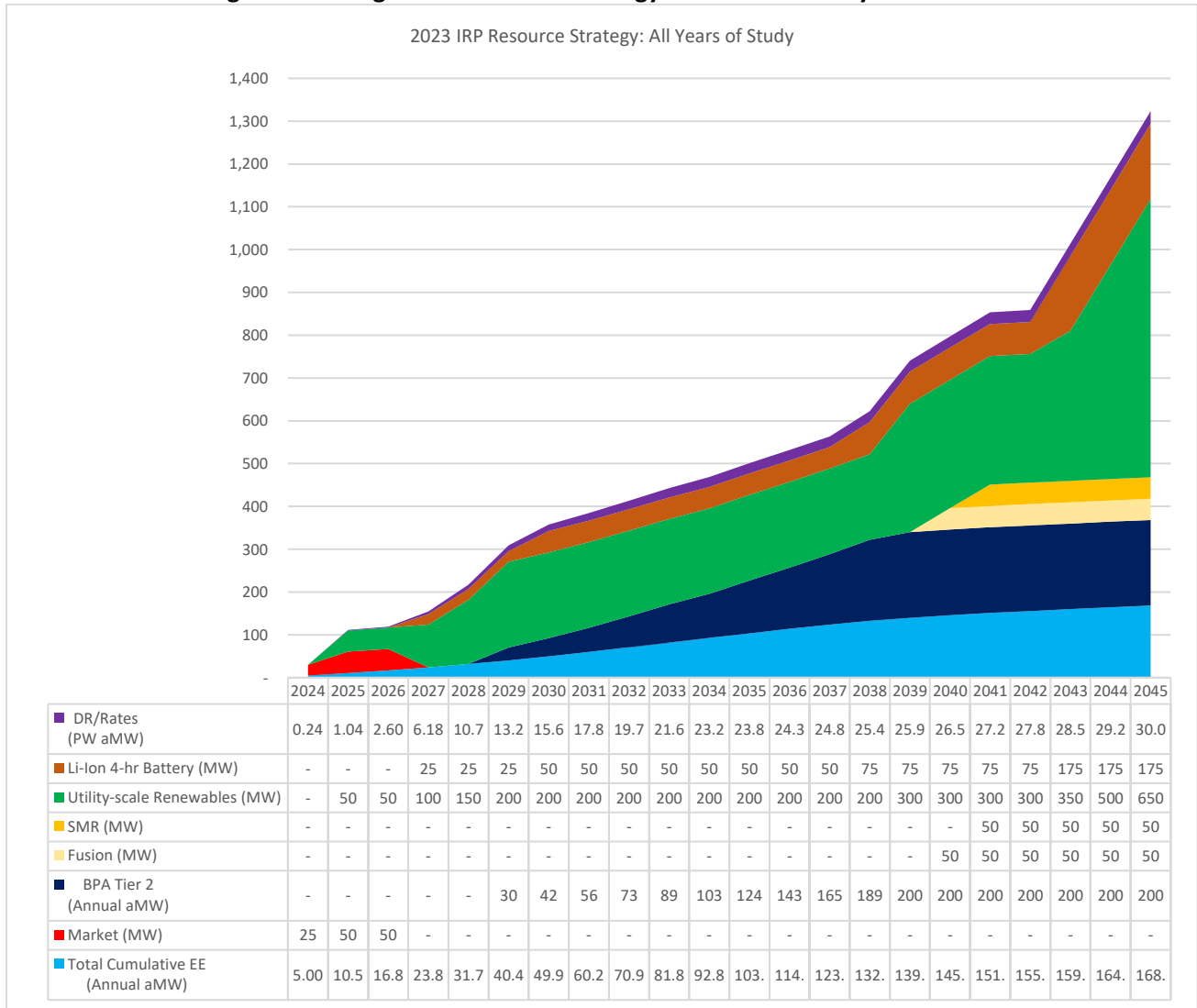
Snohomish PUD has a long-standing commitment to conservation and clean energy sources, and its customers have voiced support for continuing this approach in public venues. A resource strategy that utilizes resource investments within Snohomish County may provide customers and the community more public benefit than a resource strategy where more investments are made outside Snohomish County and Camano Island. Energy efficiency, demand response, and locally sited energy storage resources all represent resource investments in PUD communities. PUD staff engaged with the public frequently during the scoping and development of the 2023 Update, and that feedback was important in shaping this study. The public process for the 2023 Update is summarized in Section 8A.

B. Long-Term Resource Strategy

The proposed Long-Term Resource Strategy for the 2023 Update utilizes the base case scenario and contains the resources identified by economic optimization. These resources represent the most cost-effective portfolio for satisfying all relevant planning standards and regulatory requirements while remaining flexible through the BPA 2028 contract negotiations. The 2023 Long-Term Resource Strategy also sets the biennial conservation targets for 2024 and 2025. This Resource Plan anticipates future resource development recognizing that the PUD will continue to evaluate its needs in future IRPs.

Figure 7-1 displays the entire Long-Term Resource Strategy.

Figure 7-1: Long-Term Resource Strategy -All Years of Study Period



Near-Term Resource Strategy

Near-Term Actions can be considered the actions the PUD expects to take in the next 2-3 years to augment its existing resources and serve load cost-effectively.

Cost-Effective Conservation	Time-of-Day Rate Options	Energy Storage	Short-Term Market Contracts	Post-2028 Contracts
<p>•Cost effective conservation remains a key component of the PUD’s long term resource strategy and provides the PUD with significant value. Conservation has been a consistently sound investment for the PUD for several decades. The analysis from the 2023 Update confirms this value and plans for significant additional investment over the study period. <i>The biennial conservation target for 2024-2025 is 10.54 aMW.</i></p>	<p>•Time-of-Day rate options provide participating customers more control over their bills and allow the PUD to incentivize demand shifts from higher-cost periods to serve to lower-cost periods. The PUD is planning new options for customers in parallel with the roll-out of advanced meters that will make these rate options possible. <i>The 2023 Update targets a modest 1aMW of average peak reduction by 2025, in line with forecasts for advanced meter rollouts and customer engagement processes.</i></p>	<p>•Energy Storage resources position the PUD well under multiple BPA product options: they provide organized market functionality, contribute to resource adequacy needs and reduce transmission risk. <i>The 2023 Update assumes the 25MW battery currently undergoing procurement will be online by October 2025. It also suggests that the PUD should be pursuing additional due diligence on potential sites, procurement strategy and distribution system needs for additional storage investments.</i></p>	<p>•Short-term market contracts serve primarily as a bridge to meet forecast resource-load gaps until long-term demand and supply-side resources come online. Long-term resources and demand-side programs take time to construct, develop, and implement. <i>The 2023 Update targets 50MW of additional short-term market contracts from 2024-2026.</i></p>	<p>•PUD staff must negotiate for cost-effective Post-2028 BPA Power Product options and evaluate the best fit for customer needs. This process began in 2021, and is expected to continue through 2024, with contract execution in 2025. The PUD must remain flexible and open to product alternatives through this process. It is expected that the Block/Slice product works best for the PUD with the information today, but staff will continue evaluating all options.</p>

i. Mid-to-Late-Term Needs and Optionality

Once BPA contract negotiation is complete with fully realized product details and Tier 1 allocations, the PUD can address future needs with less risk given the certainty around BPA product investments. At the time of writing the preferred BPA product is the Block/Slice solution and the Long-Term Resource Strategy is reflective of that product choice. The PUD’s long-term resource needs are as follows:

1. Conservation

Conservation provides the foundation for the PUD’s resource plan, providing multiple value streams for meeting portfolio needs. Conservation provides the PUD value by reducing load that otherwise would have occurred during peak hours, thus reducing capacity needs. Conservation also reduces pressure on the PUD’s current portfolio of generating resources. Further, conservation reduces load associated with regulatory obligations for the EIA and CETA, resulting in decreased regulatory costs. The cumulative conservation targets are given in the table below and are expressed in Annual aMW.

