

**SNOHOMISH COUNTY PUBLIC UTILITY DISTRICT
BOARD OF COMMISSIONERS REGULAR MEETING
Zoom Online Meeting Platform**

January 18, 2022

The Board of Commissioners meeting will be held virtually via Zoom Meeting. Due to the COVID-19 pandemic and Proclamation 20-28.15 issued by Governor Jay Inslee, in-person attendance is not permitted at this time.

CONVENE REGULAR MEETING – 9:00 a.m. – Virtual Meeting Participation Information

Join Zoom Meeting:

- Use link
<https://us06web.zoom.us/j/89537997992?pwd=a2hYMmNZQjBWUklzYjBKTkp5WGJBdz09>
- Dial in: (253) 215-8782
- Meeting ID: 895 3799 7992
- Passcode: 898228

1. CEO/GENERAL MANAGER BRIEFING AND STUDY SESSION

- A. Updates
 - 1. Community Engagement
 - 2. [Legislative](#)
 - 3. Other
- B. [SnoPUD Wildfire Mitigation Plan \(WMP\)](#)
- C. [Energy Risk Management Report – 4th Quarter 2021](#)
- D. [Water Supply Update](#)
- E. [Water Retail Rates Update](#)

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 January 4, 2022](#)
- B. [Bid Awards, Professional Services Contracts and Amendments](#)
- C. [Consideration of Certification/Ratification and Approval of District Checks and Vouchers](#)

Continued →

4. PUBLIC HEARING AND ACTION

- A. [Consideration of a Resolution Amending the District's Retail Electric Rate Schedules to Implement a 2.1 Percent System Average Rate Increase](#)
- B. [Consideration of a Resolution Amending the District's Pilot Rate Schedule "Supplemental Rate for Voluntary Bundled Renewable Energy" to Become Rate Schedule 81 "Supplemental Rates for Voluntary Bundled Renewable or Non-Emitting Energy"](#)

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

6. COMMISSION BUSINESS

- A. [Commission Reports](#)
- B. [Commissioner Event Calendar](#)

7. GOVERNANCE PLANNING

- A. [Governance Planning Calendar](#)

[EXECUTIVE SESSION](#) – Recess into Executive Session to Review the Performance of a Public Employee – Virtual

ADJOURNMENT

The next scheduled regular meeting is February 1, 2022

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: January 18, 2022

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:	<u>N/A</u>	
Estimated Expenditure:	<u></u>	Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- | | | |
|--|-------------------------------------|--|
| <input checked="" type="checkbox"/> Decision Preparation | <input type="checkbox"/> Incidental | <input type="checkbox"/> Monitoring Report |
| <input type="checkbox"/> Policy Discussion | (Information) | |
| <input type="checkbox"/> Policy Decision | | |
| <input type="checkbox"/> Statutory | | |

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

- On Jan. 10, the State Legislature convened for the second half of the 67th Legislative Session. The first week got off to a fast start with the Legislature holding public hearings, executive sessions, and debating and passing bills off chamber floors.
- On Jan. 13, Governor Inslee [announced](#) at a press conference (link below) that the State will deploy 100 members of the Washington State National Guard to assist hospitals and testing sites struggling with spikes in COVID-19 cases. Governor Inslee also [ordered](#) a 4-week pause on nonemergency procedures at hospitals. When asked about the Supreme Court ruling against the OSHA vaccine mandate for employers with 100 or more workers, the Governor noted he does not intend on using his authority to implement the mandate in the state as of now.

KEY HEARINGS/PRESS CONFERENCES/MEETINGS

- Jan. 10 | Senate Transportation Committee – [Work Session: Federal infrastructure act update; Climate Commitment Act/Clean Fuels Program](#)
- Jan. 11 | Joint Legislative Session – [A virtual joint legislative session to hear Governor Jay Inslee's State of the State Address](#)
- Jan. 11 | House Appropriation Committee – [Public Hearing: HB 1732- Delaying the implementation of the long-term services and supports trust program by 18 months](#)
- Jan. 11 | Senate Transportation Committee – [Work Session: State electric vehicle policies/programs](#)
- Jan. 12 | WA Department of Ecology – [Climate Commitment Act \(CCA stakeholder meeting re\): Allowance auctions and price containment](#)
- Jan. 13 | Governor Inslee Press Conference – [Press conference to address the ongoing COVID-19 pandemic](#)

Note: The above events are in addition to those captured in the Key State Legislation Report.

CALENDAR

- The 2022 regular legislative session began Monday January 10, 2022.
- The first legislative cutoff, Policy Committee – House of Origin, is Thursday February 3, 2022.

INTERESTING READS

- The Everett Herald: [Legal fight on redistricting returning to the Supreme Court](#)
- The Columbian: [Washington Senate moves to hybrid floor vote due to COVID-19](#)
- The Everett Herald: [State lawmakers return with money to spend, differing goals](#)
- Crosscut: [7 things WA legislature is expected to address in 2022](#)
- The Columbian: [Washington Gov. Jay Inslee calls on lawmakers for 'bold' action](#)
- The Impact: [Issues to watch in the 2022 Legislative Session with input from legislative leaders and the governor](#)

LETTERS

- Snohomish PUD submitted a letter re: HB 1767, (the authority of publicly owned electric utilities to engage in targeted electrification). See Attachment I.

Federal Government Relations Activity Report

FEDERAL OVERVIEW

- The House and Senate returned for the Second Session of the 117th Congress.
- On Jan. 4, White House Infrastructure Coordinator Mitch Landrieu sent a letter every governor requesting they appoint a state-level infrastructure coordinator to work with agencies that are due to receive an influx of federal dollars through the Infrastructure Investment and Jobs Act (IIJA).
- The Department of Energy [announced](#) the establishment of the Office of Clean Energy Demonstrations. The new Office will “new DOE office that will help deliver on President Biden’s bold climate agenda, create new, good-paying jobs for American families and workers, and reduce pollution while benefitting disadvantaged communities.” The IIJA provides the office with more than \$20 billion to build and demonstrate a host of clean energy technologies.
- On Jan. 13, the United States Supreme Court stayed the Occupational Safety and Health Administration’s (OSHA) Emergency Temporary Standard (ETS) that would have required all employers with 100 or more employees to adopt a mandatory vaccination or weekly testing program to combat the COVID-19 outbreak. The Court found that OSHA exceeded its authority in issuing the regulation and remanded the case to the Sixth Circuit Court of Appeals.
- Top national security agencies issued a public alert on Jan. 11 warning of growing cyber and ransomware threats. The alert strongly urged electric utilities to “adopt a heightened state of awareness” and recommended critical infrastructure operators implement actions to strengthen their cyber posture.

KEY HEARINGS

- Jan. 11 | Senate [Committee on Energy and Natural Resources hearing](#) on “the opportunities and challenges for maintaining existing hydropower capacity, expanding hydropower at non-powered dams, and increasing pumped storage hydropower”. Witnesses included U.S. Department of Energy Acting Director of the Water Power Technologies Office Jennifer Garson, Bureau of Reclamation Commissioner Camille Touton, National Hydropower Association President and CEO Malcolm Woolf, and NWPPA Executive Director Scott Corwin.
- Jan. 11 | Senate [Health, Education, Labor & Pensions Committee hearing](#) on the federal COVID-19 response, specifically regarding new variants.
- Jan. 12 | House [Transportation and Infrastructure Water Resources and Environment Subcommittee hearing](#) on proposals for a 2022 Water Resourced Development Act.
- Jan. 12 | House [Agriculture Committee hearing](#) on electric vehicle investments for agriculture and rural America.

INTERESTING READS

- E&E News: [What’s ahead for ‘Build Back Better’: 4 scenarios](#)
- The Hill: [White House asks governors to name infrastructure coordinators](#)
- AP News: [Inflation at 40-year high pressures consumers, Fed and Biden](#)
- Roll Call: [Hoyer: White House to ask for more pandemic relief funds](#)
- White House: [American Rescue Plan – Washington State LIHEAP Fact Sheet](#)

Local Government Relations Activity Report

LOCAL OVERVIEW

- On Jan 3, the Arlington City Council authorized the mayor to sign a [pole attachment agreement](#) with the PUD. This will allow the City to install fiber on PUD poles in areas where no fiber conduit is available.
- On Jan 7, [Island County](#) announced the appointment of Commissioner Melanie Bacon as a representative of all Washington State's 39 counties on a task force formed to improve the response to, and recovery from, possible future pandemics. Governor Jay Inslee appointed Commissioner Bacon to the state Pandemic After-Action Review Task Force following a nomination by the Washington Association of Counties.
- On Jan 11, [Snohomish County](#) announced the site selection at Paine Field for ZeroAvia, a hydrogen-electric powertrain propulsion technology for aviation including the flight of the world's largest commercial-scale hydrogen-electric aircraft. Partnerships include the WA Department of Commerce, Economic Alliance Snohomish County, and investors such as Alaska Airlines and United Airlines.

INTERESTING READS

- Smart Cities Dive: [Cities are murky on how they define 'green infrastructure'](#)
- Everett Herald: [Hoping for recovery Boeing bosses look to the future](#)
- Everett Herald: [Economic Alliance launches new diversity and equity program](#)
- Everett Herald: [Hydrogen powered aircraft company ZeroAvia coming to Everett](#)
- New York Times: [America's Most Energy Efficient Cities \(including, Seattle\)](#)
- Everett Herald: [Health officials: 50% of county could catch omicron variant](#)

LETTERS

- Coordinated by Key Accounts, Snohomish PUD submitted public comments (attachment II) to the Snohomish County Comprehensive Plan Update: State Environmental Policy Act (SEPA) Scoping process. The SEPA Scoping process is part of the overall 2024 Comprehensive Plan Update Environmental Impact Statement (EIS) process. Amongst a range of topics, the PUD addressed resource planning, energy planning and electrical infrastructure planning considerations to three comprehensive plan growth alternatives.
- Coordinated by Key Accounts, Snohomish PUD submitted public comments (attachment III) for Sound Transit's Everett Link Light Rail Extension Draft Environmental Impact Statement (EIS). A key area of focus for the PUD in the letter is route alternatives, alternative route assessments, and Operations & Maintenance Center North alternatives.

ATTACHMENT I



Energizing Life in Our Communities

January 14, 2022

TO: Chair Joe Fitzgibbon, House Committee on Environment & Energy, &
Representative Alex Ramel, prime sponsor of HB 1767

FROM: Kim Johnston, Director of Government & External Affairs, Snohomish PUD

CC: Members of the House Committee on Environment & Energy
Co-sponsors of HB 1084

Senator Liias, prime sponsor of the Senate companion: SB 5666

Robert Hatfield, Counsel, House Committee on Environment & Energy

Holly Hines, Legislative Assistant to Chair Joe Fitzgibbon

Amanda Hubik, Legislative Assistant to Representative Ramel

Curt Kohlwes, Senior Executive Assistant to Senator Liias

Clark McIsaac, State Government & External Affairs Associate, Snohomish PUD

Via email

RE: Comments from Snohomish Public Utility District regarding HB 1767, Concerning the authority of publicly owned electric utilities to engage in targeted electrification through the adoption of plans that establish a finding that utility outreach and investment in the conversion of its customers' end use equipment from fossil fuels to electricity will provide net benefits to the utility.

Snohomish Public Utility District (Snohomish PUD) appreciates the opportunity to comment on HB 1767. With 2,200 square miles of service area, serving a population of over 811,000 residents and 18,000 businesses, Snohomish PUD is the second largest publicly owned utility in the Pacific Northwest and 13th largest in the nation. Snohomish PUD is a national leader in clean energy, with more than 95% of our energy coming from clean resources over the past five years.

Snohomish PUD also appreciates the opportunities provided by both prime sponsors, Representative Ramel and Senator Liias, to provide input on draft language. Snohomish PUD believes these collaborative efforts helped resolve our prior concerns related to public utility district (PUD) targeted electrification plans. With those language improvements, Snohomish PUD supports the advancement of HB 1767.

Targeted Electrification Plan Preserves Local Control and Focuses on “Utility Purposes”

Prior legislative language regarding targeted electrification plans would have required a PUD to consider and pay for potentially non-utility-related benefits were that PUD to decide to pursue a targeted electrification plan and program. Language in HB 1767 resolved that issue by establishing a nonexclusive list for the PUD governing board's consideration. This improvement allows PUDs to craft their targeted electrification plans and programs so that they may provide utility-related benefits specific to the utility and its customers.

No Resource Adequacy Concerns with Optional Targeted Electrification Proposal

In previous legislative discussions, one issue raised by some stakeholders regarded the potential for targeted electrification to pose resource adequacy challenges for participating utilities. However, Snohomish PUD does not believe HB 1767 poses resource adequacy challenges for participating utilities.

HB 1767 does not establish a requirement for a PUD or municipal utility to adopt a targeted electrification plan or establish a targeted electrification program. Rather, if a municipal utility or PUD decided to offer its customers a targeted electrification program, the utility's governing body must first adopt a targeted electrification plan. In order for the utility's governing body to adopt that plan, Section 2(3) of HB 1767 requires that governing body to "determine that the sum of the benefits of an electrification option equals or exceeds the sum of its costs."

As Washington's economy further electrifies, Snohomish PUD generally anticipates an increase in electricity demand (load). Were a municipal utility or PUD to forecast resource adequacy challenges from increased electric load in its service area, that utility could anticipate significant costs associated with those concerns. Those costs would likely be a component of the utility governing body's targeted electrification considerations.

In that scenario, Snohomish PUD does not believe a municipal utility or PUD's governing body could determine a targeted electrification plan's proposed benefits would equal or exceed the sum of its costs. The utility governing body's determination that the sum of the benefits did not in fact equal or exceed the sum of its costs would prohibit or restrict the utility from implementing a targeted electrification plan as proposed.

We appreciate the opportunity to provide comments on HB 1767. Please feel free to contact us if you have any questions or would like to discuss our comments further.

Sincerely,



Kim Johnston
Director of Government and External Affairs

ATTACHMENT II



Energizing Life in Our Communities

December 2, 2021

Sarah Titcomb
Principal Planner
Snohomish County Planning and Development Services
3000 Rockefeller Ave. M/S 604 2nd Floor
Robert Drewel Building
Everett, WA 98201
sarah.titcomb@snoco.org
2024update@snoco.org

Re: Snohomish County 2024 Comprehensive Plan Update – Scope of Environmental Impact Statement

Dear Ms. Titcomb:

Public Utility District No. 1 of Snohomish County (PUD) is pleased to be given an opportunity to participate in the public process to update the Snohomish County Comprehensive Plan. In conjunction with our comments on the scope of the Comprehensive Plan EIS, we have also included information about the PUD's mission, environmental goals, and planning parameters.

As you know, the PUD provides electrical service to the Snohomish County planning area. The utility, which serves all of Snohomish County plus Camano Island, is the largest public utility district in the state of Washington and is the 12th largest in the nation in terms of customers served. The utility maintains approximately 6,500 miles of power lines to serve over 350,000 customers. The PUD also serves over 21,000 water customers in Lake Stevens, Granite Falls and east Snohomish County areas.

The PUD has reviewed the County's scoping documents and offers the following information and comments for your review and consideration.

Energy Resource Planning

One of the PUD's primary goals is to be sensitive to the natural environment in planning, construction, and operations. In acting on the PUD's mission, the Snohomish County PUD's Board of Commissioners has committed the utility to meeting load growth to the extent possible through cost effective energy efficiency and renewable generation sources. This strategy will affect the electrical system's environmental impacts associated with population growth and economic development.

PUD's Integrated Resource Plan (IRP): The IRP is a long-term strategy for the PUD's power resources to support a changing environment, customer needs, regulatory

compliance and resource availability. It is updated every two years. These updates evaluate a range of possible futures in customer growth and supply needs and outlines a direction for the PUD to cost effectively manage risks, such as short-term market price volatility.

The 2021 IRP addresses a 2022-2045 study period and how the PUD will meet energy and capacity needs under the new Clean Energy Transformation Act policy in Washington state. The PUD has a carbon-free portfolio of power resources and proposes to add to its portfolio with energy efficiency programs, demand response, local solar, and energy storage to meet customer needs at the lowest cost, while maintaining reliability and a commitment to clean energy.

A complete list of sources of power supply, Draft 2021 IRP, and the 2021 Clean Energy Implementation Plan (four-year snapshot of planned actions from 2022-2025) can be found at the following web site:

[Integrated Resource Plan - Snohomish County PUD \(snopud.com\)](https://snopud.com)

Energy Efficiency (EE): EE programs help to ensure that homes and businesses use energy in ways that reduce costs for customers and support community interests including business productivity, sustainability, reduced carbon emissions, and housing affordability, among others. The PUD develops and implements EE programs because energy efficiency is a “least cost resource” (i.e., it costs less to save energy than to produce it) while reducing emissions by avoiding fossil fuel generation. Improving the EE of homes and businesses is consistent with the sustainable development goals of Vision 2050 regarding support for economic growth, the environment, mitigation of climate change and development of healthy, sustainable and affordable housing. Additional information on the PUD’s EE programs can be found at the following website:

[Save Energy & Money - Snohomish County PUD \(snopud.com\)](https://snopud.com)

Recent Legislation Impacting Energy Planning and Usage

The following recent legislation will have an impact on future energy demand and carbon emissions as Snohomish County’s population grows.

Clean Energy Transformation Act (CETA): CETA applies to all electric utilities serving retail customers in Washington and sets specific milestones to reach the required 100% clean electricity supply. The law requires utilities to phase out coal-fired electricity from their state portfolios by 2025. By 2030, their portfolios must be greenhouse gas emissions neutral, which means they may use limited amounts of electricity generated from natural gas if it is offset by other actions. By 2045, utilities must supply Washington customers with electricity that is 100% renewable or non-emitting, with no provision for offsets.

Commercial Clean Buildings Standard (HB 1257): According to the Washington State Department of Commerce, buildings are the most rapidly growing source of greenhouse gas emissions in Washington state. As population continues to grow, so does the number of business spaces being constructed. Each time a building is constructed or remodeled, either inefficient or efficient energy use materials and technologies are locked in for decades to

come. The law required Commerce to develop and implement an energy performance standard for commercial buildings greater than 50,000 square feet and provide incentives to encourage energy efficiency improvements. Industrial and agricultural buildings are exempt from the standard.

County-Level All Hazards Vulnerability Assessment: The EIS should evaluate the potential impacts of the three alternatives to residential housing, commercial/industrial buildings and their operations, and utility and transportation infrastructure due to flood hazard areas, tsunami risk areas, earthquakes, geologic risk areas such as landslides, wildfire risk, and hazardous substance release risks. This includes the increasing risks and degree of impacts due to climate change of flooding, drought, and wildfire, among other hazards, to building stock and infrastructure.

Infrastructure Maintenance: The EIS should discuss how current and future levels of infrastructure would be maintained, funded, and renovated as necessary to address normal wear, weather impacts, and vegetation management, among other upkeep issues, under the three alternatives.

Electrical Infrastructure Planning Considerations: The following should be considered in the analysis of the three alternatives and the electric power system to support growth under the alternatives.

Alternative 1, No Action: Adopted Plans – Lower Growth:

- Even with this lower growth alternative, the impacts to Snohomish PUD's electrical system could be significant.
- There is community/political movement towards building all new buildings with electric heat instead of natural gas to avoid the carbon emissions of fossil fuels.
- The average electrical demand for electric heating versus natural gas heating will have a minimum 3-to-1 or greater impact in the winter months. If 10,000 new housing units are expected that would have been natural gas in the past it would be equivalent to 30,000 new natural gas units if they are served with electricity.
- Many multifamily residential buildings are already being served with electricity so the changes there will be minimal.
- If there are incentives to rapidly convert existing natural gas heated homes and appliances to electric heat, we expect the electrical demands for those existing building loads to triple or more in the winter. This will be the same impact for all three Alternatives 1, 2, and 3.
- Rapid conversion of fossil fuel vehicles to EV's would have a significant impact on future electric supply and capacity needs under all three alternatives. The installation of EV chargers in fossil fuel heated homes, depending on home type and existing electrical usage, could potentially double or triple energy usage (kWh) and triple or quadruple electrical demand (kW). Thus, the addition of a Level 2 charger in an existing fossil fuel home could be the equivalent of adding a new home to the system.

For example, PUD has data where an existing natural gas heated home used 500 kWh during October/November 2020; with a Level 2 (L2) charger installed a year later in October/November 2021 the home consumed 1500 kWh or three times as much. Demand wise, if the home's average peak demand is 4kW, with an L2 charger during evening peak hours (5pm – 9pm) demand could increase from 4kW to 14-16kW for the four hours the EV is charging – a fourfold increase in electrical demand. This potentially can overload existing transformers serving neighborhood loads (see the discussion of the Idaho Power Company study below under *Probable Significant Adverse Impacts*).

The impact of adding an L2 charger is not near as great with an all-electric house. For example, if an all-electric house is using 4,000 kWh during its 2-month billing cycle, the addition of an L2 charger adding 1,000 kWh would only be a 20% increase in energy use. Demand wise, if peak demand was 10kW – 15kW, then EV charging during the four peak hours would double demand to 20kW – 27kW.

Alternative 2, Medium Growth:

- There will be increased impact to the electrical system based on the ratio of new buildings and electrical vehicles added to the system compared to Alternative 1.
- The impact from existing loads converting to electric heat from natural gas, and electric vehicles conversions from gas/diesel will be the same as Alternative 1.

Alternative 3, Higher Growth:

- There will be increased impact to the electrical system based on the ratio of new buildings and electrical vehicles added to the system compared to Alternative 1.
- The impact from existing loads converting to electric heat from natural gas, and electric vehicles conversions from gas/diesel will be the same as Alternative 1.

Probable Significant Adverse Impacts.

- The PUD can build new electrical systems to serve the expected load along with the development for new electric buildings and planned electric vehicles. However, there may be significant additional costs and impacts for infrastructure development outside of established utility service areas.
- The power generation, substations, distribution feeder lines, and transmission lines will have to be upgraded as these new electrical systems are connected to the system.
- Because electric load demands are a 3-to-1 ratio or greater in the winter, all-electric energy growth versus natural gas energy growth may triple the rate of electrical system upgrades needed over the same time frame.
- There may also be electrical capacity issues where buildings are currently being served by natural gas, and vehicles are gasoline/diesel powered and they rapidly convert to electric energy usage.

- Local electrical systems and transformers may need to be upgraded in addition to the backbone system of power generation, substations, distribution feeder lines, and transmission lines. This is especially true of buildings being heated with natural gas, but conversion to electric vehicles will also be an impact.
- A recent study by the Idaho Power Company indicates that if 75% to 100% of vehicles become electric, 40% or more of existing distribution transformers will need replacement. That doesn't include the impacts of converting from natural gas/propane/wood heat to electrical heat. Similar impacts are anticipated for this region if a similar electric vehicle adoption rate occurs in our service area.
- The conversion of existing homes heated by natural gas/propane/wood to electric heat and all new construction being all-electric would have a significant impact on future electric supply and system capacity needs under all three alternatives. For residential and commercial building stock, the EIS should examine the impacts of non-carbon policies requiring (1) new construction to be all-electric (2) existing natural gas/propane/wood heating be converted to electric heating, and (3) both new construction and existing building stock required to be all-electric.

Licenses or Other Approvals That May Be Required.

- The PUD has a method of reviewing and estimating new loads being connected to the system for new residential, commercial, and industrial development so the system can be built of the needed size when utilities are installed. PUD notification early in the building permitting process, especially for large-scale projects, helps ensure that adequate electrical capacity will be available when needed.
- It is possible that approvals may be needed to convert homes from fossil fuel heating to electric heat, or to add Level 2 chargers for EV's. If EV conversion is rapid, incentives may be needed to prevent all connected EV's from charging simultaneously during peak power periods which could cause system overloads. Such incentives, for example, Time-of-Day rates, would encourage EV owners to charge during off-peak system hours.

Thank you again for the opportunity to comment on scoping for the draft EIS. The PUD looks forward to participating with Snohomish County in the Comprehensive Plan 2024 Update process and working together towards mutual objectives in the future.

Sincerely,



Chuck Peterson
Senior Executive Account Manager

cc: Jeanne Harshbarger, Manager, System Planning & Protection
Brenda White, Local Government & External Affairs

ATTACHMENT III



Energizing Life in Our Communities

December 9, 2021

Everett Link Extension Project
c/o Kathy Fendt
East and North Corridor Environmental Manager
Sound Transit
401 S. Jackson St.
Seattle, WA 98104
<https://everettlink.participate.online/everettlinkcomments@soundtransit.org>

Re: Sound Transit Everett Link Extension – Scope of Draft Environmental Impact Statement

Dear Ms. Fendt:

Public Utility District No. 1 of Snohomish County (PUD) is pleased to be given an opportunity to participate in the public process for development of the Sound Transit Everett Link Extension Project (EVLE). In conjunction with our comments on the scope of the EVLE Environmental Impact Statement (EIS), we have also included information about the PUD's mission, environmental goals, and planning parameters.

Service Area: As you know, the PUD provides critical infrastructure to the Snohomish County planning area. The utility, which serves all of Snohomish County plus Camano Island with electric power, is the largest public utility district in the state of Washington and is the 12th largest in the nation in terms of customers served. The utility maintains approximately 6,500 miles of power lines to serve over 350,000 customers. The PUD also serves over 21,000 water customers in Lake Stevens, Granite Falls and east Snohomish County areas.

Strategic Planning: One of the PUD's primary goals is to be sensitive to the natural environment in planning, construction, and operations. In acting on the PUD's mission, the Snohomish County PUD's Board of Commissioners has committed the utility to meeting load growth to the extent possible through cost-effective energy efficiency and renewable generation sources. This strategy will affect the electrical system's environmental impacts associated with population growth and economic development.

The PUD's Integrated Resource Plan (IRP) is a long-term strategy for the utility's power resources to support a changing environment, customer needs, regulatory compliance and resource availability. It is updated every two years. These updates evaluate a range of possible futures in customer growth and supply needs and outlines a direction for the PUD to cost-effectively manage risks, such as short-term market price volatility.

The 2021 IRP addresses a 2022-2045 study period and how the PUD will meet energy and capacity needs under the new *Clean Energy Transformation Act* policy in Washington state. The PUD has a carbon-free portfolio of power resources and proposes to add to its portfolio with energy efficiency programs, demand response, local solar, and energy storage to meet customer needs at the lowest cost, while maintaining reliability and a commitment to clean energy.

A complete list of sources of power supply, Draft 2021 IRP, and the 2021 Clean Energy Implementation Plan (four-year snapshot of planned actions from 2022-2025) can be found at the following web site:

[Integrated Resource Plan - Snohomish County PUD \(snopud.com\)](http://snopud.com)

The PUD has reviewed the Sound Transit's EVLE scoping documents and offers the following information and comments for your review and consideration.

Light Rail Route Alternatives

- Early PUD involvement in development of alternatives is critical due to facility relocation and development of new electrical infrastructure to serve the light rail. Relocation of existing and development of new substations, transmission and distribution infrastructure are costly and long-lead time projects. Existing facilities are located and new facilities will be located within easements and rights-of-way (ROW) which will need to be replaced by Sound Transit.
- As early as possible, it is important to determine the location and estimated electrical loads of Traction Power Substations (TPSS) and the Operations and Maintenance Facility (OMF) North for electrical infrastructure capacity planning. The PUD strongly advises close coordination between Sound Transit and the utility regarding location selection and encourages siting in areas of available existing electrical capacity.
- A key aspect for relocating and developing electrical infrastructure includes analysis of necessary easements, permits and related environmental analysis. This should be included in the EIS.
- The EIS should address and assess a suitable process and/or mechanism for coordinated permitting of all EVLE elements. Route alignments and associated Sound Transit facilities will require utility relocations and new utility installations. Disjunct permitting of project elements including necessary PUD permitting should be assessed as a potential for environmental impact in itself, and the EIS should identify a method of comprehensive coordinated project permitting where the State Environmental Policy Act (SEPA) lead agency for the project (Sound Transit) should coordinate oversight of all required permitting throughout route jurisdictions.
- Development of the light rail extension will have significant impact on PUD facilities, properties, and easements. PUD should be notified and included in the analysis of any potential alternative option impacting PUD facilities, properties, and easements.

- Relocation of PUD facilities may require relocation and/or replacement of secondary electrical services. Many of these services are owned by the customers. While the PUD is willing to work with the customers on relocating and/or replacing their service, PUD employees are not electrically qualified to work beyond the meter and have no jurisdiction to require them to move their service entrances. Because the services are owned by the customers, the PUD will not pay to have these services relocated and/or replaced.
- PUD transmission lines can often be de-energized temporarily to allow for nearby construction projects, but extended outages can impact/compromise system operational flexibility. Generally, perpendicular crossing of the light rail and PUD transmission and distribution lines is preferred because paralleling our lines adds difficulty for construction (due to required electrical clearances) and more frequent outages and safety watches on our system.
- There will be similar issues with PUD substations. We can potentially de-energize them for a short period, but an extended outage to an entire substation (or many short outages) are difficult for our system to handle.
- In locations where the light rail does run parallel to PUD overhead or underground power lines, the utility needs to be sure that it maintains access to its facilities both during construction and after the light rail line is completed. The most likely areas for access problems are in spots where PUD facilities could be squeezed between future light rail and Washington State Department of Transportation (WSDOT) right-of-way (Interurban Trail in Lynnwood; near 164th Street SW; and nearing 128th Street SW) with no easy way to get PUD line trucks in to replace poles when needed.
- The PUD's Pacific Northwest Traction (PNT) Right-of-Way (ROW) is a major north/south transmission corridor of the utility with potential for future transmission expansion. The EIS should examine the alternatives' impact to potential PUD transmission expansion plans in the PNT ROW.
- The PUD also provides local government jurisdictions easements for the Interurban Trail within the utility's PNT ROW. The PUD is in the process of negotiating new easements with some jurisdictions. Should an EVLE alternative that parallels the Interurban Trail be selected, Sound Transit would need to provide appropriate fencing, among other measures, for citizen safety. Some local government jurisdictions have "missing link" trail projects planned for the Interurban Trail. The EIS will need to examine Interurban Trail use safety and potential impacts to missing link trail project development.
- The light rail crossing of the transmission corridor east of Beverly Park Substation will likely have a significant impact to the PUD, Puget Sound Energy (PSE), and the Bonneville Power Administration (BPA) as most of the 115kV and 230kV lines will need some relocation work to accommodate the light rail and outages on all these lines can't occur at the same time. Both the route along Broadway and along I-5 will require some significant coordination between all of these agencies, as Beverly Park Substation is a critical tie point for multiple agencies.

Preliminary Route Alternative Assessment

- West Alderwood – Brown then Pink
 - Brown is farthest from the PUD's PNT ROW and is farthest west from our existing I-5 and I-405 Lattice Tower Crossing for future work and impacts.
 - It is our understanding that the City of Lynnwood also prefers this alternative.
- Ash Way – Pink
 - This alternative has the least impact to the PUD's PNT ROW. This would also exclude Ash Way for the OMF North facility.
 - This west side of I-5 alternative would exclude the need for two additional I-5 crossings.
- Mariner – Green then Pink
 - Green would have the least impact to PUD's PNT ROW.
 - Pink is better than Gold for distribution impacts between Mariner and SR99/Airport Road, although it has a bigger impact along 128th Street SW than Gold.
- SW Everett Industrial – Pink with SWI-C
 - Least PUD impact with the new station nearest to the airport terminal SWI-C.
 - Airport load growth expected to pick-up between 2035 and 2040 per Paine Field plans about the approximate time the light rail is complete to Airport & Casino Roads in 2037.
- SR-526/Evergreen - Pink
 - Least impact to PUD power lines. Casino road alternatives could have a huge impact on the south side of the road.
- Everett – Teal then Pink
 - Preliminary transmission impacts estimate is slightly lower for Pink, but almost the same as for Teal; especially, if the design can stop the light rail a block or two short of Hewitt Avenue and not impact PUD steel poles there.
 - Preliminary distribution system impacts will be less for Teal if the light rail stops a couple of blocks short of Hewitt Avenue.
 - It is our understanding that Teal is preferred by the City of Everett.

Operations and Maintenance Center (OMF) North

- One OMF alternative is adjacent to the PUD's Operations Center (OPS) on the east side toward the south end of the property next to the Boeing Freeway. PUD OPS Center land would not be available for acquisition – this facility is critical for ongoing PUD operations, maintenance, and construction of electrical system facilities.
- A key consideration for OMF siting is available electrical system capacity in the area considered.
- From an electrical capacity perspective, the Ash Way location for the OMF is one of our least desirable locations because the PUD will be serving a light rail TPSS from the same the substation, Martha Lake Substation. This area is already densely commercial and residential—and will become more so when light rail service is running.

- The three potential OMF locations along Airport Road near Paine Field have the most open industrial zoned land should PUD need to develop additional facilities for electrical capacity. The location at 100th Street SW may be preferred; however, PUD does not know of Paine Field's plans for that location.

Thank you again for the opportunity to comment on scoping for the draft EIS. The PUD looks forward to participating with Sound Transit in the EVLE development process and working together towards mutual objectives in the future.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chuck Peterson', with a long horizontal flourish extending to the right.

Chuck Peterson
Senior Executive Account Manager

cc: Lauryn Douglas, Sound Transit, Senior Project Manager
Jeanne Harshbarger, PUD, Manager, System Planning & Protection
Alex Chorey, PUD, Principal Engineer, Transmission & Standards Engineering
Andra Flaherty, PUD, Principal Engineer, Distribution Engineering
Brenda White, PUD, Local Government & External Affairs

KEY STATE LEGISLATION REPORT

HB 1767 | SB 5666: Concerning the authority of publicly owned electric utilities to engage in targeted electrification through the adoption of plans that establish a finding that utility outreach and investment in the conversion of its customers' end use equipment from fossil fuels to electricity will provide net benefits to the utility.

SUMMARY:

- Authorizes the governing body of municipal electric utilities and public utility districts (PUDs) to adopt a targeted electrification plan that establishes a finding that utility outreach and investment in the electrification of customers' end use equipment in residential and commercial buildings will provide net benefits to the utility or PUD.
- Identifies certain benefits that may, and certain costs that must, be addressed in a targeted electrification plan.
- Authorizes municipal electric utilities and PUDs, upon the adoption of a targeted electrification plan, to offer incentives and establish other programs to accelerate the targeted electrification of homes and buildings for their customers.

SPONSOR(S):

Representatives Ramel, Macri, Berry, Dolan, Fitzgibbon, Ryu, Wicks, Wylie, Bateman, Duerr, Shewmake, Chopp, Tharinger, Valdez, Pollet, Stonier, Goodman, Callan, Harris-Talley, Hackney, Kloba and Frame

CONTEXT:

This bill is by request of the Office of the Governor and addresses the Legislature's and Governor's interest in further reducing greenhouse gas emissions attributed to the building sector in Washington.

This bill is one of the climate change priorities in the 2022 legislative session for the Governor and sponsors.

Previously, Government Affairs had identified concerns with targeted electrification bill language specific to the legal viability and potential implications for local control under the utility electrification plan requirements. Snohomish PUD had not taken a formal position. HB 1767 and companion SB 5666 have resolved those language concerns.

STATUS:

In the House Committee on Environment & Energy.

LEGISLATIVE HISTORY/ACTION:

Jan. 14: Received a public hearing in House Committee on Environment & Energy. Watch [here](#).

SNOPUD POSITION:

Support

PRINCIPLES:

- **Reliability of service:** No impact.
- **Affordability of rates:** Potential benefits through increased electric load, use of more efficient equipment, and potential for greater customer engagement with PUD programs.
- **Safety to community:** No impact.
- **Local control:** Expands PUD/Board authority to incentivize targeted electrification.
- **Environmental stewardship:** Intended benefits through decreased consumption of carbon-intense energy resources and increased low-carbon electric consumption.

SNOPUD EFFORTS:

- Snohomish PUD has engaged in conversations with the prime sponsor, various executive and committee staff, and utility and environmental stakeholders.
- Jan. 14: Snohomish PUD submitted a letter on HB 1767. See Appendix I immediately following the Key State Legislation Report for the letter.

KEY STATE LEGISLATION REPORT

SB 5803: Establishing a presumption of liability for wildfires caused by an electric utility's equipment.

SUMMARY:

- Establishes a presumption of liability for damage resulting from a fire caused by an electric utility's equipment. Enables an electric utility to rebut the presumption of liability upon proving by clear and convincing evidence that the fire was ignited despite the electric utility having performed all applicable best management practices.
- Authorizes the Utilities and Transportation Commission to adopt rule guidelines for best management practices by an electric utility to prevent wildfires caused by the electric utility's equipment. These guidelines must include:
 - o Vegetation management along transmission and distribution lines and near associated equipment;
 - o Inspection and maintenance repair activities and schedules;
 - o Modifications or upgrades to facilities and construction of new facilities to incorporate measures to minimize fire risk; and
 - o (d) Preventative programs.

SPONSOR(S):

Senators Rolfes, Dhingra, and Frockt

SNOPUD POSITION:

Other

CONTEXT:

Washington has recently experienced catastrophic wildfires. The State of Washington has invested significant resources to help mitigate wildfire devastation, including passing wildfire funding of \$125 million in 2021.

SB 5803 addresses concerns from impacts of frequent and recent catastrophic wildfires attributable to electric utility equipment or infrastructure across the western United States and including Washington state. For example, the fire that destroyed the town of Malden in 2020 was sparked by a tree branch hitting energized power lines.

STATUS:

In the Senate Committee on Environment, Energy, & Technology.

PRINCIPLES:

- **Reliability of service:** No impact.
- **Affordability of rates:** Potential impacts range from moderate to significant.
- **Safety to community:** Potential for positive and negative impacts. Potential positive impacts include heightened public attention and efforts around wildfire prevention. Potential negative impacts include potential and frequent public safety power shutoffs.
- **Local control:** Negative impacts due to the UTC-led rulemaking process.
- **Environmental stewardship:** Intended benefits.

LEGISLATIVE HISTORY/ACTION:

N/A

SNOPUD EFFORTS:

- Snohomish PUD has engaged with other utility stakeholders.

KEY STATE LEGISLATION REPORT

HB 1623: Addressing the extent to which Washington residents are at risk of rolling blackouts and power supply inadequacy events.

SUMMARY:

- Extends the requirement for the Department of Commerce and the Utilities and Transportation Commission to convene energy resource adequacy meetings through calendar year 2029.
- Requires the 2022 energy resource adequacy stakeholder meeting to address the risk of rolling blackouts and inadequacy events, discuss how proposed electrification laws and regulations may require new state policy for resource adequacy, and identify incentives to enhance and ensure resource adequacy.

SPONSOR(S):

Representatives Mosbrucker, Fitzgibbon, Leavitt, Ryu, Duerr, Graham and Wicks.

SNOPUD POSITION:

Support

CONTEXT:

The Washington Department of Commerce and the Utilities and Transportation Commission are required to jointly convene a stakeholder meeting at least annually through 2024 to discuss the adequacy of the state's energy resources for meeting electric needs and to address steps utilities can take to coordinate planning in light of changes to the northwest power system.