2025 (2-Year)	2028 (5-Year)	2033 (10-Year)	2038 (15 Year)	2043 (20 Year)
10.54	31.73	81.84	132.69	159.98

2. Demand Response

Demand Response and the development and adoption of Time-of-Day rate programs provides the PUD with low-cost resources to meet time-limited capacity needs. The development of these programs is highly contingent upon the timing, rollout, and leveraging of the PUD’s Advanced Metering Infrastructure (AMI) program. That infrastructure will facilitate developing the lowest cost load-shifting programs.

A comprehensive Demand Response Potential Assessment was developed in support of the 2023 Update. While AMI provides the capability and infrastructure to take advantage of many Demand Response programs, the technical potential of these programs is not forecast to meet all of the PUD’s capacity needs, necessitating the acquisition of additional resources. The PUD’s two-year, four-year, and ten-year demand response and smart rates targets (combined as DR targets) are given in the table below and are expressed in Peak Week aMW.

2025 (2-Year)	2028 (5-Year)	2033 (10-Year)	2038 (15 Year)	2043 (20 Year)
1.04	10.75	21.61	25.41	28.55

3. Energy Storage

Battery energy storage has been identified as the utility-scale resource acquisition best able to meet the size, seasonality, and persistence of the PUD’s long-term capacity needs. As Washington utilities act to comply with CETA, the expected market impact of those actions creates significant value for energy storage. Downward pressure on average market prices decreases the cost of charging a storage project. Increased hourly price volatility provides increased opportunity for charging storage at low prices.

Further, as the Pacific Northwest’s regional resource mix becomes incrementally cleaner under regional clean energy policies, the storage inputs would also be expected to have lower carbon content over time. The emerging WRAP metrics provide a high qualifying capacity contribution for all energy storage with 4-hour duration or more, allowing Li-ion battery technology to significantly contribute to WRAP

compliance needs. Cumulative battery nameplate targets are given below and are incremental to the current 25MW project under development.

2025 (2-Year)	2028 (5-Year)	2033 (10-Year)	2038 (15 Year)	2043 (20 Year)
0	25	50	75	175

4. Utility-Scale Renewable Energy

PUD demand is expected to exceed its existing resource portfolio in the mid to late study period and the PUD will need to acquire significant energy resources. These resources are a mixture of utility scale solar, wind, solar plus storage, and wind plus storage. Adding utility scale renewable resources helps meet the PUD’s P5 HLH planning standards, Energy Independence Act and CETA compliance targets. The PUD’s existing wind fleet contracts are retiring in the 2020’s and the mid-term resource strategy acquires replacement renewable resources with the most modern technology. As load growth increases later in the study period, additional resources will be acquired as the PUD outgrows its BPA Tier 2 allocation. Cumulative utility-scale renewable nameplate targets are expressed in MW in the table below.

2025 (2-Year)	2028 (5-Year)	2033 (10-Year)	2038 (15 Year)	2043 (20 Year)
50	150	200	200	350

5. BPA Tier 2

The PUD is expected to be eligible for BPA Above High Water Mark load service, or Tier 2 power in the Post-2028 contract. Long-term Tier 2 service grants the PUD a glidepath to the 2030’s and provides a pivot point in the early 2030’s to new resources or further short-term Tier 2. Furthermore, long-term Tier 2 is backed by physical resources and will provide environmental attributes for clean energy compliance requirements. The PUD will need to make an election on long-term Tier 2 in the Post-2028 contract. Whatever product the PUD selects will require significant Tier 2 elections, though this volume is expected to be lesser under the preferred Block/Slice due to other renewable energy investments the PUD would plan to make. The cumulative BPA Tier 2 targets are expressed below in Annual aMW.

2025 (2-Year)	2028 (5-Year)	2033 (10-Year)	2038 (15 Year)	2043 (20 Year)
0	0	89	189	200

6. Fusion and SMR

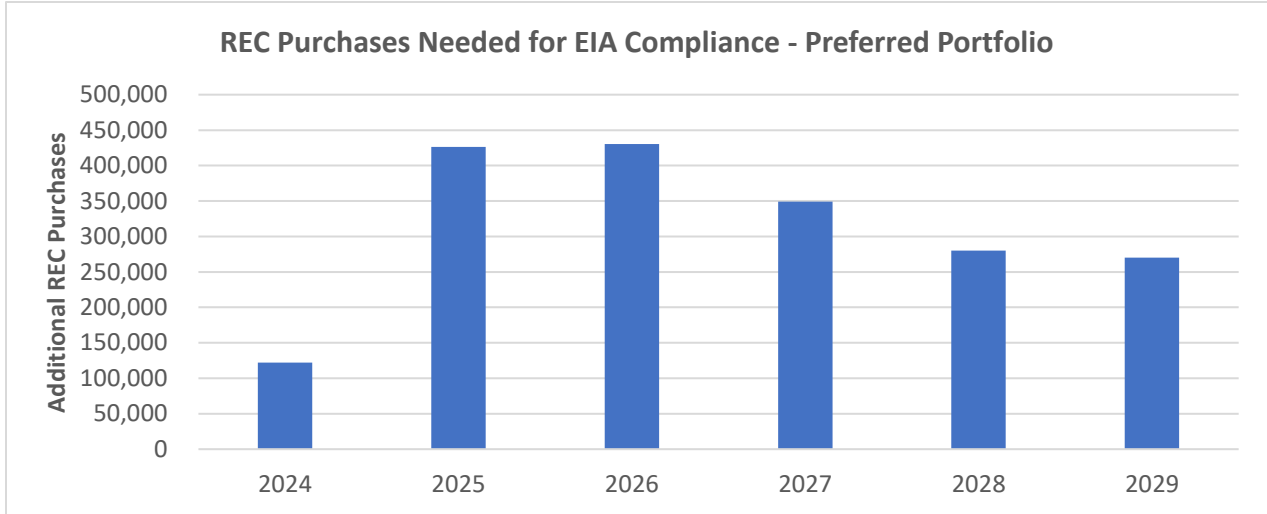
Fusion and Small Modular Reactor resources are not available until later in the study period and their commercial availability is not guaranteed. The PUD will continue to monitor the development of SMR and fusion projects and adjust the long-term resource plan accordingly. The PUD will continue to develop collaborative relationships with local fusion manufacturers and regional SMR partners as the projects are progressing. The nameplate targets are expressed in MW in the table below.

2025 (2-Year)	2028 (5-Year)	2033 (10-Year)	2038 (15 Year)	2043 (20 Year)
0	0	0	0	100

ii. Regulatory Compliance Considerations

The Energy Independence Act (EIA) mandates that the PUD meet certain renewable portfolio standards. In the preferred portfolio, without purchasing additional RECs the PUD would not meet its compliance targets year over year until 2030. Figure 7-2 below shows the REC purchases needed to fully comply with the EIA.

Figure 7-2



8. Technical Appendix

A. Public Process

The PUD utilizes an extensive public process to inform the development of long-term plans and has a customer-centric approach to planning. The public processes are intended to understand the perspectives of customers, incorporate analysis of interest to customers, and provide transparency for customers throughout the planning process.

IRP Open House - 02/23/2022

On February 23, 2023, the PUD hosted an IRP open house with approximately 25 members of the community and staff representing Power Supply, Government Relations, Energy Services, Communications and Marketing, Rates, Economics and Energy Risk Management. The intent of the open house was to provide the public an opportunity to learn the PUD's IRP process and provide input on the proposed scope of IRP analysis. The meeting started with a welcome by PUD Assistant General Manager of Generation, Power Supply, Rates and Transmission Management Jason Zyskowski thanking our customers for joining and introducing the staff. The first portion of the meeting consisted of a presentation by Power Supply Staff introducing the IRP and presenting the proposed scope, while the second half was a Q&A session intended to provide an open forum for comments and questions.

Customer feedback included the following (paraphrasing used here for clarity and brevity):

- a. The PUD should evaluate whether incentivizing rooftop solar could result in cost savings for all customers.
- b. The PUD should continue to engage in state and federal policymaking, to safeguard the interests of its rate payers.
- c. The PUD should seriously and critically evaluate whether it can have the scale of resources needed for electrification with special respect to the potential development timeline of new resources.
- d. The PUD should continue to evaluate the potential impact of changes to federal dams.
- e. The PUD should do more, not less, customer engagement on long-term planning efforts and seek broad participation.
- f. The PUD should seek to continue to secure its critical infrastructure from attacks such as those that were recently experienced add substations in Tacoma and elsewhere.
- g. The PUD should continue to prioritize conservation as a potential resource, including measures like weatherization.
- h. The PUD should evaluate the impacts of carbon emitting resource retirements in the Pacific Northwest and its potential impact on the PUD.

As a result of this feedback, the PUD evaluated whether a one-time upfront payment for rooftop solar could be cost-effective in the 2023 Update. While it was not found cost-effective, an Action Plan item focuses on a commitment to best-practice processes for enabling customer solar to ensure interconnection processes continue to work well for customers. In addition, the PUD conducted extensive analysis on load service needs for electrification in the 2023 Update. The PUD intends to perform sensitivity analysis on changes to federal dam operations in the comprehensive 2025 IRP, as it is expected that analysis will require new computational models not available in time for the 2023 Update.

Power Talks - 03/09/2022

The PUD hosts regular virtual meetings open to customers on specific topics called PowerTalks. These PowerTalks offer an online format to engage with customers that may be harder to reach in person. In March the topic of PowerTalks was “How your PUD is planning for the future”. Garrison Marr, Kris Scudder and Landon Snyder joined to give an overview of the IRP process, the core questions of this IRP and the timeline of the 2023 IRP. PUD customers and staff were attending the webinar and had time at the end of the presentation for questions. Customer questions were on

- a. The availability of demand response and if connect up smart meters were required
- b. The energy profile of the PUD’s power supply during peak events
- c. If the PUD had rooftop solar in its plans
- d. How market purchases factored into the PUD’s plans
- e. Did the PUD plan for hydrogen energy storage
- f. What is the price of BPA Tier 1 energy vs the alternatives

As a result of customer feedback, the 2023 Update includes demand response analysis, peak load profile analysis and charts, incorporation of rooftop solar in load forecasts and analysis of a one-time upfront rooftop solar incentive, market purchase evaluation and economic analysis of BPA Tier 1 power. Hydrogen energy storage was not assessed in the 2023 Update due to a lack of commercial data on available projects but will be re-assessed in the 2025 IRP.

Energy Block Party - 04/22/2022

The PUD hosted an Energy Block Party street fair style event with many booths where PUD staff could interact with customers in a conversation. The IRP team hosted a booth at the Energy Block Party and customers were given an opportunity to ask questions about the future PUD power supply and the planning process. Customers visited the booth to get an abbreviated description of the 2021 IRP document and gave feedback on the issues facing the PUD. Customers indicated support for rooftop solar programs, evaluating new and emerging technologies and the value of carbon free energy.

Commission Briefings – Various

PUD staff provide briefings during the development of the IRP to provide Commissioners an opportunity to provide feedback, and for additional public transparency of the process. PUD staff break the IRP process into 5 phases, and these phases are shared sequentially (sometimes in groups). These Phases are as follows:

- Phase 1: Definition of study scope
- Phase 2: Calculation of resource need given load and resource forecasts
- Phase 3: Evaluation of Resource Options, including cost and capability
- Phase 4: Portfolio Optimization
- Phase 5: Resource Strategy and Action Plan

Briefing 1: January 24, 2023

This briefing kicked off the 2023 IRP Update process, with staff presenting initial ideas on the 2023 Update scope, the overall timeline, and proposed public process.

Briefing 2: July 25, 2023

PUD staff presented the results of phases 1 through 3 to commissioners. The phase 2 results described increased needs due to increasing load while the phase 3 briefing described the supply side resources to be considered and available conservation as given in the 2023 CPA. Commissioners were also briefed about the market price environment and the approach taken in the 2023 Update.

Briefing 3: October 2, 2023

The third briefing discussed the phase 4 results, and the phase 5 resource strategy was described. The commissioners were briefed on the inclusion of BPA Tier 2 in the Long-Term Resource Strategy and the flexibility Tier 2 provides for the PUD. The analysis of the Load Following product and the PUD's preference for Block/Slice was also presented, including the projected costs associated with each product choice.

Briefing 4: November 21, 2023

The fourth briefing presented the proposed final 2023 Update, biennial conservation targets, and action plan.

IRP Open House – November 2, 2023

The Draft 2023 Update was released on October 30, 2023, and an Open House was held November 2, 2023. The purpose of the Open House was to provide an overview of the Draft 2023 Update, to communicate how earlier public feedback was incorporated, and to solicit questions and feedback from customers to help inform the final version of the 2023 Update.

B. Regulatory Compliance

The purpose of this section of the Technical Appendix is to provide a concise crosswalk across regulatory requirements found in Washington State statutes and Administrative Code, and how those requirements are satisfied by the 2023 Update.

i. Energy Independence Act (Conservation)

Conservation acquisition is addressed in both the Conservation Potential Assessment and the IRP. The CPA highlights areas that are accomplished through the CPA modeling process, and this appendix provides more detail on how remaining conservation planning elements are included in the IRP.

WAC 194-37-080 Section	Requirement	Implementation
(5)(c)	Economic achievable potential. Establish the economic achievable potential, which is the conservation potential that is cost-effective, reliable, and feasible, by comparing the total resource cost of conservation measures to the cost of other resources available to meet expected demand for electricity and capacity.	The PUD uses its IRP optimization model to determine what measures are cost effective by comparing the costs and benefits of conservation measures against other resources. See Section 6: Portfolio Development for more details.
(5)(d)(i)	Conduct a total resource cost analysis that assesses all costs and all benefits of conservation measures regardless of who pays the costs or receives the benefits;	The costs considered in the levelized cost include measure capital costs, O&M costs, periodic replacement costs, and any non-energy costs. Benefits included avoided T&D capacity costs, non-energy benefits, O&M savings, periodic replacement costs. Avoided energy costs, generation capacity value, and any risk premium are factored into the PUD’s IRP modelling through the Portfolio Optimization process described in Section 6: Portfolio Development. Measure costs and benefits can also be found in the individual measure files as well as the “ProCost Measure Results” file in the CPA.
(5)(d)(v)	Include avoided energy costs equal to a forecast of regional market prices, which represents the cost of the next increment of available and reliable power supply available to the utility for the life of the energy efficiency measures to which it is compared	The PUD incorporates regional market price forecasts as part of its IRP modelling. See Section 3: Market Price Forecast for further details.
(5)(d)(vii)	Include deferred generation benefits consistent with the contribution to system peak capacity of the conservation measure	Deferred generation capacity expansion deferral benefits are modelled through the District’s IRP analysis. Hourly savings data developed as a part of this CPA enabled the PUD’s IRP to evaluate