Widespread electrical power outage events recently occurred in California in August 2020, and in Texas in February 2021.

STATUS:

In the House Committee on Environment & Energy.

PRINCIPLES:

- **Reliability of service:** Potential benefits.
- **Affordability of rates:** Potential benefits.
- **Safety to community:** Potential benefits.
- **Local control:** No impact.
- **Environmental stewardship:** No impact.

LEGISLATIVE HISTORY/ACTION:

Jan. 11: Received a public hearing in the House Committee on Environment & Energy. Watch [here](#).

SNOPUD EFFORTS:

- Snohomish has engaged with other utilities.
- Snohomish “signed in support” during the Jan. 11 public hearing.

KEY STATE LEGISLATION REPORT

HB 1770: Strengthening energy codes.

SUMMARY:

- Directs the State Building Code Council to adopt codes that achieve the following:
 - o A reduction of at least 70% in annual net energy consumption under the residential and nonresidential energy codes effective in 2031; and
 - o New buildings must be “net-zero ready” including a reduction of at least 80% in annual net energy consumption. New buildings must also include wiring for photovoltaic panel installation under the codes adopted by 2034. Note: the State Building Code Council will define and include “net-zero ready” measures in the code adoption process.
- Establishes enforcement mechanisms.
- Requires the State Building Code Council to adopt a rule establishing a statewide residential reach code. The code is to go into effect by 2023.

SPONSOR(S):

Representatives: Duerr, Ramel, Berry, Dolan, Fitzgibbon, Ryu, Wylie, Berg, Davis, Goodman, Macri, Peterson, Slatter, Valdez, Pollet, Hackney, Kloba, Frame

CONTEXT:

This bill is by request of the Office of the Governor and addresses the Legislature’s and Governor’s interest in further addressing greenhouse gas emissions attributed to the building sector in Washington.

This bill is one of the climate change priorities in the 2022 legislative session for the Governor and sponsors.

STATUS:

In the House Committee on Local Government.

SNOPUD POSITION:

Other

PRINCIPLES:

- **Reliability of service:** Uncertain impacts.
- **Affordability of rates:** Uncertain impacts.
- **Safety to community:** No impact.
- **Local control:** Potential negative impacts.
- **Environmental stewardship:** Intended beneficial impacts.

LEGISLATIVE HISTORY/ACTION:

N/A

SNOPUD EFFORTS:

- Snohomish PUD has engaged in conversations with utility and environmental stakeholders.

KEY STATE LEGISLATION REPORT

HB 1814: Expanding equitable access to the benefits of renewable energy through community solar projects.

SUMMARY:

- Restructures the Community Solar Expansion Program as an entirely new program separate from the Renewable Energy Production Incentive Program.
- Authorizes, beginning July 1, 2022, and through June 30, 2033, an administrator of an eligible community solar project to apply to the Washington State University Extension Energy Program for certification of eligibility to receive a onetime energy burden reduction incentive payment from a participating electric utility, on behalf of and for the purpose of providing direct benefits to the project's qualifying subscribers.
- Adds a definition for "qualifying subscriber" to mean a low-income subscriber, low-income service provider subscriber, tribal agency subscriber, or public agency subscriber.
- Specifies that a one-time energy burden reduction incentive payment equals the sum of the following:
 - o A maximum of \$20,000, equal to the community solar project's administrative costs; and
 - o An amount equal to 100% of the proportional cost of the share of the community solar project.
- Establishes biennial statewide caps of \$5 million per biennium beginning July 1, 2023.

SPONSOR(S):

Representatives: Shewmake, Berry, Bateman, Duerr, Macri, Ramel, Paul, Bergquist, Fitzgibbon, Pollet, Harris-Talley, Kloba

CONTEXT:

This bill is nearly the same language as the previous low-income community solar bill (HB 2248) that passed the Legislature in 2020 but was vetoed by the Governor in response to the pandemic. There are some minor language changes, most of which are revisions to dates.

STATUS:

In the House Committee on Environment & Energy.

SNOPUD POSITION:

Support

PRINCIPLES:

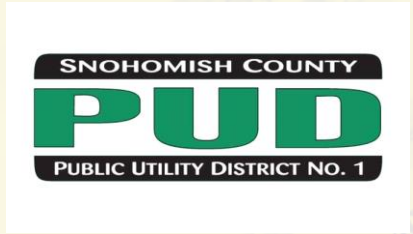
- **Reliability of service:** Potential benefits.
- **Affordability of rates:** Potential benefits.
- **Safety to community:** No impact.
- **Local control:** No impact.
- **Environmental stewardship:** Intended benefits.

LEGISLATIVE HISTORY/ACTION:

N/A

SNOPUD EFFORTS:

- Snohomish PUD has discussed this proposal with the prime sponsor and utility and environmental stakeholders.



SnoPUD Wildfire Mitigation Plan (WMP)

Commission Presentation January 18, 2022

Last Presented July 6, 2021

Gordon Hayslip, Manager Transmission Engineering & Standards



Power in Partnership

Wildfire Risk in the West

- **Near Year-Round Fire Season:**

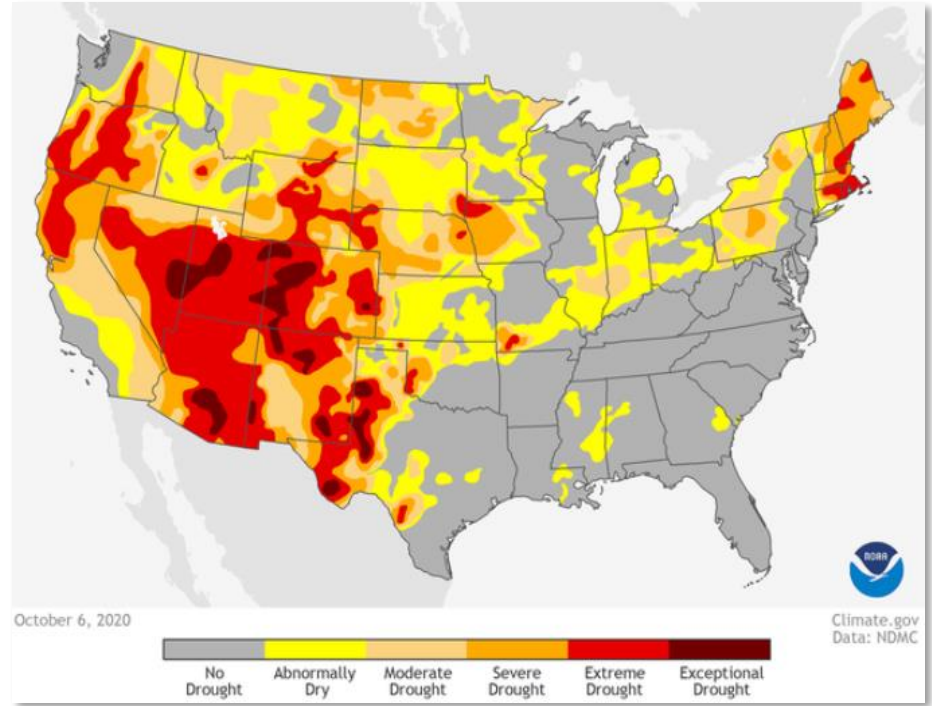
- The traditional notion of “Fire Season” no longer exists.

- **Hazardous Fuel at All Time High:**

- 10M acres of land contain ready-to-burn kindling from nearly 147M trees that have been killed or weakened by drought and bark beetle infestation.

- **Wildland Urban Interface:**

- More homes, communities and infrastructure are in high fire threat areas.



1/18/2022

29/229

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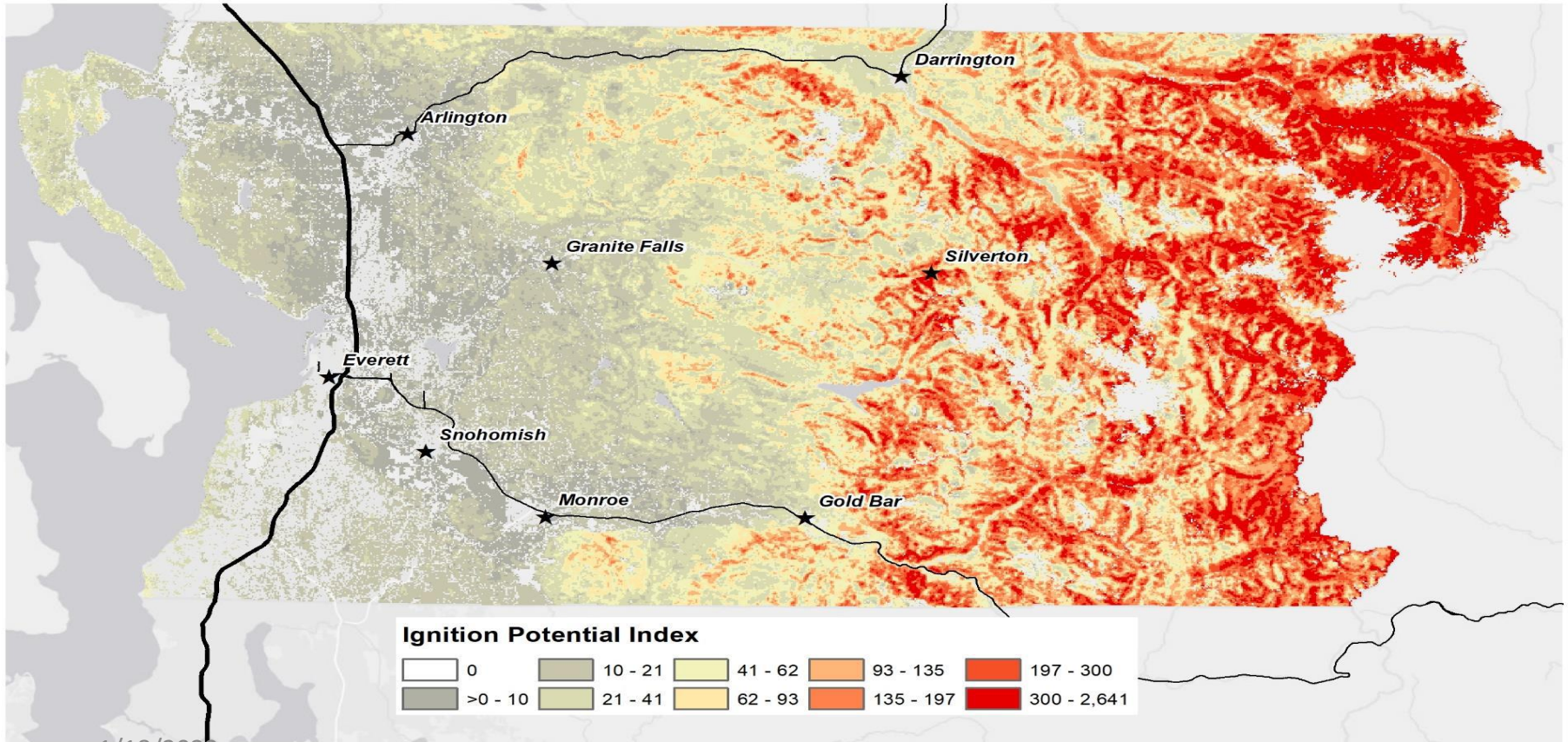
WMP Key Objectives

- ✓ Protect public safety
- ✓ Minimize wildfire risk
- ✓ Wildfire prevention, mitigation & recovery
- ✓ Effective communication and outreach
- ✓ Be proactive ahead of state mandates
- ✓ Documented VM program
- ✓ Reduce liability
- ✓ Continually improve the plan

Plan Elements

- | | |
|---|------------------------------------|
| ✓ Objectives of the Plan | ✓ Vegetation Management Program |
| Overview and Application of Districts | |
| ✓ Fire Preventative Strategies and Programs | ✓ T&D Operational Practices |
| ✓ Wildfire Risk Methodology | ✓ System Hardening Recommendation |
| ✓ Identification of Higher Threat Areas | ✓ Inspection Plans |
| ✓ Identification of Risks | ✓ Emergency Response Plan |
| ✓ District Asset Overview | ✓ Performance Metrics & Monitoring |
| ✓ Prevention Strategies and Programs | ✓ Plan Review & Revision |

Ignition Potential

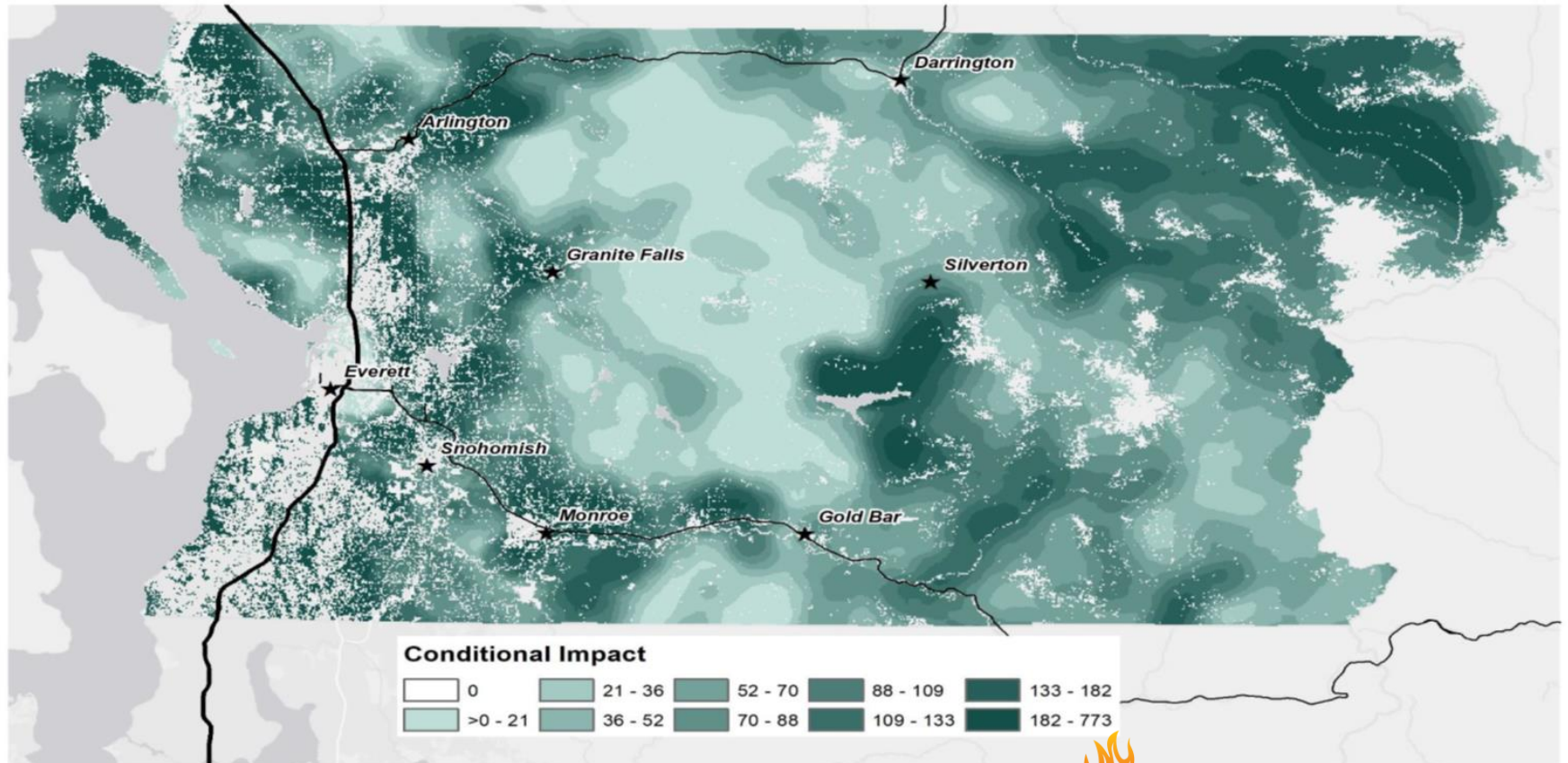


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Conditional Impact



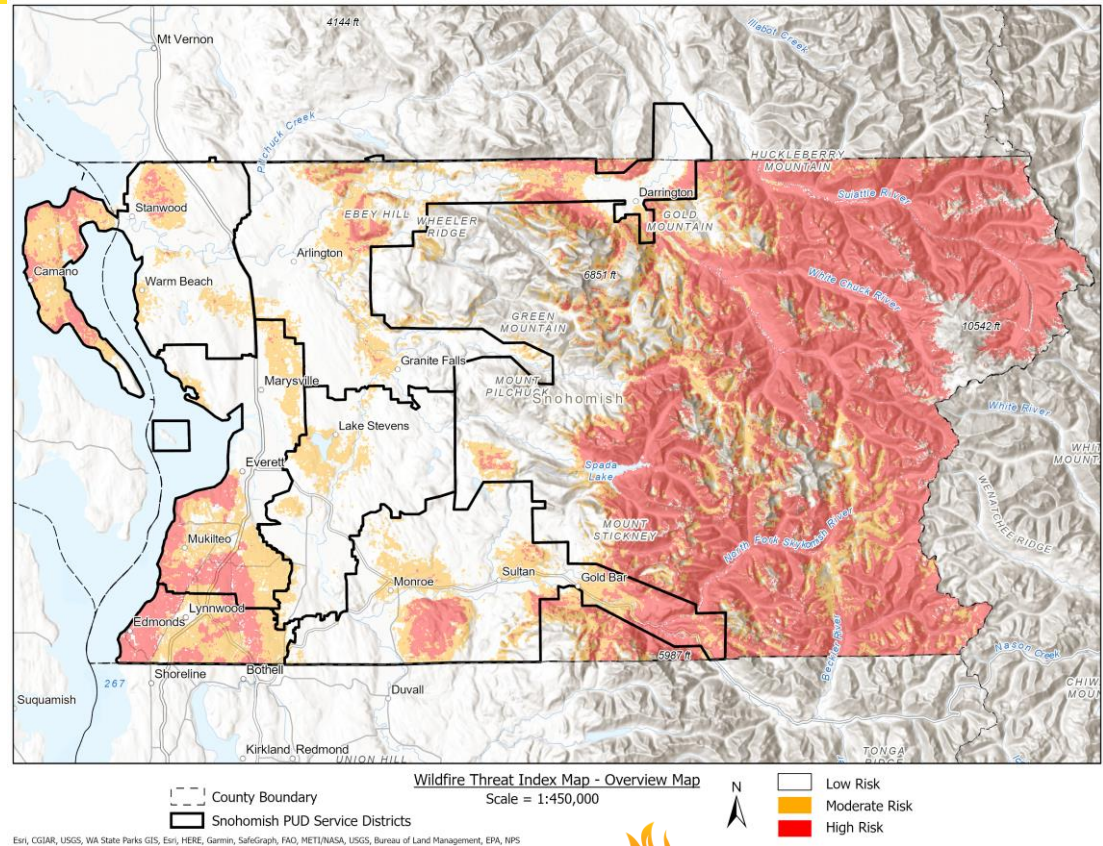
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Wildfire Risk Map

- Geospatial Info.
- Populations
- Structures
- Assets
- Fire History
- Topography
- Physical Access
- On-site Inspections



1/18/2022

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Your strategic partner for: Engineering. Planning. Permitting.



7



Asset Risk Identification



High Risk Areas:

- 11% Transmission
- 16% OH Distribution
- 21% UG Distribution
- 20% Substations
- 100% Generation

Assets	Total	Low		Moderate		High	
	Line-miles	Line-miles	%	Line-miles	%	Line-miles	%
115 kV OH Transmission	326	184	56%	106	33%	36	11%
12.5 kV OH Distribution	5,812	3,118	54%	1,773	30%	921	16%
12.5 kV UG Distribution	3,590	1,493	42%	1,337	37%	759	21%
Substations	93	37	40%	37	40%	19	20%

1/18/2022

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Vegetation Management

Pole Clearing
Fuels Removal
Right of Way Maintenance



Operational Practices

Disabling Automatic Reclosing
Drone/Infrared Inspections
Increased Community Outreach



Design & Construction

10 Reclosers Replacing Fuses
Metal Transmission Poles
Avian Framing
Underground Distribution Lines



Situational Awareness

Coordination w/ Emergency Services
NWS & Weather Station Monitoring
Metric Monitoring



Inspection & Maintenance

GIS Inspection Tracking
T&D Inspection Program
Intrusive Wood Pole Testing
Steel Pole Inspection



Response & Recovery

Critical Event Messaging
Line Patrols prior to Re-energization
Post-disaster Customer Assistance

Next Steps

- Revisit WMP Annually — Update as Needed

Thank You!

Questions or Comments?

Energy Risk Management Committee (ERMC)

Quarterly Report – 4th Quarter 2021

January 18th, 2022

Peter Dauenhauer, Principal Utility Economist

Felicienne Ng, Principal Utility Economist

Brian Booth, Sr. Manager

Rates, Economics, & Energy Risk Management

A Little Background

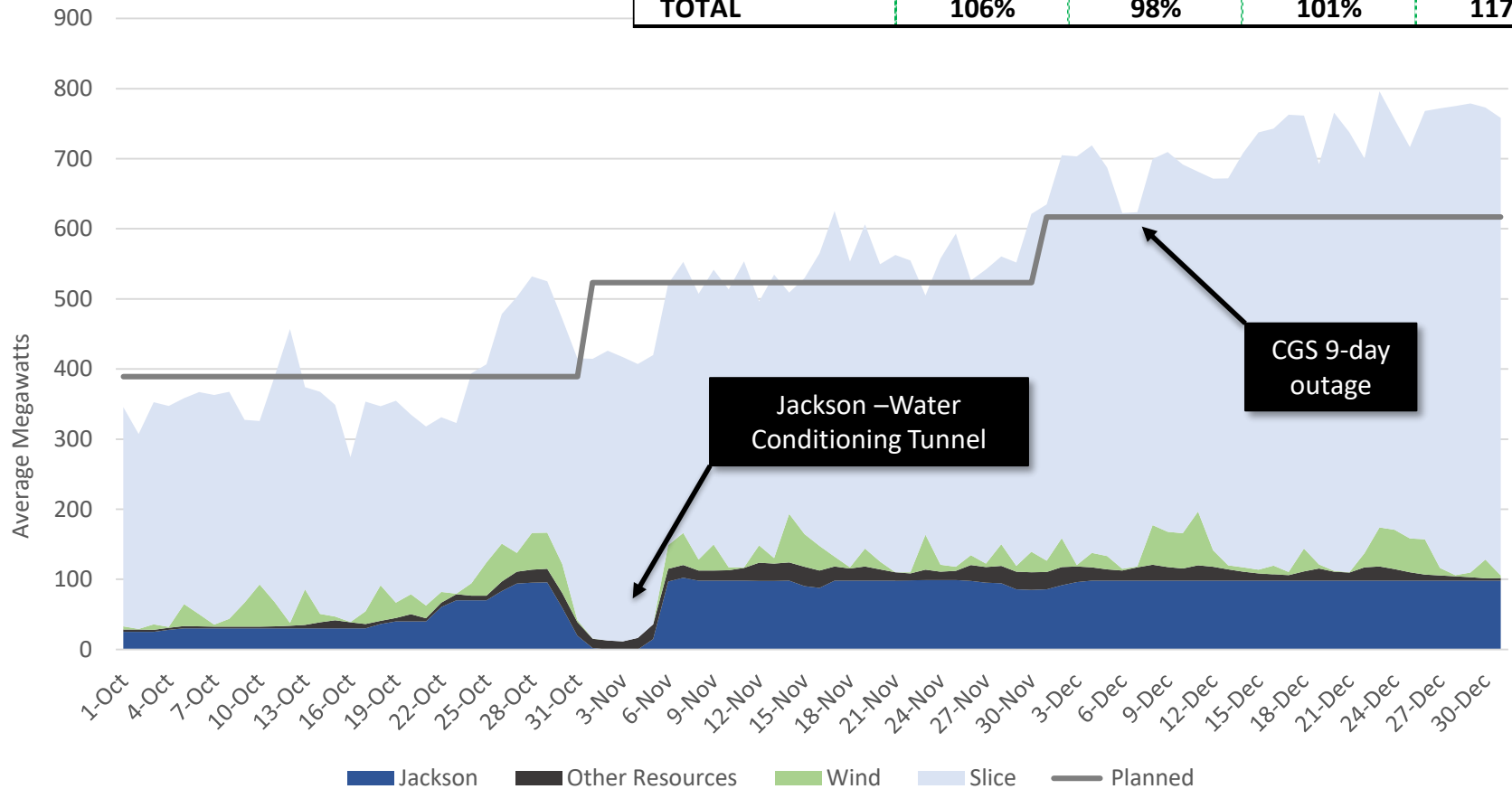
- ❑ PUD staff make best efforts to anticipate both the consumption of electric power by its customers and the supply of electric power available.
- ❑ The District engages in transactions in order to meet customer needs in a dependable, safe and responsible manner
- ❑ These transactions include buying, selling, and scheduling of electric power, options for electric power, or other energy commodities as necessary to meet load and mitigate risk

Recent Meetings

- ❑ **Oct 19th, 2021** – Q3 '21 Quarterly Risk Report
- ❑ **August 17th, 2021** – Q2 '21 Quarterly Risk Report
- ❑ **April 20th, 2021** – Q1 '21 Quarterly Risk Report
- ❑ **Jan 19th, 2021** – Q4 '20 Quarterly Risk Report
- ❑ **December 15th, 2020**
 - ❑ Energy Risk Management Policies and Procedures (Workshop)

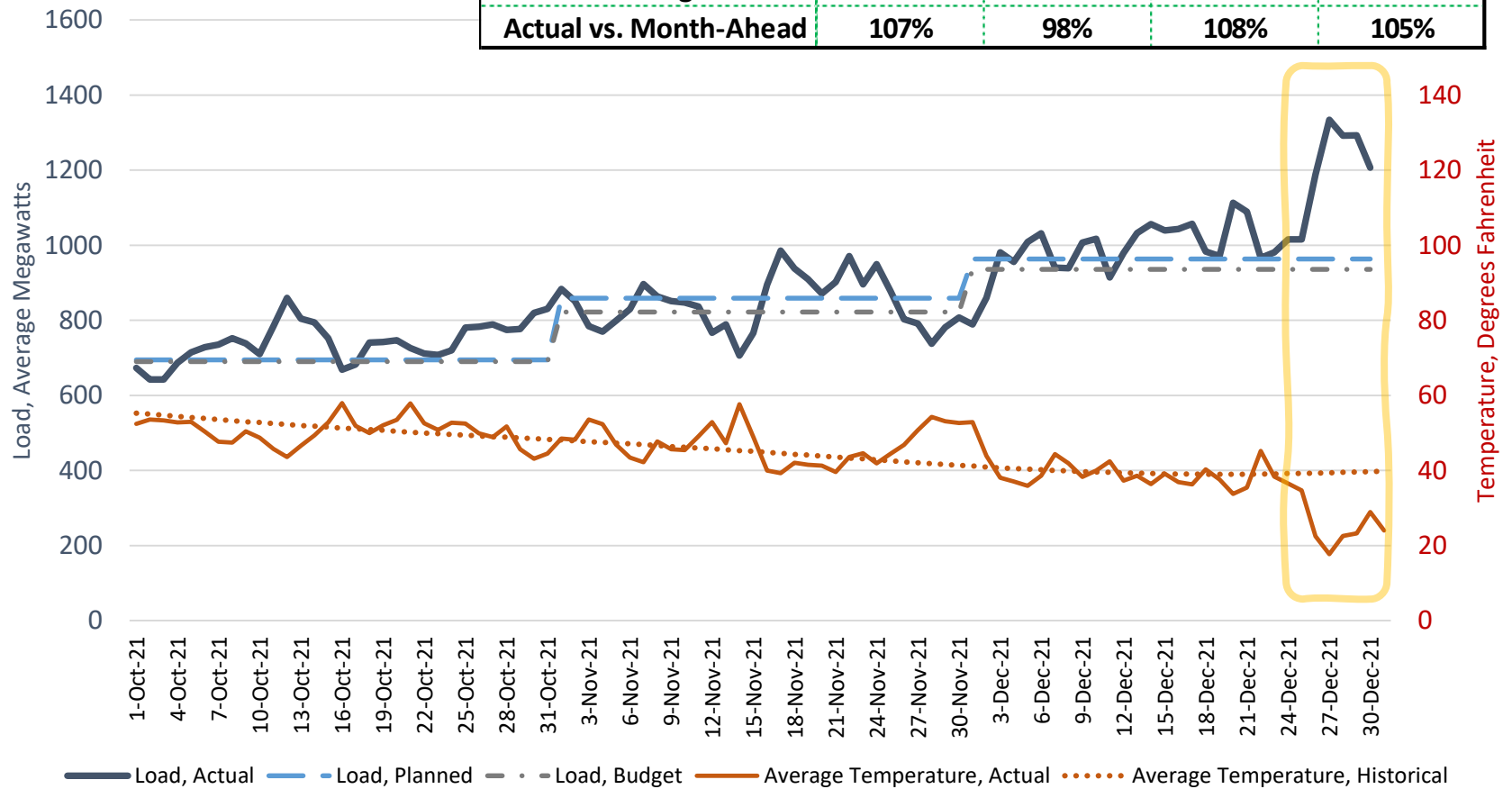
Supply

2021	Actual Relative to Planned			
	Quarter 4	October	November	December
Slice	103%	93%	97%	114%
Wind	117%	130%	98%	121%
Jackson	129%	123%	119%	143%
Other Resources	97%	95%	115%	82%
TOTAL	106%	98%	101%	117%

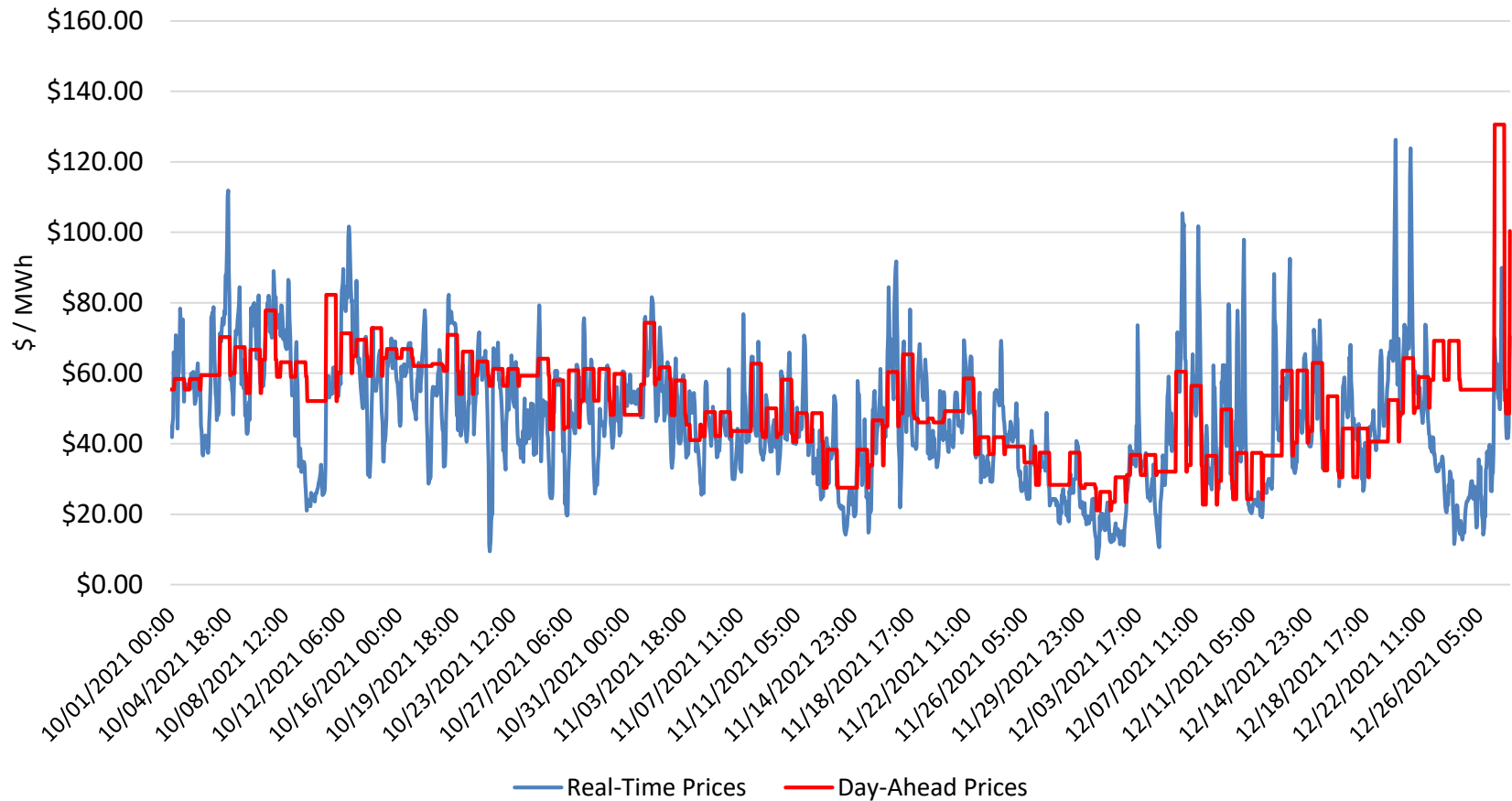


Demand

2021	Actual Relative to Planned Loads			
	Quarter 4	October	November	December
Budget Forecast	816	690	822	936
Month-Ahead Forecast	839	694	859	963
Actual	877	743	845	1043
Actual vs. Budget	108%	103%	111%	107%
Actual vs. Month-Ahead	107%	98%	108%	105%

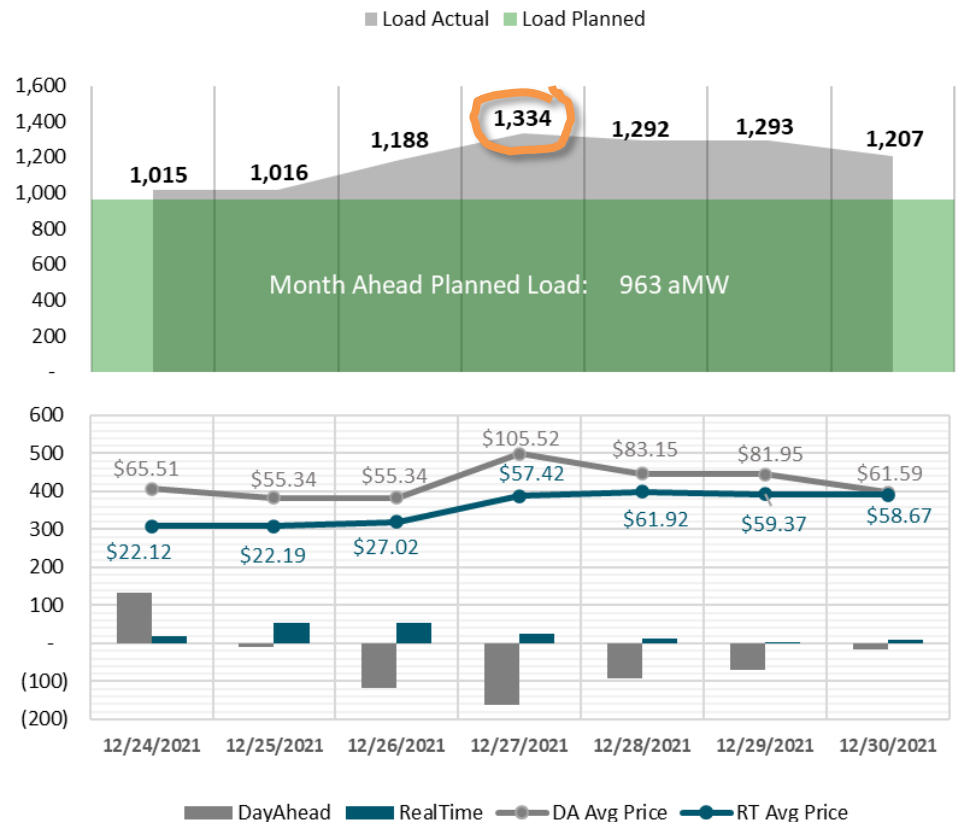


Market Prices

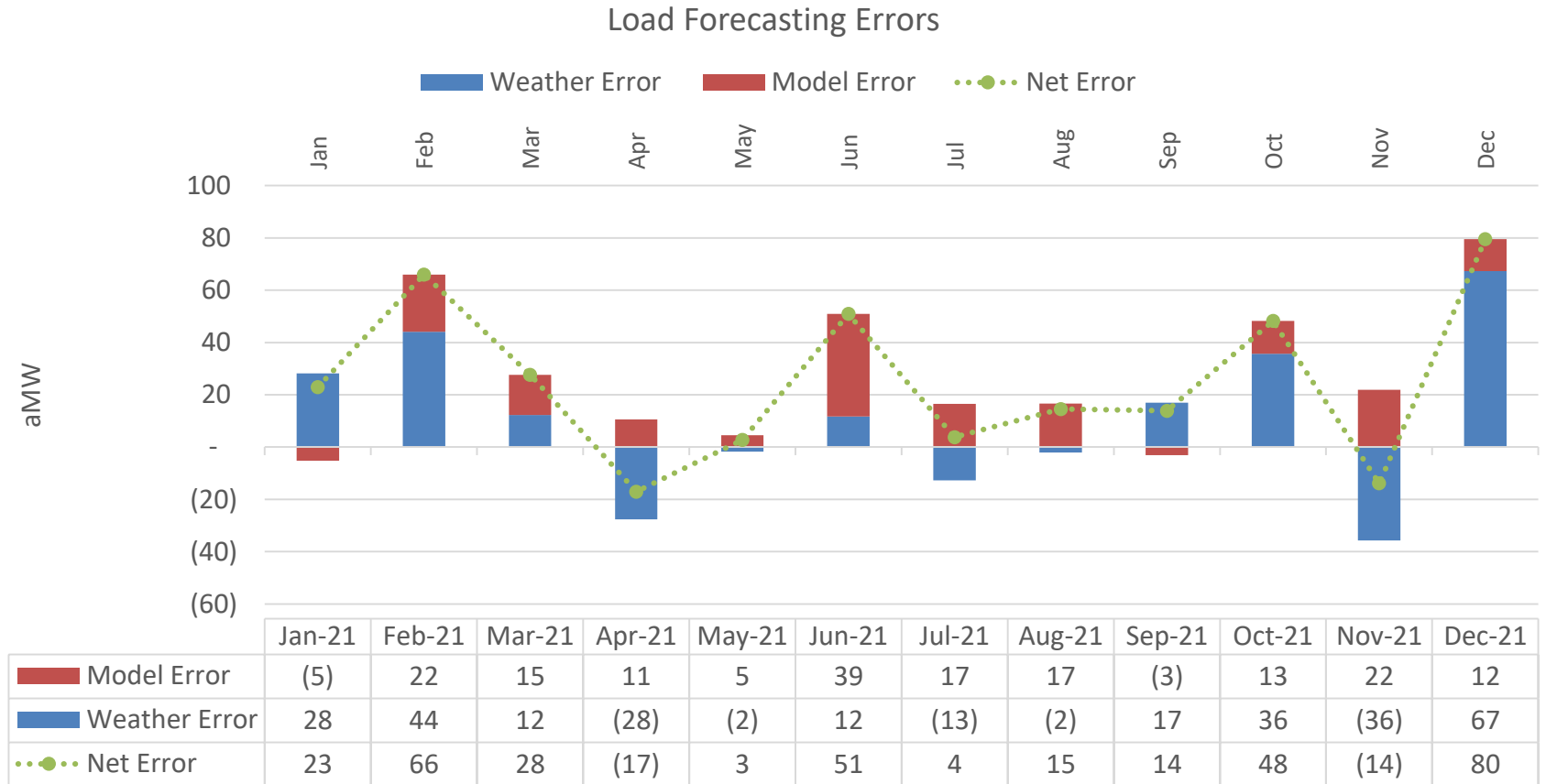


Peak Week Demand

- ❑ The “Peak Week” during the quarter has the single highest moment of load demand.
- ❑ Market prices during those periods are also shown.
- ❑ The week of Dec 24 – Dec 30 was our peak week of the quarter, with a max of 1,344 MWa on 12/27
 - ❑ 1526 peak hour was highest since 1531 seen in 2009 when Kimberly Clark was still operating.
- ❑ Prices over this week peaked on 12/27 (\$105.52 Day Ahead, \$89.95 Real Time)
- ❑ The PUD was a net buyer over the period