		<p>the capacity contribution of each measure bundle with respect to the PUD’s peak demands.</p> <p>See Section 6: Portfolio Development for further details.</p>
(5)(d)(viii)	<p>Include the social cost of carbon emissions from avoided non-conservation resources</p>	<p>The PUD’s IRP modelling factors in carbon costs per the requirements of Washington’s EIA and CETA.</p> <p>See the Section 3: Market Price Forecast for further details.</p>
(5)(d)(ix)	<p>Include a risk mitigation credit to reflect the additional value of conservation, not otherwise accounted for in other inputs, in reducing risk associated with costs of avoided non-conservation resources</p>	<p>The PUD’s IRP addresses risk through probabilistic modelling.</p> <p>See the Section 6: Portfolio Development for further details.</p>

ii. Energy Independence Act (Renewable Energy)

The Energy Independence Act also established a renewable portfolio standard (RPS) with renewable energy targets for utilities, in addition to other compliance mechanisms, which the Department of Commerce is tasked with overseeing on an operational basis. In order to determine the most cost-effective route to RPS compliance, the 2023 Update considers the target methodology for compliance, the No-Load-Growth compliance mechanism, and the effects on EIA requirements of CETA legislation toward 100% clean utilities. The Long-Term Resource Strategy finds a mix of these compliance methodologies across the study period to be the most cost-effective way to meet regulatory obligations and customer needs, but this is expected to be revisited in future IRP updates.

Figure 8-1 shows the volume of REC purchases forecast to be needed to complement RECs from owned and contracted renewable energy sources. Beyond 2030, the PUD anticipates being able to demonstrate the utility is served by 100% clean energy and exempt from EIA RPS requirements per RCW.

Figure 8-1: Forecast REC Purchase Needs for EIA RPS Compliance



iii. Clean Energy Transformation Act

The table below provides a summary of highlighted portions of the Clean Energy Transformation Act, how they were interpreted, how they relate to the PUD and the 2023 Update, and where in the 2021 Update more discussion can be found.

Citation	Statutory Requirement	2023 Update Treatment and References
Sec. 3 (1)(a)	Utilities must eliminate coal-fired resources from electric rates by 2026	The PUD has no coal-fired resources, is not considering contracting for coal-fired generation, and is not considering building a coal plant. This can be observed in Section 5’s discussion of Resource Options.
Sec 4 (1-5)	Utilities should be carbon neutral by 2030 and can use up to 20% alternative compliance mechanisms (including unbundled RECs) in order to achieve this goal.	The PUD’s Portfolio Optimization tool required eligible resource generation of no less than 80% of retail load in 2030, linearly increasing to 100% by 2045. The PUD’s existing portfolio contains eligible resources forecast to significantly exceed current retail load, and the PUD does not intend to add fossil fueled resources. Therefore, the PUD expects to significantly exceed the statutory threshold in all years of the 2030-2045 compliance period. The comprehensive 2021 IRP

		includes a full discussion of existing clean resources, but all incremental clean resource additions are discussed in Section 7
Sec 4 (6)	Utilities must pursue all cost-effective, feasible, and reliable conservation and demand response	The 2021 IRP uses the integrated portfolio approach and the portfolio development and optimization approach described in Section 6 to arrive at the combination of available resources that results in the lowest net costs to customers while meeting reliability and regulatory standards. Feasibility is addressed in Technical Potential analysis in the Conservation Potential Assessment and Demand Response Potential Assessment that provide the supply-curve inputs into the 2023 Update.
Sec 4 (8)	Utilities must ensure all customers benefit from the transition to clean energy.	The 2023 Update uses a lowest reasonable cost approach to determine the most affordable way to meet customer’s needs and reliability and regulatory standards as discussed in Section 6 . In this way, and through the ratemaking process, the PUD ensures its resource plan provides lowest cost clean energy to customers. In addition, the Clean Energy Implementation Plan process addresses equitable distribution of benefits and provides additional context to the PUD’s plans.
Sec 5	All retail sales of electricity must be from renewable and non-emitting resources by 2045.	The PUD forecasts it is on track to meet this standard by virtue of having eligible resources in existing portfolio in excess of its expected retail load, and by planning to add only eligible supply-side resources in its Long-Term Resource Plan. This is discussed further in Section 7 .
Sec 6 (2)	Consumer-owned utilities must develop a four-year Clean Energy Implementation Plan that is informed by the utility’s IRP and Clean energy Action Plan	The PUD filed a Clean Energy Implementation Plan in conjunction with the 2021 IRP, using the 2021 IRP to inform it. The 2021 IRP also included a Clean Energy Action Plan. The 2023 Update is a

		two-year update filed between regulatory obligations for 4-year CEIP and CEAP filings.
Sec 14 (f)	IRP's must contain a 10-year forecast of regional generation and transmission capacity on which the utility may rely upon to deliver energy to its customers	The PUD conducts a WECC-wide resource simulation to determine a plausible mix of resources in the Western United States and Canada that would meet regional reliability standards, as discussed in Section 3 . In addition, the PUD sets Planning Standards for market reliance at levels expected to be below market depth and within the operating parameters of the PUD's Transmission Portfolio. Planning Standards are also discussed in Section 3 .
Sec 14 (g)	Utility IRP's must determine resource adequacy metrics for the resource plan consistent with the forecasts	The PUD provides its Resource Adequacy metrics as its Planning Standards as described in Section 3 .
Sec 14 (h)	Utility IRP's must forecast distributed energy resources installed by customers and their impact on load and operations	Section 3 describes load forecasts which are inclusive of rooftop solar, and Section 5 discusses resource options which included conservation and demand response programs.
Sec 14 (i)	Utility IRP's must identify resource adequacy metrics for use in other portions of CETA statute	The PUD provides its Resource Adequacy metrics as its Planning Standards as described in Section 3 . The PUD uses an integrated portfolio approach to integrate all resource planning functions for the PUD, including the CEIP, CEAP, IRP and identification of economic conservation and demand response.
Sec 14 (k)	Utility's must conduct a cumulative impact analysis of energy and nonenergy benefits and reductions of burdens to vulnerable populations and highly impacted communities	This analysis is presented in the 2021 Clean Energy Implementation Plan, which is published every four years.
Sec 14 (1)A	Utility's must develop a 10-year Clean Energy Action Plan	Clean Energy Action Plans are established every four years, and the 2021 IRP contained the last PUD Clean Energy Action Plan. However, the PUD's Long-Term Resource Plan includes a 10-

		year outlook on clean energy acquisitions along with an Action Plan in Section 7 .
Sec 14 (3)	Utility’s must use the Societal Cost of Carbon specified by the statute in the development of Clean Energy Action Plans	Clean Energy Action Plans are established every four years, and the 2021 IRP contained the last PUD Clean Energy Action Plan. However, the PUD’s Long-Term Resource Plan includes a 10-year outlook on clean energy acquisitions along with an Action Plan in Section 7 , and the Societal Cost of Carbon was embedded in the market price forecast of the integrated resource approach used to solve for the Resource Strategy.

iv. Climate Commitment Act

In January 2023, Washington State began implementation of its Climate Commitment Act legislation, enacting a “Cap and Invest” program. This program establishes an economy-wide cap on carbon emissions, with allowances auctioned by the state. The program provides electric utilities with an amount of “No Cost” allowances to offset program costs because clean energy development for electric utilities is primarily regulated by the Clean Energy Transformation Act. As such, the PUD has received an allocation of allowances that is believed to fully cover the costs of the Climate Commitment Act.

In the IRP, the PUD examines resource carbon intensity as part of its economic analysis. This analysis helps the PUD ensure compliance with the various state policies and mandates regarding clean energy and utility portfolios and accounts for any potential future costs related to the Climate Commitment Act. In this Update, no additional costs are forecast as it is expected that No Cost allowances will generate sufficient revenues to offset any program costs.

v. Transmission Analysis

As part of the 2022-2023 legislative session, Washington State enacted new regulations requiring utilities to undertake additional transmission analysis. The purpose of the law is to help ensure that utilities are planning appropriately for the needs of their customers related to making sure that the energy generated by a utility’s portfolio is able to be delivered.

As a local utility, the PUD only operates a distribution system – namely, the poles and wires needed to bring energy across the county and into homes at the individual level. Snohomish does not operate any high voltage transmission infrastructure as defined by the Federal Energy Regulatory Commission, and as such is not considered to be a “Transmission Operator.” Instead, Snohomish fully contracts for its transmission needs with BPA, along with other small purchases as needed from other Transmission Providers.

As the largest regional Transmission Provider, BPA has an extensive transmission planning process to ensure that it is responding to and meeting the needs of its customers. The PUD participates in these

planning processes and plans to make the formal requests required by RCW 19.280.030(1)(f)(ii), however the timelines required for full inclusion in the 2023 IRP Update are not sufficient to ensure BPA’s planning process aligns with the requirements of the regulation. The PUD expects that the 2025 Comprehensive IRP will contain a more thorough crosswalk between BPA planning efforts and regulatory planning requirements. For the 2023 IRP Update, the PUD would submit BPA’s current transmission planning process⁶ for consideration; the PUD closely monitors and participates in these processes to ensure that the PUD’s transmission needs will continue to be met as the PUD moves into the future.

⁶ BPA Attachment K Transmission Planning - [Attachment K Planning - Bonneville Power Administration \(bpa.gov\)](#)
BPA Transmission Business Model; “Evolving Grid” Strategic Planning - [Transmission Business Model - Bonneville Power Administration \(bpa.gov\)](#)
BPA Transmission Study and Expansion Process - [TSR Study & Expansion Process - Bonneville Power Administration \(bpa.gov\)](#)

A public hearing was held at the Commission's November 21, 2021, public meeting, at which staff presented the proposed 2024-2025 two-year conservation targets and ten-year conservation potential estimate, informed by the integrated portfolio approach analysis used in developing the proposed 2023 IRP.

Based on its analysis, staff is recommending adoption of a two-year conservation target for the 2024-2025 biennium of 10.54 average megawatts, and a ten-year conservation potential estimate for the 2024-2033 period of 81.8 average megawatts, calculated at busbar.

List Attachments:
Resolution

RESOLUTION NO. _____

A RESOLUTION Adopting Two-Year Conservation Targets for 2024-2025 and a Ten-Year Conservation Potential Estimate for the District to Comply With Requirements of the Energy Independence Act

WHEREAS, the Energy Independence Act, Chapter 19.285 RCW, requires that Public Utility District No. 1 of Snohomish County (the "District") every two years formally adopt by resolution two-year conservation targets and a ten-year conservation potential estimate, and submit them to the Washington State Department of Commerce on or before January 1; and

WHEREAS, at the Commission's public meeting on November 21, 2023, staff presented the proposed two-year targets and ten-year conservation potential estimate informed by the integrated portfolio approach analysis used in the proposed 2023 Integrated Resource Plan ("IRP") that is consistent with the methodology utilized by the Northwest Power and Conservation Council and Washington Administrative Code Chapter 194-37-070(5)(c)(i); and

WHEREAS, District staff prepared a programmatic environmental checklist for the proposed 2023 IRP under the State Environmental Policy Act ("SEPA"), and the District's SEPA Responsible Official issued a Determination of Non-Significance ("DNS") for the proposal on November 7, 2023, and published the DNS for public comment for the requisite period; and

WHEREAS, staff recommends adoption of a two-year conservation target for the 2024-2025 biennium of 10.54 average megawatts, and a ten-year conservation potential estimate for the 2024-2033 period of 81.8 average megawatts, as calculated at busbar, based on the conservation potential estimate and proposed 2023 Integrated Resource Plan; and

WHEREAS, as required by regulations implementing the Energy Independence Act, public notice has been provided for the Commission meeting at which these targets will be

considered for adoption, indicating that the meeting agenda includes the establishment of the District's ten-year and biennial targets.

NOW, THEREFORE, BE IT RESOLVED by the Commission of Public Utility District No. 1 of Snohomish County, Washington, that a biennial conservation target of 10.54 average megawatts for the 2024-2025 period and a ten-year conservation potential estimate of 81.8 average megawatts for the 2024-2033 period as calculated at busbar are hereby adopted for the District in order to comply with requirements of the Energy Independence Act.

PASSED AND APPROVED this 19th day of December, 2023.

President

Vice-President

Secretary



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 7

TITLE

CEO/General Manager’s Report

SUBMITTED FOR: CEO/General Manager Report

CEO/General Manager _____	John Haarlow _____	8473 _____
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing: _____		
Estimated Expenditure: _____		Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

The CEO/General Manager will report on District related items.

List Attachments:
None



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 8A

TITLE

Commission Reports

SUBMITTED FOR: Commission Business

<u>Commission</u>	<u>Allison Morrison</u>	<u>8037</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing:	_____	
Estimated Expenditure:	_____	Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

The Commissioners regularly attend and participate in meetings, seminars, and workshops and report on their activities.

List Attachments:
None



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2023

Agenda Item: 8B

TITLE

Commissioner Event Calendar

SUBMITTED FOR: Commission Business

<u>Commission</u>	<u>Allison Morrison</u>	<u>8037</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing:	_____	
Estimated Expenditure:	_____	Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

The Commissioner Event Calendar is enclosed for Board review.

List Attachments:

Commissioner Event Calendar

Commissioner Event Calendar – 2024

January 2024

January 5:

PNUCC Meeting

Virtual

January 10 - 11:

Public Power Council Meeting

Virtual

January 2024

Commissioner Event Calendar – 2024

February 2024

February 7 - 9:

Public Power Council/PNUCC Meetings
Portland, OR

February 25 - 27:

American Public Power Association (APPA)
Legislative Rally
Washington, D.C.
(Wolfe)

February 2024

Commissioner Event Calendar – 2024

March 2024

March 6 - 7:
Public Power Council Meeting
Portland, OR

March 8:
PNUCC Meeting
Virtual

March 2024

Commissioner Event Calendar – 2024

April 2024

April 3 - 4:

Public Power Council Meeting

Virtual

April 5:

PNUCC Meeting

Virtual

April 2024

Commissioner Event Calendar – 2024

May 2024

May 1 - 3:
Public Power Council/PNUCC Meetings
Portland, OR

May 2024

Commissioner Event Calendar – 2024

June 2024

June 5 - 7:

Public Power Council/PNUCC Meetings
Portland, OR

June 2024

Commissioner Event Calendar – 2024

July 2024

July 12:
PNUCC Meeting
Virtual

July 2024

Commissioner Event Calendar – 2024

August 2024

August 7 - 9:
Public Power Council/PNUCC Meetings
Portland, OR

August 2024

Commissioner Event Calendar – 2024

September 2024

September 4 - 6:
Public Power Council/PNUCC Meetings
Portland, OR

September 2024

Commissioner Event Calendar – 2024

October 2024
<p><u>October 2 - 3:</u> Public Power Council Meeting Portland, OR</p> <p><u>October 4:</u> PNUCC Meeting Virtual</p>