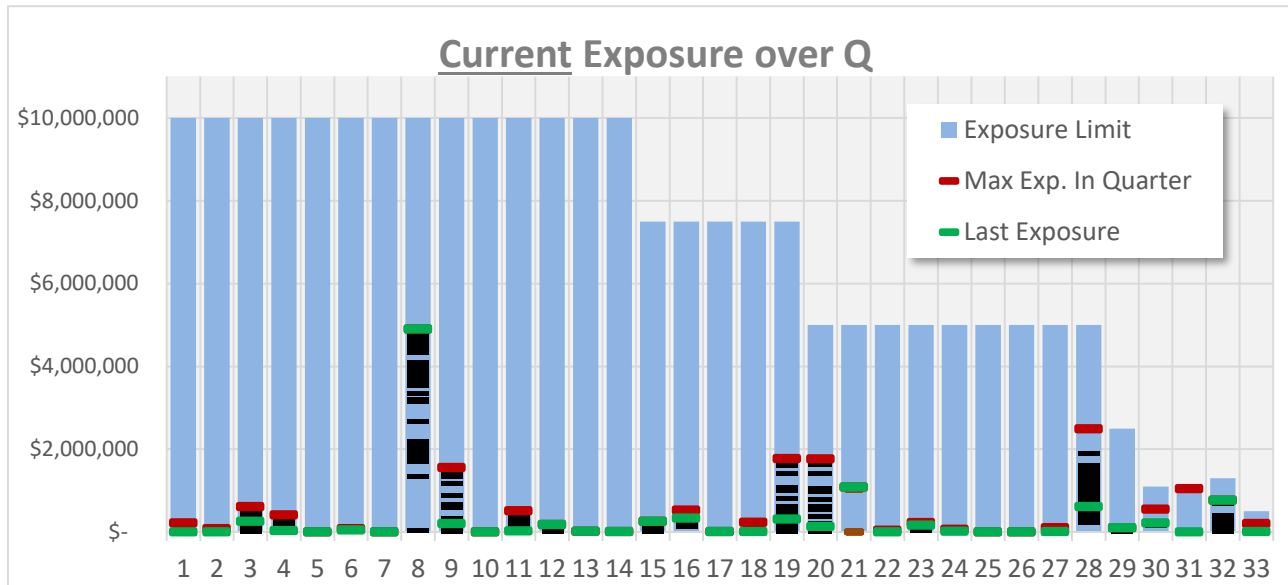


Forecast Errors Over Time



Tests

Credit Limit Analysis – Current Exposure

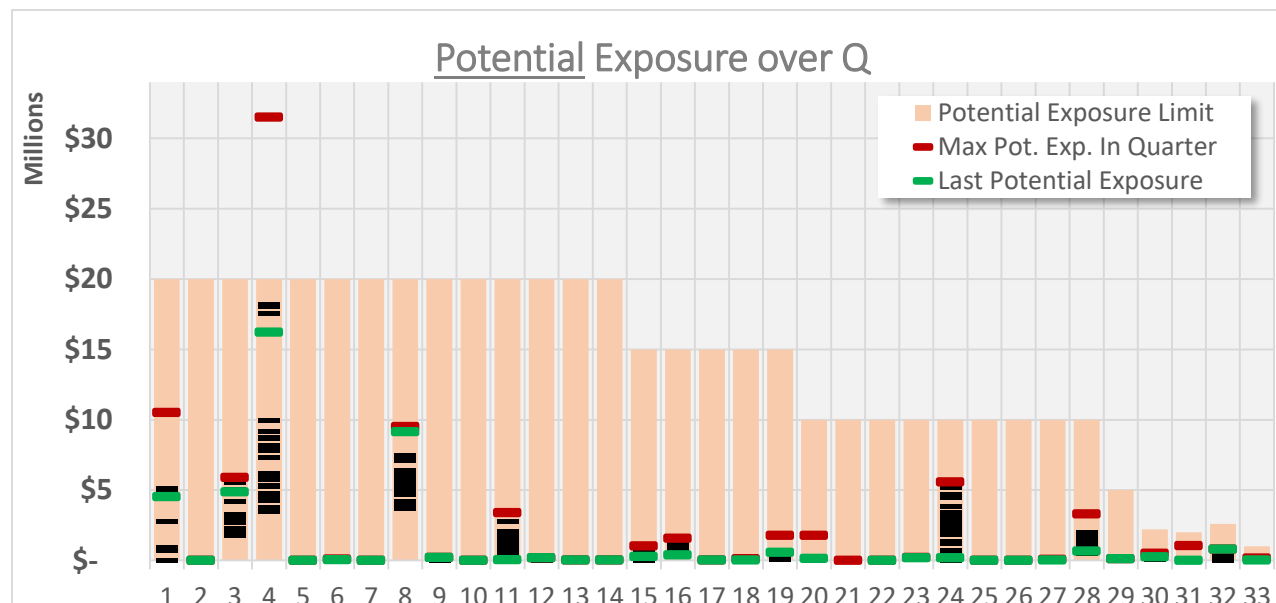


□ The District has 33 approved trading counterparties

NO Exceedances during the quarter.

- >12 Tests are shown throughout the quarter per counterparty. The largest observation is highlighted.
- “Current exposure” is the cost of all active transactions at current market prices with each counterparty

Credit Limit Analysis – Potential Exposure



□ The District has 33 approved trading counterparties

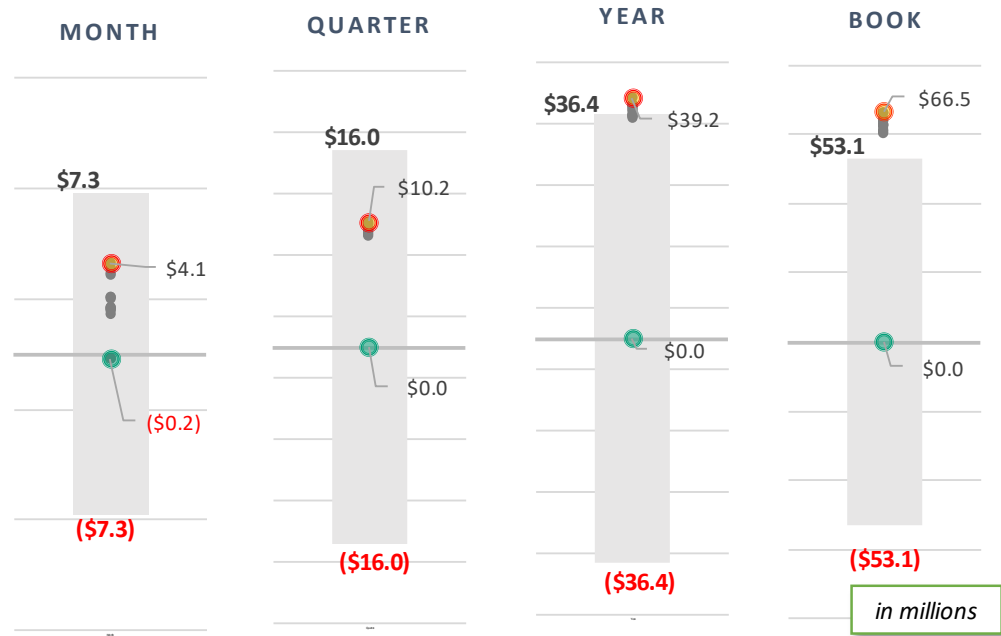
1 Exceedance during the quarter.

- Tests are shown throughout the quarter per counterparty. The largest observation is highlighted.
- “Potential exposure” is the cost of all active transactions at *potential* market prices and current volatility with each counterparty

Financial Load Resource Imbalance Test

“Bird in Hand is Worth Two in the Bush” Test

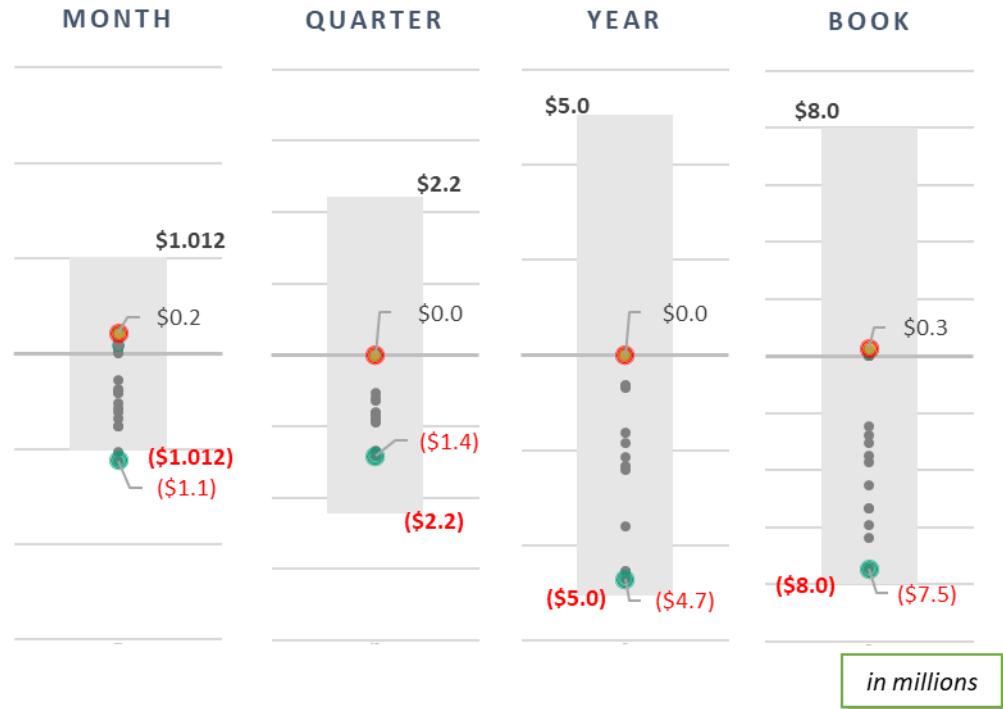
- ❑ Risk limits for this test apply to our net power position assuming slice at p25, wind & load at p50
- ❑ No open position is allowed to have a market value greater than:
 - ❑ \$7.3M in any one-month
 - ❑ \$16.0M for one-quarter
 - ❑ \$36.4M for one-year
 - ❑ \$53.1 in total for all positions added together
- ❑ Limits exceeded twice in the quarter
- ❑ 12 tests are shown for each horizon during the quarter. The largest observation is highlighted.



Note – each graph on individual scale

Price Volatility Test

- ❑ Our net long or short positions are subject to risk through, among other things, movements in market prices
- ❑ Risk limits for this test apply for possible one-day and five-day price movements
- ❑ Possible price movements are calculated on the basis of currently observed price volatility in forward markets
- ❑ Limit exceeded on one occasion
- ❑ 12 tests are shown for each horizon during the quarter. The largest observation is highlighted.



Note – each graph on individual scale

Limit Exceedance Summary

Date	Type	Scale	Resolved	ERMC Action
12/23	Jan '22 Price Volatility Test	100k	1/6/22	Sold Surplus to Reduce Risk of Lost Value
12/23/21	Credit Limit - PFE	11.5M	1/6/22	Paused Trading With That Counterparty
11/12/21	Cal '23 Market Exp.	400K	12/16	Voted to monitor. Sold surplus at later dates.
9/23/21	Book Market Exposure	6M to 8M	Ongoing	Voted to Monitor & Explore Financial Trading as a Solution

Financial Trading 101

- ❑ The PUD has almost exclusively transacted physical products. Financial products are another, popular tool in the toolbox to manage market risks.
- ❑ Commonly used by peer NW Public Power utilities
- ❑ Advantages:
 - ❑ Locks in prices the same as physical transactions
 - ❑ Additional liquidity
 - ❑ Preserve physical length (Resource Adequacy)
 - ❑ Various credit advantages
 - ❑ Qualified Independent Representative – both a benefit and a cost
- ❑ Considerations:
 - ❑ Additional Counterparty requirements – ISDA*
 - ❑ Back-office preparation and ongoing management

*International Swaps & Derivatives Agreement

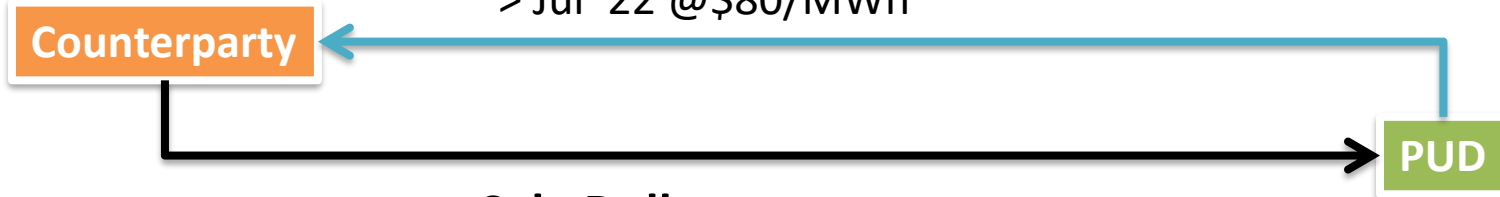
For Example

- ❑ The PUD has a *lot* of length for the coming summer
- ❑ Prices and volatility are high, meaning that a lot of money is at risk if prices were to drop and that length were to lose value
- ❑ However, the PUD wishes to maintain enough physical resources to comply with pending Resource Adequacy requirements

Physical Sale and \$75 Index

----- Time: Jan '22 -- Physical Trade – PUD Sells 25MW -----

Energy 25MW
> Jul '22 @\$80/MWh



Sale Dollars

= 744hrs * 25MW * \$80/MWh
= (\$1,488k to PUD)

----- Time: July '22 -----

PUD's Math

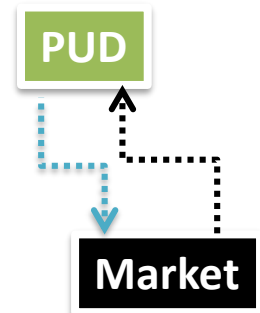
+ Sale 1,488k

- DA Index 1,395k

Gain vs. Day-Ahead: 89k

Day-Ahead Market Transacts at \$75

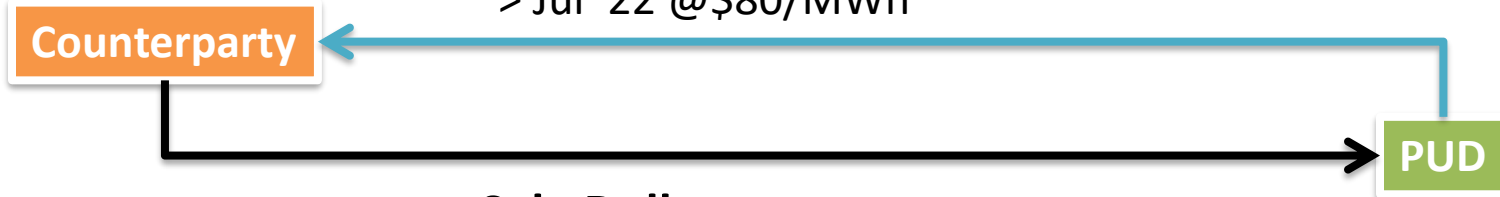
= 744hrs * 25MW * \$75/MWh
= \$1,395k



Physical Sale and \$85 Index

----- Time: Jan '22 -- Physical Trade – PUD Sells 25MW -----

Energy 25MW
> Jul '22 @\$80/MWh



Sale Dollars

= 744hrs * 25MW * \$80/MWh
= (\$1,488k to PUD)

----- Time: July '22 -----

PUD's Math

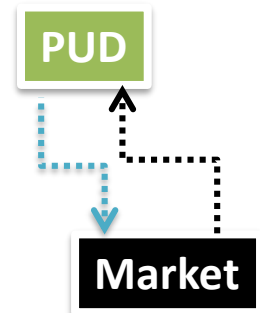
+ Sale 1,488k

- DA Index 1,581k

Loss vs. Day-Ahead: -89k

Day-Ahead Market Transacts at \$85

= 744hrs * 25MW * \$85/MWh
= \$1,581k



Financial Sale and \$75 Index

----- Time: Jan '22 -- Financial Swap – PUD Sells 25MW Financially -----

Fixed Price 25MW
> Jul '22 @\$80/MWh

Sale
= 744hrs * 25MW * \$80/MWh
= (\$1,488k to Counterparty)

Counterparty

PUD

----- Time: July '22 -----

PUD's Math

+ DA Sales	1,395k
+ Settle	89k
Total Sale	1,488k

Counterparty

Counterparty pays
difference (settled)
= \$89k

PUD Sells at Day Ahead Index: \$75/MWh
= 744hrs * 25MW * \$75/MWh
= \$1,395k Market Value

PUD

Market

Financial Sale and \$85 Index

Time: Jan '22 -- Financial Swap – PUD Sells 25MW Financially

Fixed Price 25MW
> Jul '22 @\$80/MWh

Sale

$= 744\text{hrs} * 25\text{MW} * \$80/\text{MWh}$
 $= (\$1,488\text{k to Counterparty})$