October 2024

Commissioner Event Calendar – 2024

November 2024

November 6 - 8:

Public Power Council/PNUCC Meetings

Portland, OR

November 2024

Commissioner Event Calendar – 2024

December 2024

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December 2024

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****For Planning Purposes Only and Subject to Change at any Time****

45

Recordable Injuries

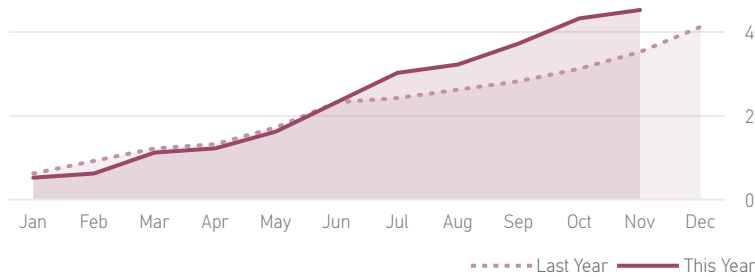
31

Preventable Vehicle Accidents

Safety Incidents (year-to-date)

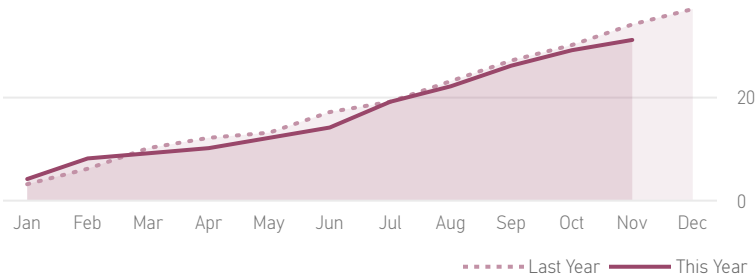
Are we reducing the number of injuries?

The graph below shows the number of **recordable injuries** year-to-date.



Are we reducing the number of vehicle accidents?

The graph below shows the number of **preventable accidents** year-to-date.



89%

Call Center Service Level

71%

% Payments via CSS Tools

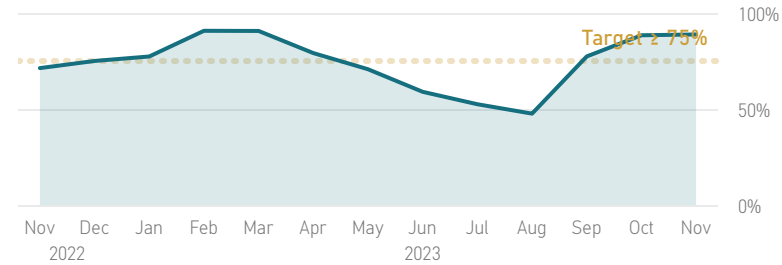
744

JD Power Overall Cust Sat

Customer Experience (most recent month / report)

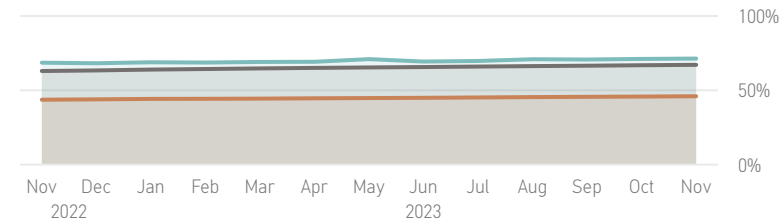
What is our customers' call center experience?

Service Level = % calls answered w/in 30 sec.



Are customers using the self-service tools we offer?

Payments via CSS Tools* Accts w MySnoPUD Profile Accts w Paperless Billing



* Includes payments made via MySnoPUD, One-Time Payment, and IVR

How satisfied are our customers?

District Overall Customer Satisfaction compared to our peer utilities, according to JD Power. Our target is a score ≥ 800 .

	2022: Q3	2023: Q3
District	747	744
West Mid-Size Avg	731	717

99.970 %

Electric System Uptime

1.7 %

Electric Cust w/6+ Outages

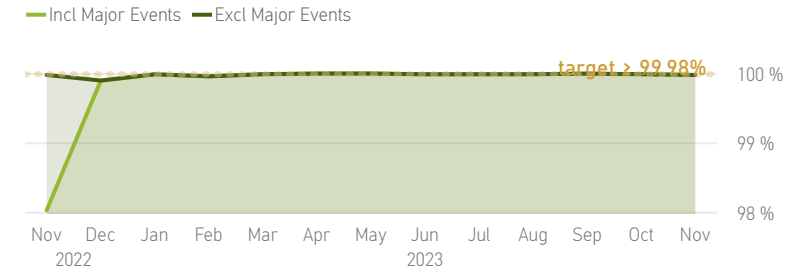
0.67

Water Outages per 1,000 Cust

System Reliability (performance over last 12 months)

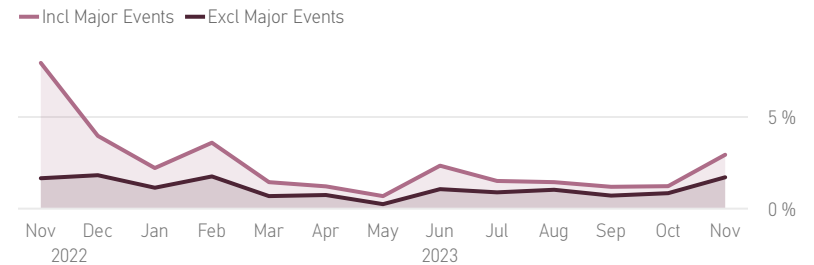
What is our customers' experience of electric system reliability?

The % of time that power was available to customers. Downtime excludes planned outages.



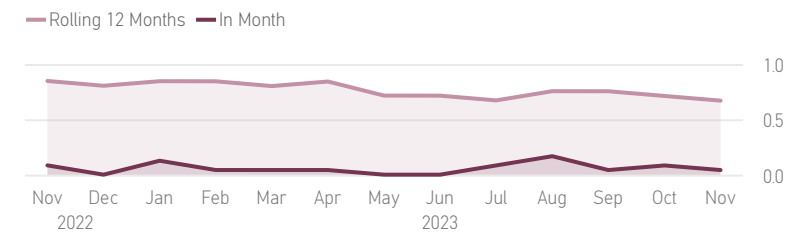
What % of electric customers experienced 6+ outages in the last 12 months?

Includes unplanned outages that lasted one minute or more.



What is our customer's experience of water system reliability?

The number of emergency outages per 1,000 customers.