Counterparty

PUD

Time: July '22

PUD's Math

+ DA Sales 1,581k
- Settle 89k

Total Sale 1,488k

PUD

Counterparty

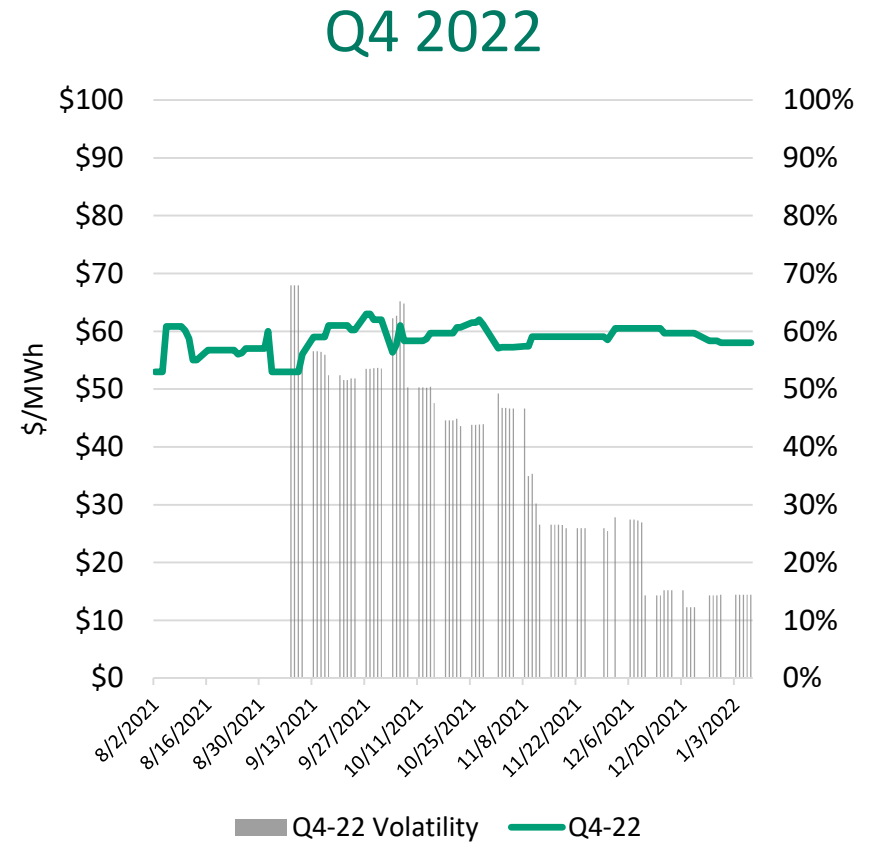
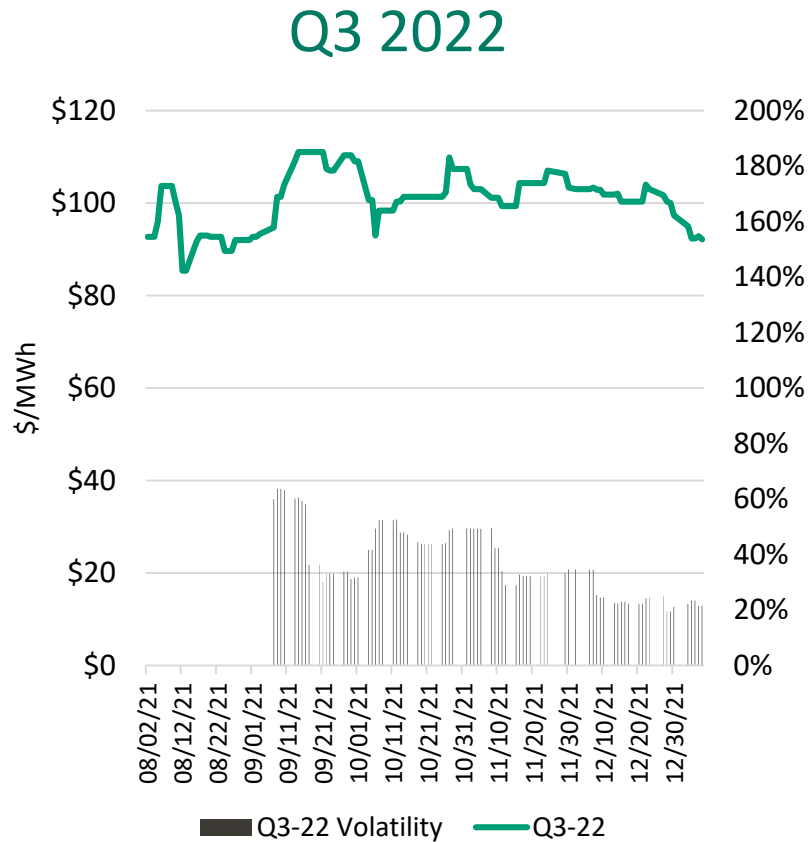
PUD pays difference
(settled)
= \$89k

PUD Sells at Day Ahead Index: \$85/MWh
 $= 744\text{hrs} * 25\text{MW} * \$75/\text{MWh}$
 $= \$1,581\text{k Market Value}$

Market



Forward Prices



Questions?

WATER SUPPLY UPDATE

- ▶ SNOHOMISH COUNTY PUD
 - ▶ Mike Shapley – Short-Term Power Trader
- ▶ COMMISSION MEETING: JANUARY 18, 2022
- ▶ LAST PRESENTED: OCTOBER 19, 2021

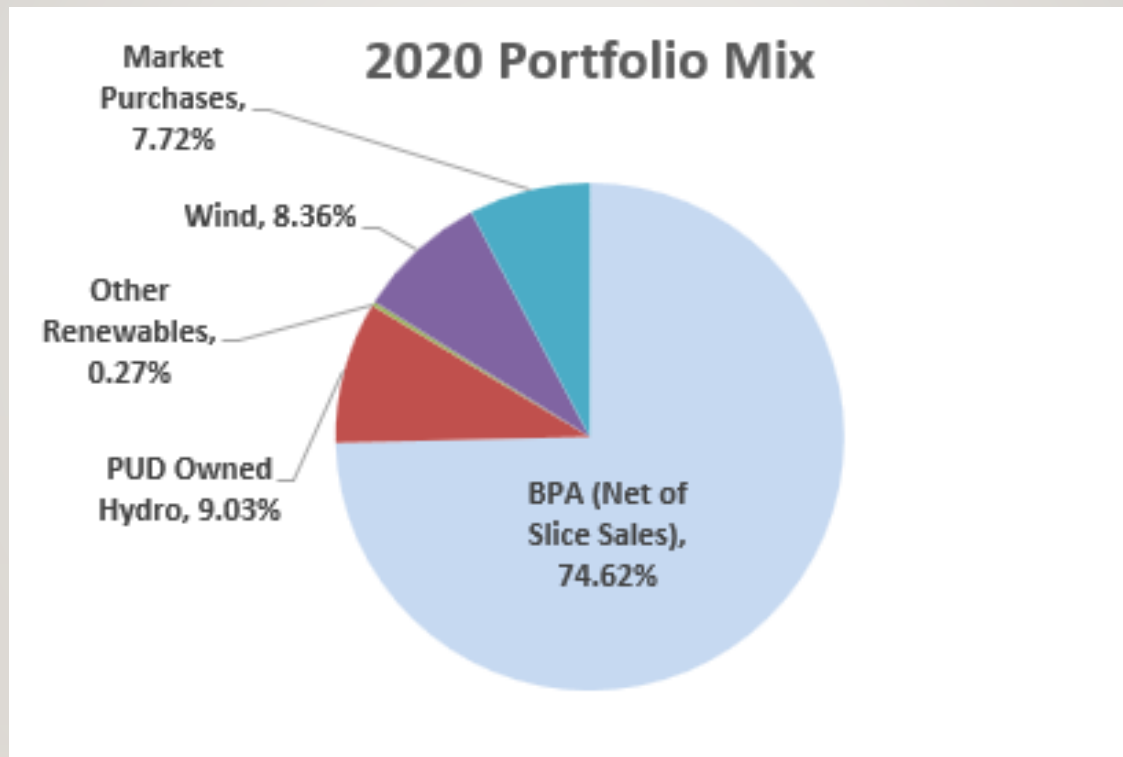


Topics:

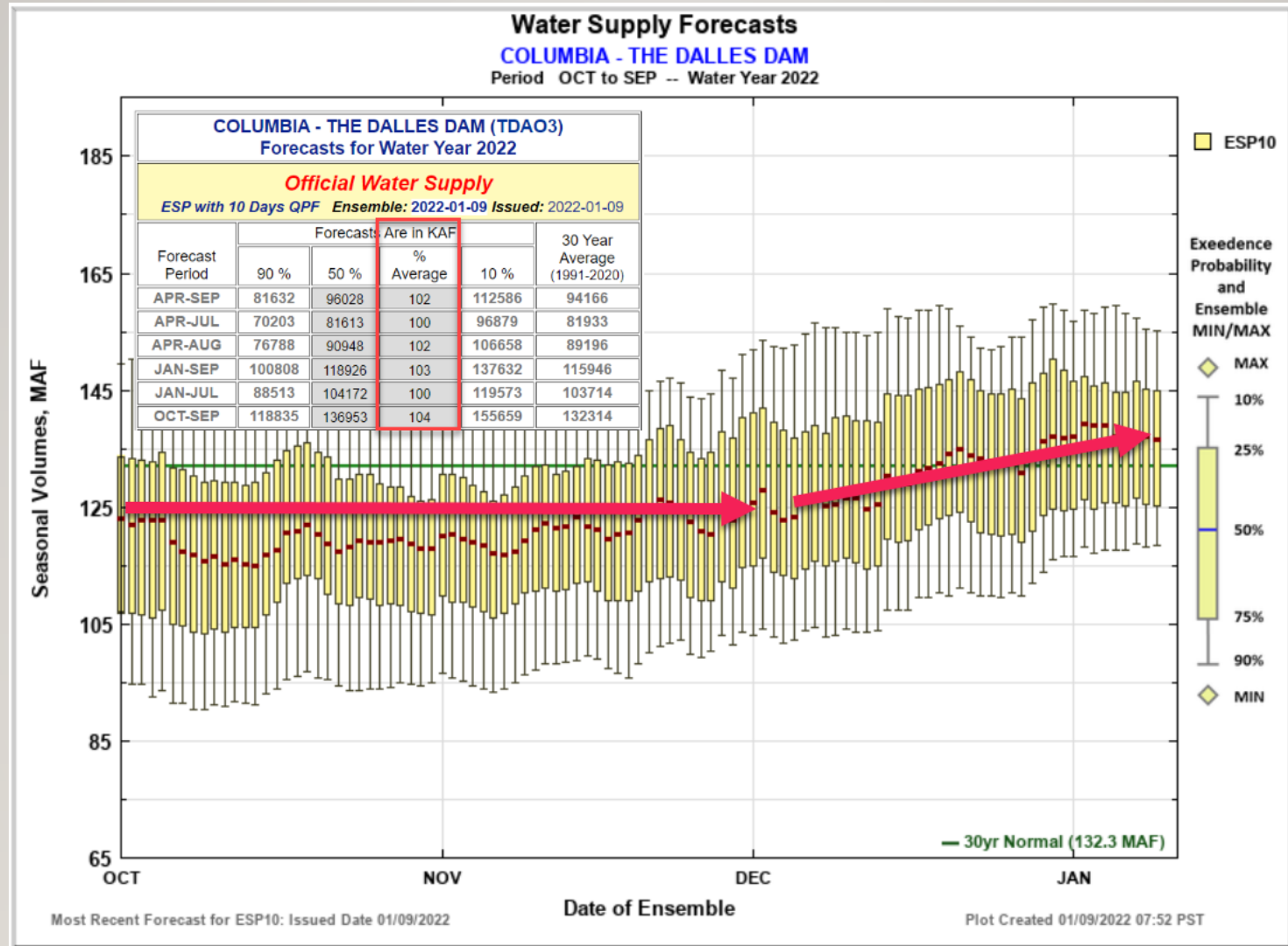
- PUD energy portfolio mix.
- WY (water year) '22 summary.
- WY '22: Hydro generation update, Non-PUD Resources and PUD owned resources.
- WY '22: Weather forecasts, expectations.

PUD energy resource portfolio:

~84% of the PUD resources rely on hydro generation and water supply.



WY '22: Oct 1, 2021 through Jan 8, 2022



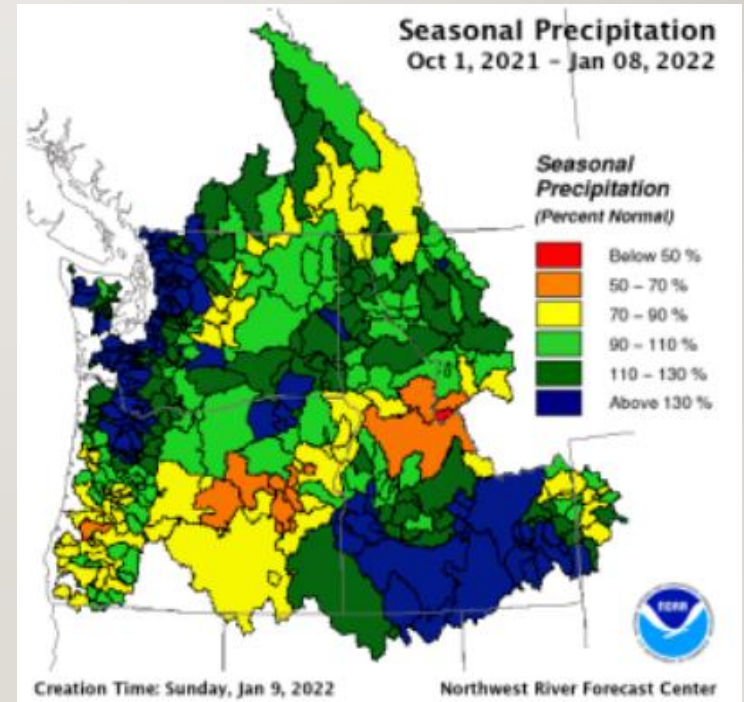
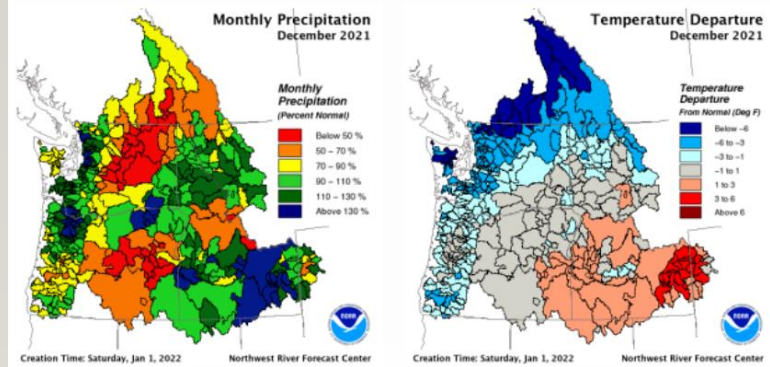
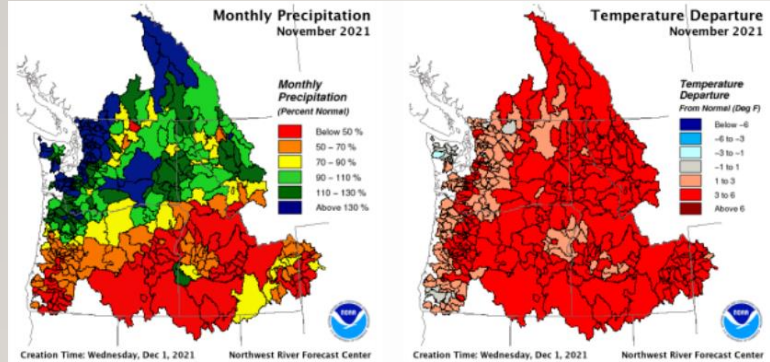
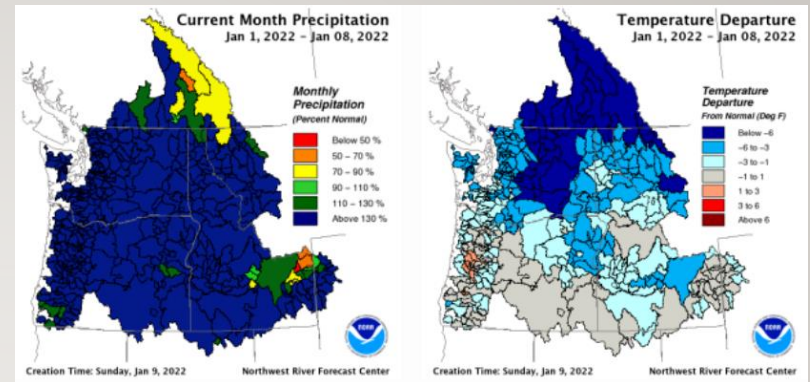
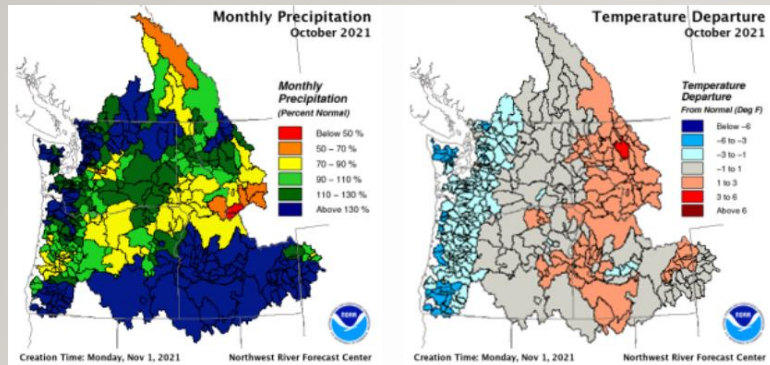
WY Rankings: 1949 - 2022

The past three water years have been below average.