2023 District Monthly Performance Dashboard

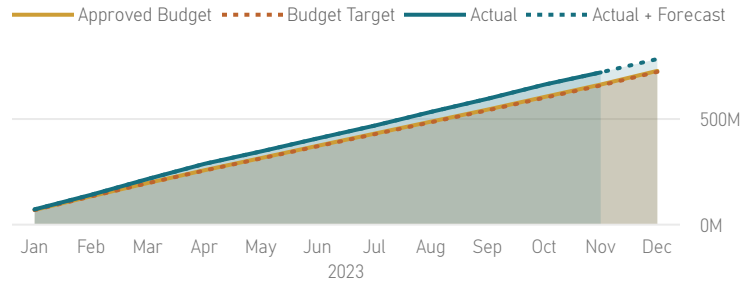
performance through **November 2023** (data as of December 13, 2023)



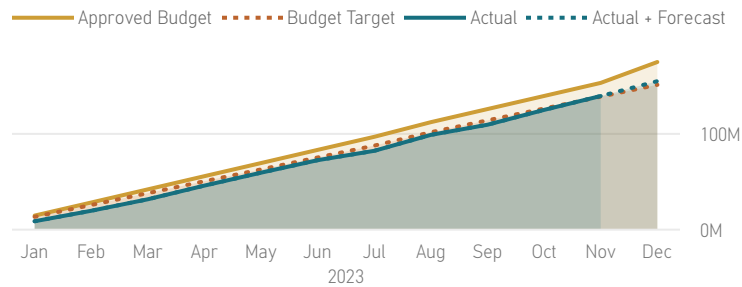
Electric Financial Performance (compared to YTD approved budget)

109 % % Operating Budget Spent
91 % % Capital Budget Spent
104 % % Sales Revenue Budget Met

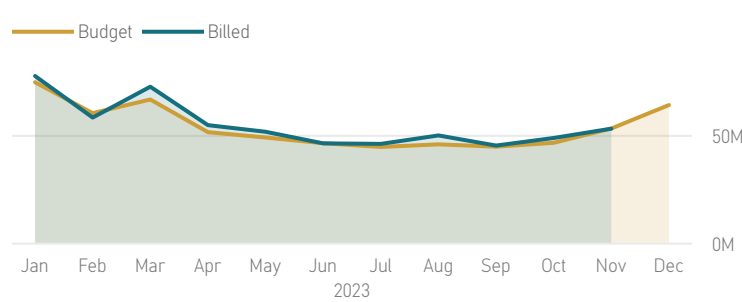
Operating Spending



Capital Spending



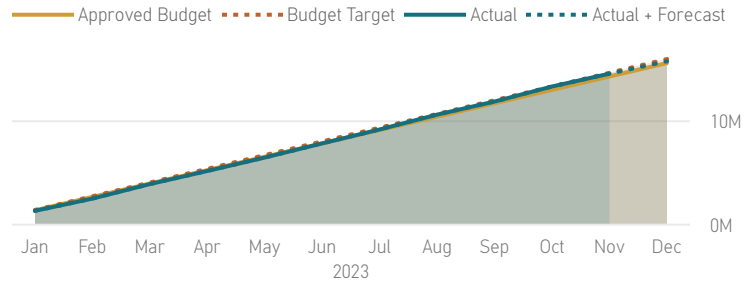
Billed Retail Revenue (excludes Unbilled Revenue Adjustment)



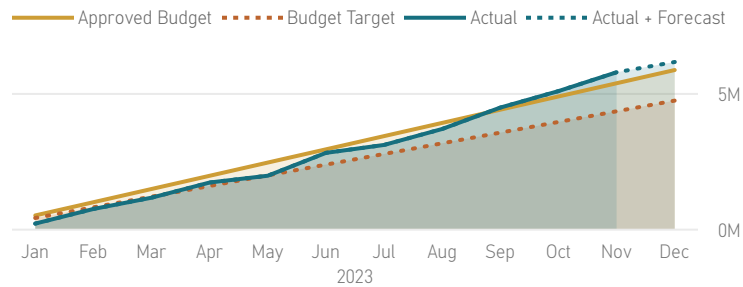
Generation Financial Performance (compared to YTD approved budget)

102 % % Operating Budget Spent
108 % % Capital Budget Spent

Operating Spending



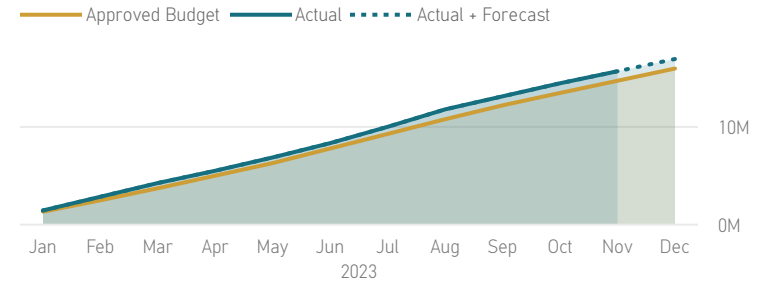
Capital Spending



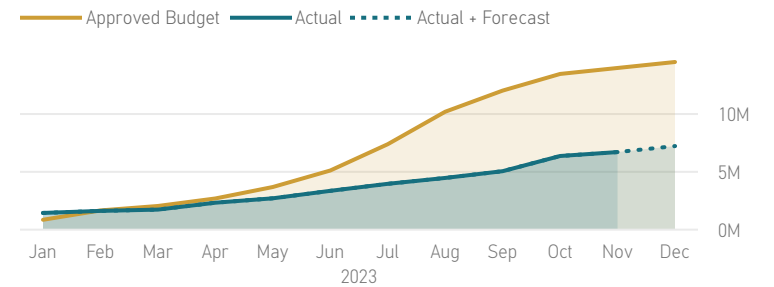
Water Financial Performance (compared to YTD approved budget)

107 % % Operating Budget Spent
48 % % Capital Budget Spent
104 % % Sales Revenue Budget Met

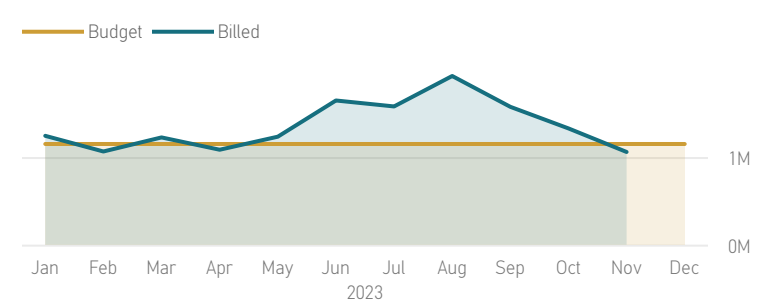
Operating Spending



Capital Spending



Billed Retail and Wholesale Revenue



DASHBOARD OVERVIEW

This dashboard is intended to provide key performance metrics that give insight into overall District Performance in relation to our strategic priorities.

The dashboard is updated to the most recent past month when financial close is complete. This is typically between the 10th and 15th of the month.

If you have questions about the dashboard or the data, please reach out to Laura Lemke.

KPI TEXT COLOR

If a target has been set for a key performance metrics (KPI), the metrics in the top bar will change color depending on how we're performing against the target.

Orange indicates that we are not meeting the target, **green** indicates that we are. The targets are shown in the supporting graphs. For the operating and capital budget metrics, if the % budget is below 85% or above 105% the KPI will be **orange**, otherwise it will be **black**. KPIs without targets will always be **black**.

DEFINITIONS AND ADDITIONAL RESOURCES

Safety Metrics:

Recordable Injuries: Injuries that meet OSHA definitions.

Call Center Metrics:

Service Level - Service level calculates the percent of incoming calls that are answered by a customer service rep within 30 seconds of the customer entering the hold queue.

Customer Self-Service (CSS) Metrics:

Payments via CSS Tools - This metric tracks customer adoption and use of PUD payment channels. It does not include electronic payments that customers make through their own bank portal or PUD payment partner sites.

Accounts with MySnoPUD Profile - This tracks the portion of active PUD accounts in a given month that were associated to one or more MySnoPUD profiles as of the last day of the month.

Accounts with Paperless Billing - This tracks the portion of active PUD accounts in a given month that receive only an electronic bill as of the last day of the month.