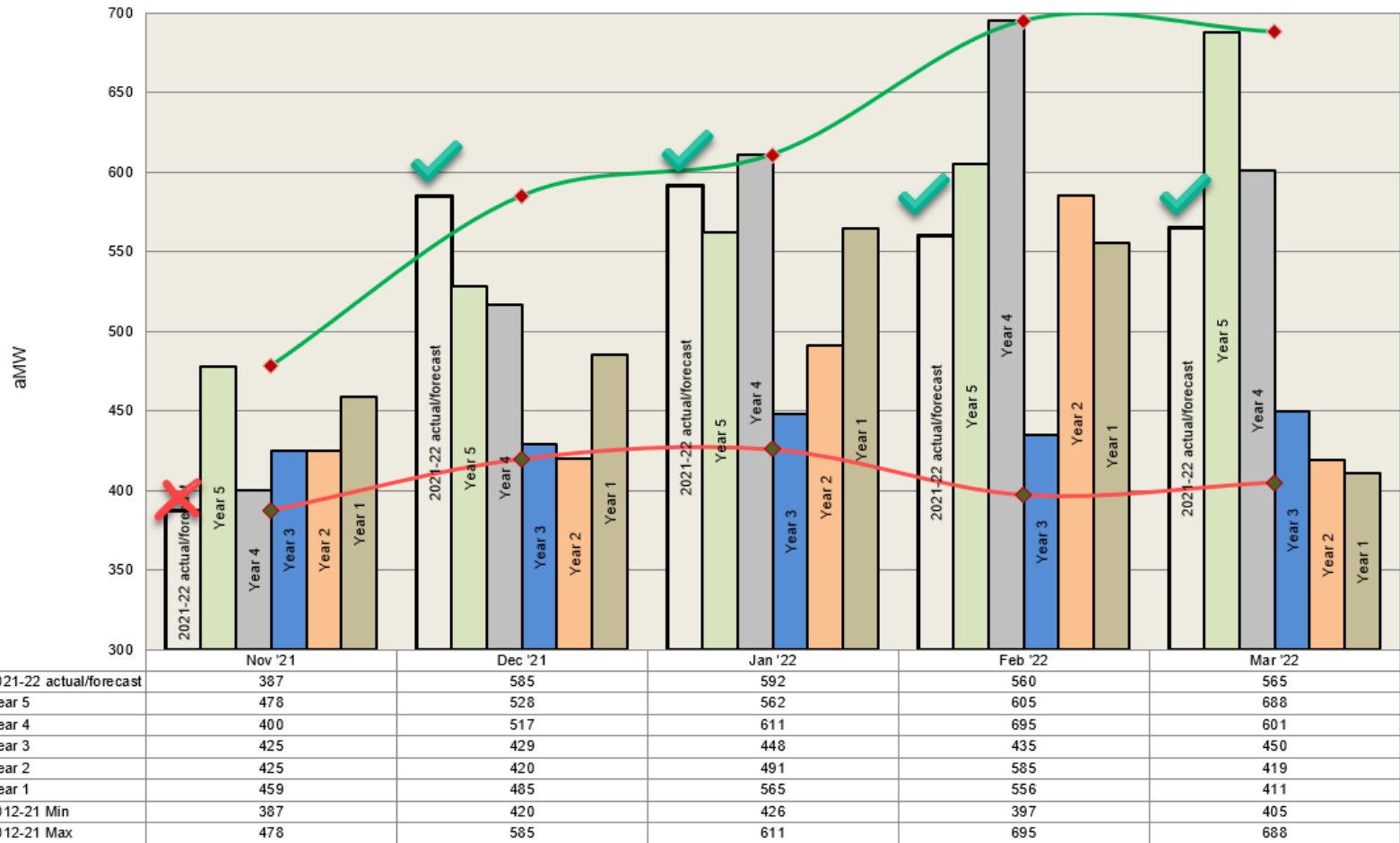
COLUMBIA - THE DALLES DAM (TDAO3) Period Rankings - 1949 to 2022 OCT-SEP Normal -- 132314 (KAF)				
Rank	Year	Period Volume (KAF)	Percent of Normal	Exceedance Probability*
1	1997	194380.15	147	1.333 %
2	1996	185350.98	140	2.667 %
3	1972	177260.75	134	4.000 %
4	1956	176691.29	134	5.333 %
5	2011	175556.01	133	6.667 %
6	1974	172125.93	130	8.000 %
7	2017	169997.02	128	9.333 %
8	1976	169187.88	128	10.667 %
9	1982	168954.07	128	12.000 %
10	1951	163924.87	124	13.333 %
11	1971	163829.66	124	14.667 %
12	1965	162475.75	123	16.000 %
13	1999	161199.95	122	17.333 %
14	2012	159010.81	120	18.667 %
15	1984	158645.98	120	20.000 %
16	1983	158230.23	120	21.333 %
17	1950	157243.54	119	22.667 %
18	1959	153359.31	116	24.000 %
19	1954	151387.94	114	25.333 %
20	1975	150102.81	113	26.667 %
21	1991	149593.14	113	28.000 %
22	1969	148994.28	113	29.333 %
23	2018	145221.69	110	30.667 %
24	1952	143820.98	109	32.000 %
25	1986	142436.26	108	33.333 %
26	2006	141768.62	107	34.667 %
27	1960	141655.43	107	36.000 %
28	1998	140615.38	106	37.333 %
29	1957	140498.27	106	38.667 %
30	1981	139172.90	105	40.000 %
31	1967	138509.45	105	41.333 %
32	2022	137563.29	104	42.667 %
33	1978	137158.21	104	44.000 %
34	1961	136807.63	103	45.333 %
35	1990	134351.08	102	46.667 %
36	2000	134231.73	101	48.000 %

37	1964	133755.66	101	49.333 %
38	2014	132462.73	100	50.667 %
39	2013	131599.32	99	52.000 %
40	1995	130911.33	99	53.333 %
41	1958	130869.51	99	54.667 %
42	1949	130374.04	99	56.000 %
43	1953	129873.01	98	57.333 %
44	2002	129640.34	98	58.667 %
45	1955	129538.80	98	60.000 %
46	2008	127550.23	96	61.333 %
47	2020	126378.93	96	62.667 %
48	1963	126090.13	95	64.000 %
49	2016	124018.92	94	65.333 %
50	2007	123497.54	93	66.667 %
51	1962	122597.04	93	68.000 %
52	1985	121261.63	92	69.333 %
53	1980	121107.07	92	70.667 %
54	2009	120591.28	91	72.000 %
55	1970	120520.94	91	73.333 %
56	1968	120321.01	91	74.667 %
57	1989	119962.18	91	76.000 %
58	1966	117282.13	89	77.333 %
59	1993	116985.99	88	78.667 %
60	2019	116259.91	88	80.000 %
61	2004	113121.24	85	81.333 %
62	2015	112669.28	85	82.667 %
63	2003	110780.65	84	84.000 %
64	2010	110638.45	84	85.333 %
65	2005	109627.12	83	86.667 %
66	1979	107629.65	81	88.000 %
67	2021	107335.50	81	89.333 %
68	1987	104980.72	79	90.667 %
69	1973	98614.68	75	92.000 %
70	1994	97630.66	74	93.333 %
71	1992	96559.06	73	94.667 %
72	1988	95985.80	73	96.000 %
73	2001	81557.12	62	97.333 %
74	1977	77641.91	59	98.667 %

WY '22: Oct-Jan precipitation and temperature departures.

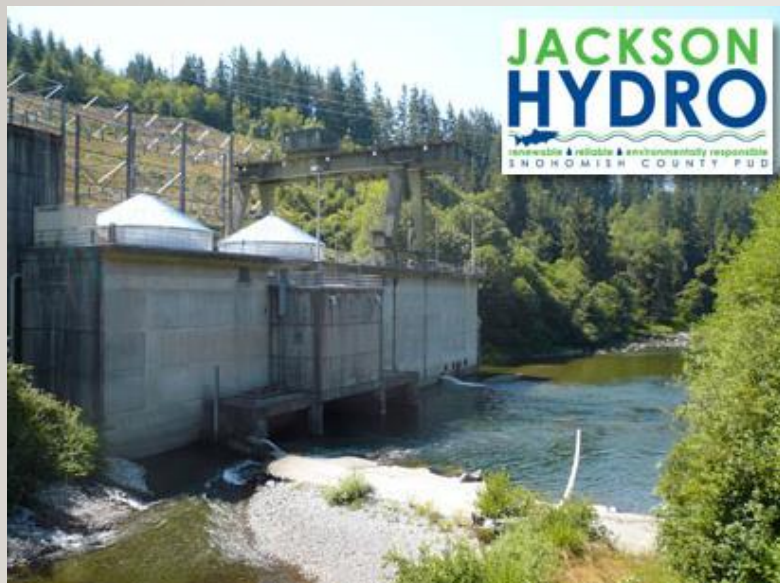


Non-PUD Resources: A great start to the water year.



WY '22: PUD Hydro.

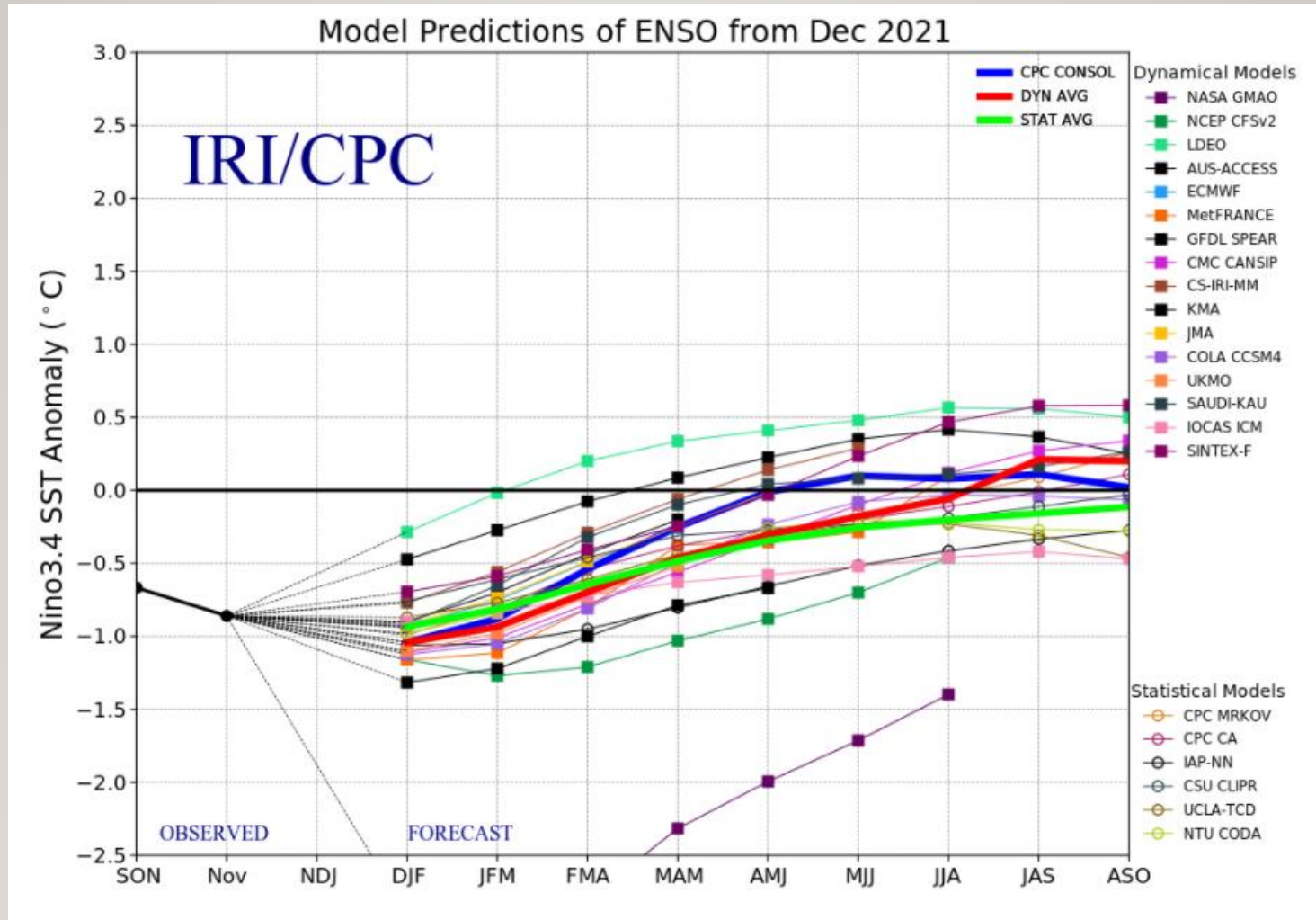
PUD run of river small Hydro (Young's, Hancock and Calligan):
Operational.



- The Spada Lake reservoir operates in “State 3, discretionary generation”.
- Water Year to date:
 - Generation 110%
 - Precipitation 125%
 - Snow 150%
- The Spada Lake reservoir elevation is ~1,429' (1380'–1450').

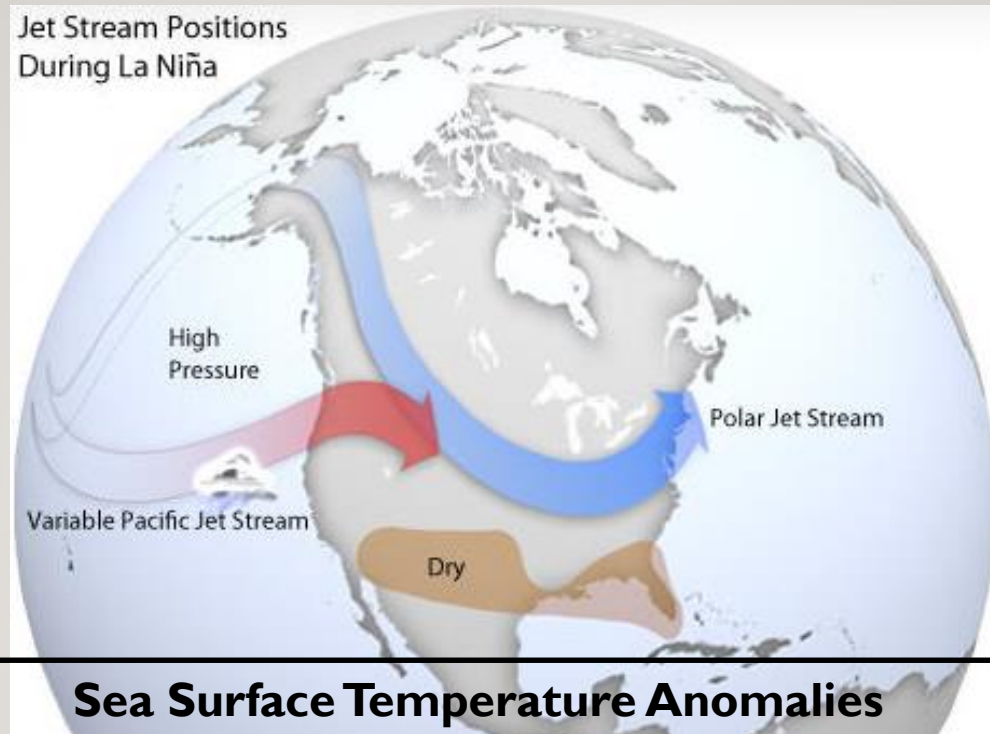
WY '22 ENSO:

La Nina (probabilities of above average precipitation and below average temperatures).



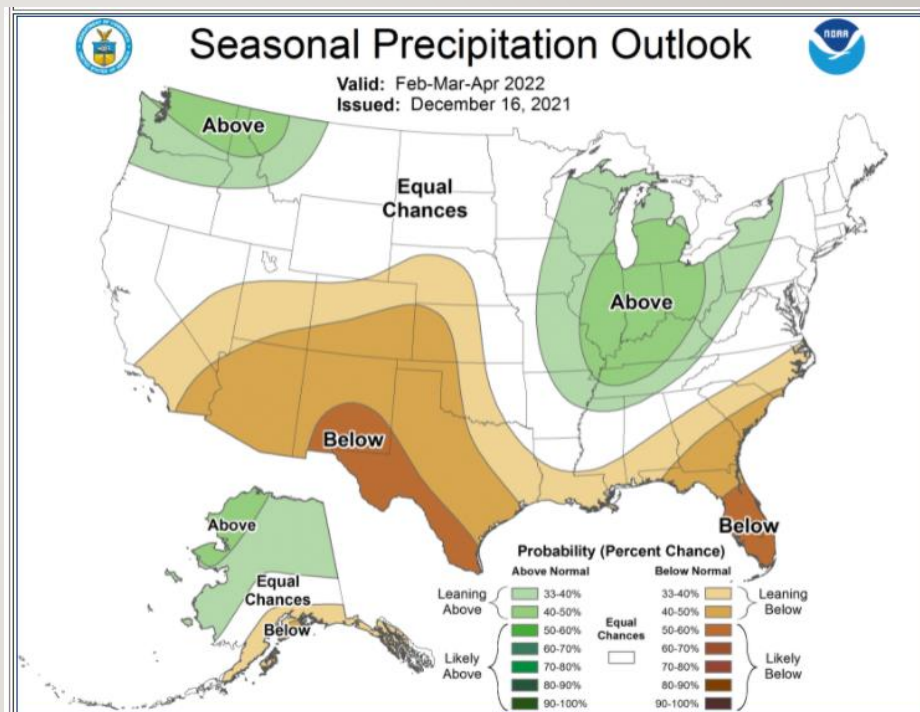
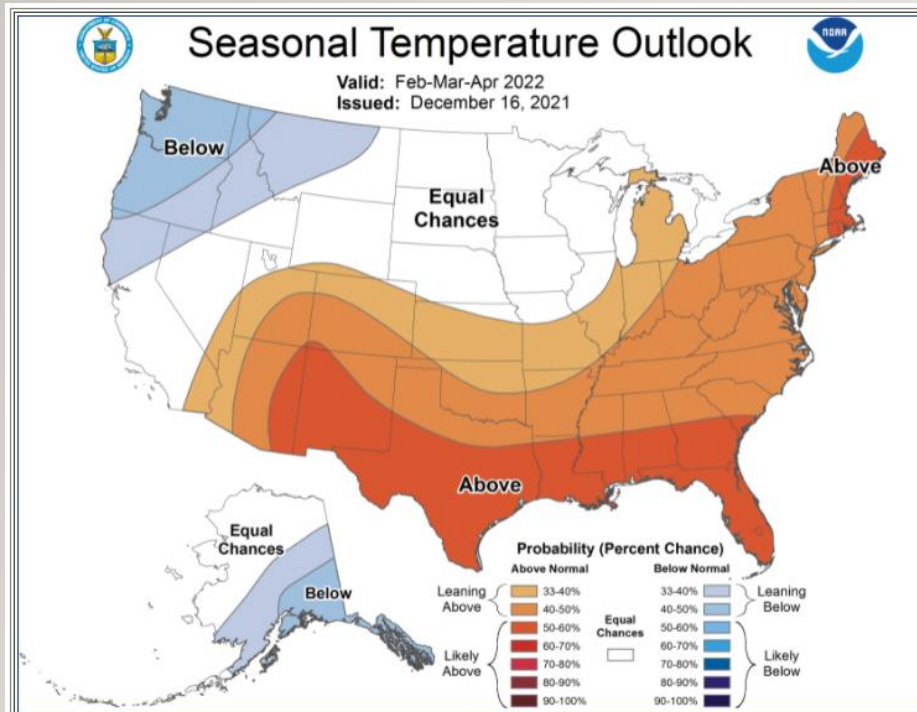
WY '22 ENSO:

Recent La Nina's have produced average to above average Slice generation in the Winter.



2016	2.5	2.1	1.6	0.9	0.4	-0.1	-0.4	-0.5	-0.6	-0.7	-0.7	-0.6
2017	-0.3	-0.2	0.1	0.2	0.3	0.3	0.1	-0.1	-0.4	-0.7	-0.8	-1.0
2018	-0.9	-0.9	-0.7	-0.5	-0.2	0.0	0.1	0.2	0.5	0.8	0.9	0.8
2019	0.7	0.7	0.7	0.7	0.5	0.5	0.3	0.1	0.2	0.3	0.5	0.5
Year	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO	SON	OND	NDJ
2020	0.5	0.5	0.4	0.2	-0.1	-0.3	-0.4	-0.6	-0.9	-1.2	-1.3	-1.2
2021	-1.0	-0.9	-0.8	-0.7	-0.5	-0.4	-0.4	-0.5	-0.7	-0.8	-1.0	

Weather forecast: Feb '22 – Apr '22



Glossary (commonly used in the water supply update) :

- ESP: Ensemble Prediction System
- ESP10: Ensemble Prediction System with 10 days of QPF (Quantitative Precipitation Forecast. A spatial and temporal precipitation forecast that will predict the potential amount of future precipitation for a specified region, or area).
- KAF: Thousand Acre Feet (An acre-foot is a volume equal to one acre of land surface covered by one foot of water).
- MAF: Million Acre Feet.
- NWRFC: Northwest River Forecast Center.
- ENSO: El Nino Southern Oscillation.
- CPC: Climate Prediction Center.
- TDA03: The Dalles Dam (reference as the last water measuring point in the Columbia River).
- WY: Water Year (Defined as October 1 – September 30).

National Weather Service (NWS) Glossary

<https://w1.weather.gov/glossary/>

ENSO (El Nino Southern Oscillation) Model Glossary:

NASA GMAO: Global Modeling and Assimilation Office.

NCEP CFSv2: National Centers for Environmental Prediction Climate Forecast System version 2.

LDEO: Lamont-Doherty Earth Observatory.

Aus-Access: Australian Community Climate and Earth-System Simulator.

ECMWF: European Centre for Medium-Range Weather Forecasts.

Met France: Météo France.

GFDL Spear: Geophysical Fluid Dynamics Laboratory Seamless System for Prediction and Earth System Research.

CMC CANSip: Canadian Meteorological Centre Canadian Seasonal to Interannual Prediction System.

CS-IRI-MM: Climate and Society-International Research Institute for Climate and Society.

KMA: Korean Meteorological Administration.

JMA: Japan Meteorological Agency.