JD Power Overall Customer Satisfaction: This metric summarizes the customer satisfaction research conducted by JD Power. The number shown is the YTD number for the study year. The District also conducts its own customer satisfaction research. For more info contact Auya Nyachuba in Business Readiness.

Electric System Reliability Metrics:

System Uptime - This calculation is also known as Average Service Availability Index (ASAI). ASAI measures the average availability of the sub-transmission and distribution systems that serve customers. Essentially, it calculates the % of time that power is on in a given period of time. The target is based on an annual SAIDI target of less than 105. SAIDI measures the average minutes of outage experienced by customers during a one year period.

Customers Experiencing Multiple Outages - This calculation is also known as CEMI-5. It measures how many customers experience more than five (5) power interruptions of one minute or more in the past year.

Water Outages: This calculation multiplies the number of unplanned water outages each month by 1000 and then divides it by the number of active water connections.

Budget and Financial Metrics: These metrics reflect the close of the month.



BUSINESS OF THE COMMISSION

Meeting Date: December 19, 2022

Agenda Item: 9A

TITLE:

Adoption of the 2024 Governance Planning Calendar

SUBMITTED FOR: Governance Planning

Commission _____	<u>Allison Morrison</u>	<u>8037</u>
Department _____	Contact _____	Extension _____
Date of Previous Briefing: _____	<u>N/A</u>	
Estimated Expenditure: _____		Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- Decision Preparation
- Policy Discussion
- Policy Decision
- Statutory
- Incidental (Information)
- Monitoring Report

SUMMARY STATEMENT:

Identify the relevant Board policies and impacts:

Governance Process, Agenda Planning, GP-4: To accomplish its job products with a governance style consistent with Board policies, the Board will follow an annual agenda ...

The Planning Calendar is enclosed for Board review.

List Attachments:
Governance Planning Calendar

Governance Planning Calendar – 2024

To Be Scheduled

- Hat Island Surcharge Update
- Residential Time of Day Rates

To Be Scheduled

- Schedule 83 - PUD Retail Electric Vehicle Charging Update for Level 2 Chargers
- **Executive Limitations**

Governance Planning Calendar – 2024

January 9, 2024

Morning Session:

- Media
- Washington State 2024 Legislative Preview
- **Broadband Update: Third-Party use of District Owned Dark Fiber**
- **2024 General Rate Adjustment**

Afternoon Session:

- Public Hearing:
→2024 Water Utility Rates
- Public Hearing and Action:
→~~Broadband Update: Third-Party Use of District Owned Dark Fiber~~ (moved to January 23)
- Governance Planning Calendar

January 23, 2024

Morning Session:

- Legislative

Afternoon Session:

- **Public Hearing:**
→**2024 General Rate Adjustment**
- Public Hearing and Action:
→2024 Water Utility Rates
→Broadband Update: Third-Party Use of District Owned Dark Fiber
- Governance Planning Calendar

Governance Planning Calendar – 2024

February 6, 2024

Morning Session:

- Media
- Legislative

Afternoon Session:

- Governance Planning Calendar
- Public Hearing and Action:
→2024 General Rate Adjustment

February 20, 2024

Morning Session:

- Legislative
- Strategic Plan – Quarterly Update

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2024

March 5, 2024

Morning Session:

- Media
- Legislative

Afternoon Session:

- Governance Planning Calendar

March 19, 2024

Morning Session:

- Legislative
- Connect Up Quarterly Update

Afternoon Session:

- Public Hearing and Action:
→ Disposal of Surplus Property – 2nd Quarter
- Monitoring Report:
→ 4th Quarter 2023 Financial Conditions and Activities Monitoring Report
- Governance Planning Calendar

Governance Planning Calendar – 2024

April 2, 2024

Morning Session:

- Media

Afternoon Session:

- Governance Planning Calendar

April 16, 2024

Morning Session:

- Community Engagement
- Legislative
- Energy Risk Management Report
- Water Supply Update
- 2023 Audit Results Public Utility District No. 1 of Snohomish County

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2024

May 7, 2024

Morning Session:

- Media

Afternoon Session:

- Monitoring Report:
→ 1st Quarter 2024 Financial Conditions and Activities Monitoring Report
- Governance Planning Calendar

May 21, 2024

Morning Session:

- Legislative
- Strategic Plan – Quarterly Update

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2024

June 4, 2024

Morning Session:

- Media

Afternoon Session:

- Governance Planning Calendar

June 18, 2024

Morning Session:

- Legislative
- Connect Up Quarterly Update

Afternoon Session:

- Public Hearing and Action:
→ Disposal of Surplus Property – 3rd Quarter
- Governance Planning Calendar

Governance Planning Calendar – 2024

July 2, 2024

Morning Session:

- Media

Afternoon Session:

- Governance Planning Calendar

July 16, 2024

Morning Session:

- Legislative
- Water Supply Update
- Energy Risk Management Report

Afternoon Session:

- Monitoring Report:
→Asset Protection Monitoring Report
- Governance Planning Calendar

Governance Planning Calendar – 2024

August 6, 2024

Morning Session:

- Media

Afternoon Session:

- Monitoring Report:
→2nd Quarter Financial Conditions and Activities Monitoring Report
- Governance Planning Calendar

August 20, 2024

Morning Session:

- Legislative
- Strategic Plan – Quarterly Update

Afternoon Session:

- Public Hearing:
→2025 Preliminary Budget – Report of Filing and Notice of Public Hearing
- Governance Planning Calendar

Governance Planning Calendar – 2024

September 3, 2024

Morning Session:

- Media
- Connect Up Quarterly Update

Afternoon Session:

- Governance Planning Calendar

September 17, 2024

Morning Session:

- Legislative

Afternoon Session:

- Public Hearing and Action:
→ Disposal of Surplus Property – 4th Quarter
- Governance Planning Calendar

Governance Planning Calendar – 2024

October 7, 2024

Morning Session:

- Media

Afternoon Session:

- Public Hearing:
→ Open 2025 Proposed Budget Hearing
- Governance Planning Calendar

October 22, 2024

Morning Session:

- Legislative
- Energy Risk Management Report
- Water Supply Update

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2024

November 5, 2024

Morning Session:

- Media

Afternoon Session:

- Public Hearing:
→Continue Public Hearing on the 2025 Proposed Budget
- Monitoring Report:
→3rd Quarter Financial Conditions and Activities Monitoring Report
- Governance Planning Calendar

November 19, 2024

Morning Session:

- Community Engagement
- Legislative
- Strategic Plan – Quarterly Update

Afternoon Session:

- Public Hearing:
→Continue Public Hearing on the 2025 Proposed Budget
- Adopt Regular Commission Meeting Dates for the Year 2025
- Governance Planning Calendar

Governance Planning Calendar – 2024

December 3, 2024

Morning Session:

- Media
- Connect Up Quarterly Update

Afternoon Session:

- Public Hearing and Action:
 - Adopt 2025 Budget
- Monitoring Report:
 - Financial Planning and Budgeting Monitoring Report
- Elect Board Officers for the Year 2025
- Proposed 2025 Governance Planning Calendar

December 17, 2024

Morning Session:

- Legislative

Afternoon Session:

- Public Hearing and Action:
 - Disposal of Surplus Property - 1st Quarter 2025
 - Confirm Final Assessment Roll for LUD No. 67
- Adopt 2025 Governance Planning Calendar

Governance Planning Calendar – 2024

January

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February

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April

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August

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September

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October

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November

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December

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22	23	24	25	26	27	28
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For Planning Purposes Only and Subject to Change at any Time