COLA CCSM4: Center for Ocean–Land–Atmosphere Studies Community Climate System Model.

UKMO: UK Meteorological Office.

Saudi-KAU: King Abdulaziz University.

IOCAS ICM: Institute of Oceanology, Chinese Academy of Sciences intermediate coupled models .

SINTEX-F: Improved EU-Japan simulator of the Coupled General Circulation Model.

CPC MRKOV: Climate Prediction Center method used to forecast the value of a variable whose predicted value is influenced only by its current state, and not by any prior activity.

CPC CA: Climate Prediction Center Correlation Analysis.

IAP-NN: Institute of Atmospheric Physics China.

CSU CLIPR: Colorado State University climatology–persistence.

UCLA-TCD: Theoretical Climate Dynamics.

NTU-CODA: Equatorial Guinea Computational Oceanography and Dynamics of Air-sea.

Questions:





Water Retail Rates Update

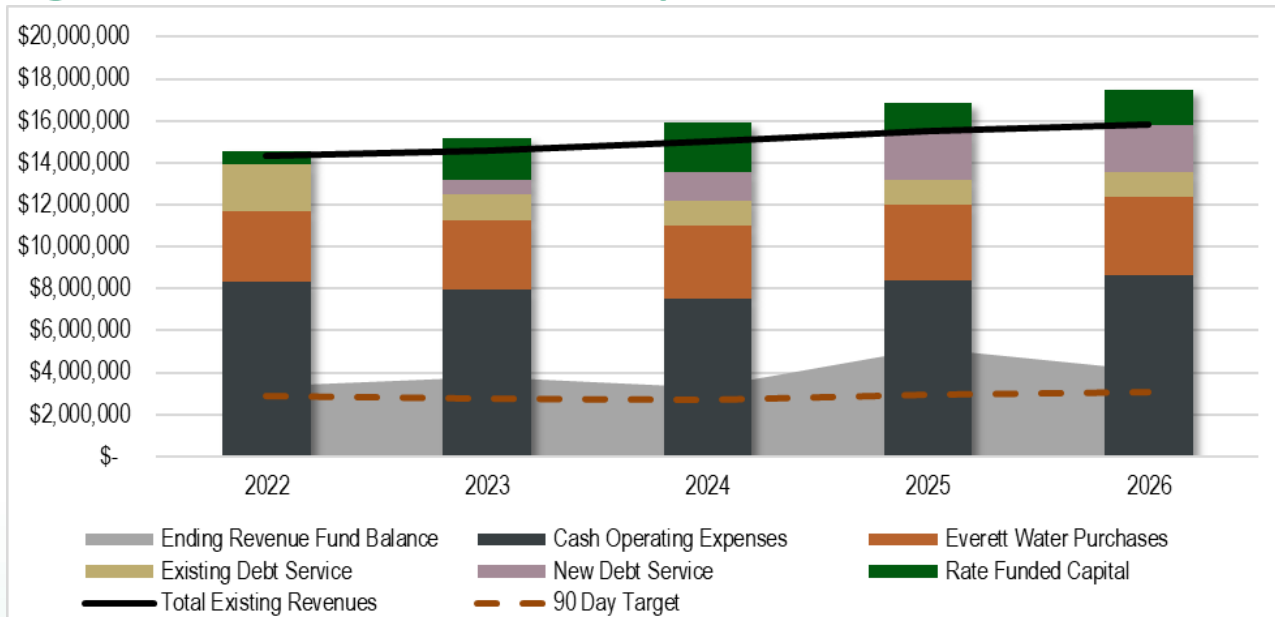
January 18, 2022

Last Discussed:
December 7, 2021

Presented by:
Brant Wood – AGM, Water Utility
Christina Arndt – Manager, Water Utility
Sergey Tarasov – Senior Project Manager, FCS Group
Brooke Tacia – Project Manager, FCS Group

Original Revenue Requirement Summary

2



Sample Bill	Existing	2022	2023	2024	2025	2026
Proposed Increases		2.25%	2.50%	2.50%	2.50%	2.50%
Sample Residential Monthly Bill	\$ 47.62	\$ 48.69	\$ 49.91	\$ 51.16	\$ 52.44	\$ 53.75
\$ Difference		\$ 1.07	\$ 1.22	\$ 1.25	\$ 1.28	\$ 1.31

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



Changes Included in Update

- Updated 2021 forecasted revenues and expenses to year end projections

Description	Change	
Revenues	+\$1.1M	} Positive \$1.3M Impact
O&M Expenses	-\$200k	
DSC Revenues	-\$200k	} Negative \$800k Impact
Capital Expenses	+\$600k	
YE Fund Balance Δ	+\$500	

Note: Revenues up due to summer heat wave
DSC = Distribution System Charge



Rate Strategy Guidelines

4

Description	2022	2023	2024	2025	2026
PUD Rate Component	1.35%	0 to 2%	0 to 2%	0 to 2%	0 to 2%
Everett Pass Through	0.4%	0.5%	0.5%	0.6%	0.6%
Range of Future Rate Increase	1.75%	0.5 – 2.5%	0.5 – 2.5%	0.6 – 2.6%	0.6 – 2.6%
Debt Issuance		\$16.24m		\$10.14m	
Days Cash on Hand Min Target	108	108	108	90	90
Debt Service Coverage Min	1.75	1.75	1.75	1.75	1.75



Recommended Rate Scenario

- Recommended Water Rate Scenario

Recommended Scenario	Existing	Proposed	Forecasted			
		2022	2023	2024	2025	2026
<i>PUD Rate Component</i>		1.35%	1.65%	1.65%	1.55%	1.55%
<i>Everett Pass-Through</i>		0.40%	0.50%	0.50%	0.60%	0.60%
Proposed Increases		1.75%	2.15%	2.15%	2.15%	2.15%
Sample Residential Monthly Bill	\$ 47.62	\$ 48.26	\$ 49.30	\$ 50.36	\$ 51.44	\$ 52.55
\$ Difference		\$ 0.64	\$ 1.04	\$ 1.06	\$ 1.08	\$ 1.11

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

- Level incremental increases
- Accounts for Everett water cost increases
 - Everett's share of increase ranges from 0.4% to 0.6% annually
- Maintains the Water Utility's fiscal targets related to sufficient reserves (min 90 days cash on hand) and debt service coverage



April 2022 Water Retail Rate Proposal

- Recommend an overall rate increase of 1.75% with COSA Phase-in:

Class	2022 Increase
Residential	1.5%
Multi Family	4.0%
Commercial	4.0%

- Re-visit connection charges and wholesale rates in 2022
- Re-visit conservation rates at a future date



Sample Rate Impacts

7

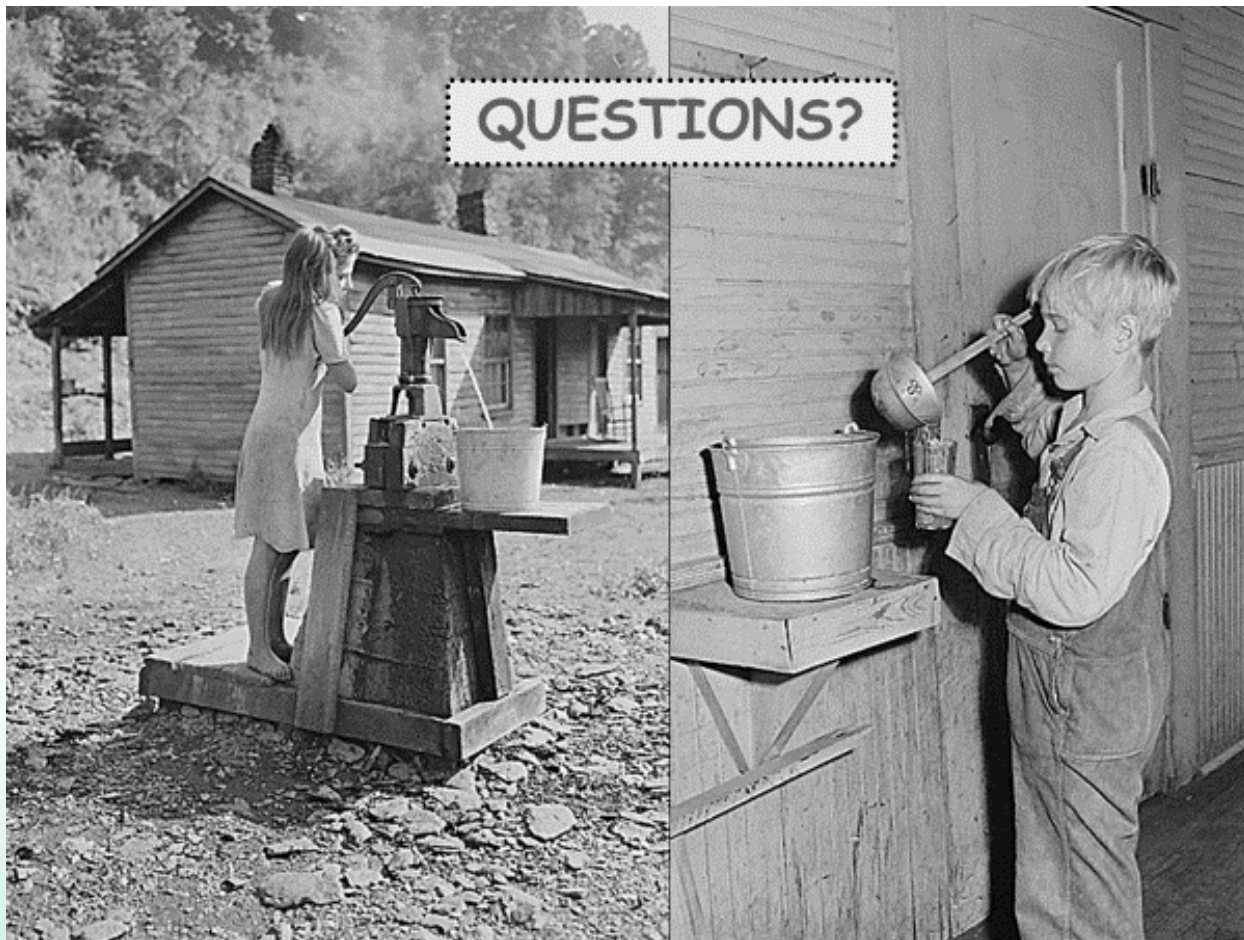
Rate Impacts		Existing Rates	Proposed Rates 2022	Forecasted Rates			
				2023	2024	2025	2026
Single Family							
Average User- 7 ccf	\$	47.62	\$ 48.31	\$ 49.27	\$ 50.24	\$ 51.32	\$ 52.41
Dif			\$ 0.69	\$ 0.96	\$ 0.97	\$ 1.08	\$ 1.09
Multi Family							
Low User - 10 ccf	\$	56.49	\$ 58.71	\$ 61.07	\$ 63.47	\$ 64.83	\$ 66.20
Dif			\$ 2.22	\$ 2.36	\$ 2.40	\$ 1.36	\$ 1.37
Average User - 20 ccf	\$	89.89	\$ 93.41	\$ 97.17	\$ 100.97	\$ 103.13	\$ 105.30
Dif			\$ 3.52	\$ 3.76	\$ 3.80	\$ 2.16	\$ 2.17
High User - 40 ccf	\$	156.69	\$ 162.81	\$ 169.37	\$ 175.97	\$ 179.73	\$ 183.50
Dif			\$ 6.12	\$ 6.56	\$ 6.60	\$ 3.76	\$ 3.77
Commercial							
Low User - 15 ccf	\$	98.77	\$ 102.73	\$ 106.77	\$ 111.04	\$ 113.45	\$ 115.89
Dif			\$ 3.96	\$ 4.04	\$ 4.27	\$ 2.41	\$ 2.44
Average User - 30 ccf	\$	147.37	\$ 153.28	\$ 159.27	\$ 165.64	\$ 169.25	\$ 172.89
Dif			\$ 5.91	\$ 5.99	\$ 6.37	\$ 3.61	\$ 3.64
High User - 60 ccf	\$	244.57	\$ 254.38	\$ 264.27	\$ 274.84	\$ 280.85	\$ 286.89
Dif		Dif	\$ 9.81	\$ 9.89	\$ 10.57	\$ 6.01	\$ 6.04



Next Steps

- February 1, 2022 - Public Hearing on the 2022 Water Utility Retail Rate Proposal
- February 15, 2022 - Commission Resolution Authorizing 2022 Water Utility Retail Rate
- April 1, 2022 – Revised 2022 Water Utility Retail Water Rates take effect





COMMENTS FROM THE PUBLIC



BUSINESS OF THE COMMISSION

Meeting Date: January 18, 2022

Agenda Item: 3A

TITLE

Approval of the Minutes for the Regular Meeting of January 4, 2022

SUBMITTED FOR: Consent Agenda

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

ACTION REQUIRED:

- | | | |
|---|-------------------------------------|--|
| <input type="checkbox"/> Decision Preparation | <input type="checkbox"/> Incidental | <input type="checkbox"/> Monitoring Report |
| <input type="checkbox"/> Policy Discussion | (Information) | |
| <input type="checkbox"/> Policy Decision | | |
| <input checked="" type="checkbox"/> Statutory | | |

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

January 4, 2022

The Regular Meeting, held virtually, was convened by President Tanya Olson at 9:00 a.m. Those attending were Rebecca Wolfe, Vice-President; Sidney Logan, Secretary; CEO/General Manager John Haarlow; Acting General Counsel Jeff Kallstrom; Assistant General Managers Pam Baley, Guy Payne, Brant Wood, and Jason Zyskowski; Chief Financial Officer Scott Jones; other District staff; Commission & Executive Services Director Melissa Collins; Assistant Clerk of the Board Allison Morrison; and Deputy Clerk of the Board Jenny Rich.

*** Items Taken Out of Order**

****Non-Agenda Items**

****Commissioner Olson read the following statement:**

In accordance with the governor's Proclamation 20-28.15, we are holding meetings remotely.

1. CEO/GENERAL MANAGER BRIEFING AND STUDY SESSION

A. Updates

1. Media. Communications, Marketing & Business Readiness Director Julee Cunningham reported on District related news and articles.
2. Legislative. There were no questions about the Legislative report.
3. Other. Senior Manager Power Scheduling Kelly Wallace provided an update on power supply activity during a recent storm.

B. 2022 Washington State Legislative Session

State Government & External Affairs Associate Clark McIsaac provided a review of the 2021 legislative session and the context and preview of the upcoming 2022 session.

C. 2022 Cost of Service Analysis & Rate Adjustment Recommendations

Senior Manager Rates, Economics & Energy Risk Management Brian Booth presented an overview of the 2022 Cost of Service (COSA) and Rate Adjustment. Included were the background, rate pressures and mitigations, changes since last COSA, recommended rate adjustments, bill impacts and future rates outlook.

The next Steps included seeking Board approval at the January 18, 2022, Commission meeting and an April 1, 2022, rate increase.

The meeting recessed at 10:42 a.m. and reconvened at 10:47 a.m.

D. Renewal Rate Pilot

Senior Manager Rates, Economics & Energy Risk Management Brian Booth provided a presentation on the Renewable Rate Pilot that included the background, strategy, pricing and product details, and risks.

The next Step was to return with a resolution for Board approval on January 18, 2022, extending the renewable rate through 2029.

E. District Strategy 2040 Scenario Planning Insights

Strategy & Performance Planning Leader Laura Lemke presented the 2040 Scenario Planning Insights, identifying the strategic needs for the District's long term strategy development.

The next step was a workshop on the District's Long-Term Strategic Priorities on January 10, 2022.

The meeting recessed at 11:40 a.m.

RECONVENE REGULAR MEETING

The Regular Meeting, held virtually, was convened by President Tanya Olson at 1:30 p.m. Those attending were Rebecca Wolfe, Vice-President; Sidney Logan, Secretary; CEO/General Manager John Haarlow; Acting General Counsel Jeff Kallstrom; Assistant General Managers Pam Baley, Guy Payne, Brant Wood, and Jason Zyskowski; Chief Financial Officer Scott Jones; other District staff; members of the public; Commission & Executive Services Director Melissa Collins; Assistant Clerk of the Board Allison Morrison; and Deputy Clerk of the Board Jenny Rich.

*** Items Taken Out of Order******Non-Agenda Items**

**Commissioner Olson read the following statement:

In accordance with the governor's Proclamation 20-28.15, we are holding meetings remotely.

2. RECOGNITION/DECLARATIONS**A. Team of the Month – Custodial Team**

The Custodial Team was recognized as Team of the Month for December.

3. COMMENTS FROM THE PUBLIC

Craig Jones and Chris Howard, with Forever Energy, commented on a bid proposal on recycling batteries.

James Deal, Lynnwood, commented on Smart Meters.

4. CONSENT AGENDA

A. Approval of the Minutes for the Regular Meeting of December 21, 2021

B. Bid Awards, Professional Services Contracts and Amendments

Public Works Contract Award Recommendations Over \$25,000:

Request for Proposal No. 21-1211-SC with Trenchless Construction Services LLC

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:

None

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:

Professional Services Contract No. CW2244785 with Ecodocx, LLC

Contract Acceptance Recommendations:

Public Works Contract No. 20-1100-SC with Osmose Utilities Services, Inc.

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

A motion unanimously passed approving Agenda Items 4A – Approval of the Minutes for the Regular Meeting of December 21, 2021; 4B – Bid Awards, Professional Services Contracts and Amendments; and 4C – Certification/Ratification and Approval of District Checks and Vouchers.

5. CEO/GENERAL MANAGER REPORT

CEO/General Manager John Haarlow reported on District related topics and accomplishments.

6. COMMISSION BUSINESS**A. Commission Reports**

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

B. Commissioner Event Calendar

Commissioner Olson noted that she would be attending the January Public Power Council (PPC) and Pacific Northwest Utilities Conference Committee (PNUCC) virtual meeting.

C. Discussion of Representatives to Organizations and Committees for 2022

Representatives for 2022 were to remain as adopted for 2021, as follows:

American Public Power Association (APPA) & Legislative Relations Committee	Delegate: Sidney (Sid) Logan Alternate No. 1: Tanya (Toni) Olson
--	---

Energy Northwest (ENW)	Delegate: Sidney (Sid) Logan Alternate No. 1: Rebecca Wolfe
------------------------	--

Northwest Public Power Association (NWPPA)	Delegate: Rebecca Wolfe Alternate No. 1: Tanya (Toni) Olson
--	--

APPA Policy Makers Council	Delegate: Sidney (Sid) Logan
----------------------------	------------------------------

7. GOVERNANCE PLANNING**A. Governance Planning Calendar**

There were no changes to the Governance Calendar.

EXECUTIVE SESSION

The Regular Meeting recessed at 2:15 p.m. and reconvened in Executive Session at 2:18 p.m. to review the performance of a public employee, under the terms set forth in the Open Public Meetings Act. It was anticipated the Executive Session would last approximately 60 minutes, with no public announcements. Those in attendance were Commissioners Sidney Logan, Rebecca Wolfe, and Tanya Olson; General Counsel Anne Spangler; Commission & Executive Services Director Melissa Collins; and other district staff. The Commission immediately adjourned the Regular Meeting upon conclusion of the Executive Session.

ADJOURNMENT

There being no further business or discussion to come before the Board, the Regular Meeting of January 4, 2022, adjourned at 3:13 p.m. An audio file of the meeting is on file in the Commission Office and available for review.

Approved this 18th day of January 2022.

Secretary

President

Vice President



BUSINESS OF THE COMMISSION

Meeting Date: January 18, 2022

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:

- | | | |
|---|-------------------------------------|--|
| <input type="checkbox"/> Decision Preparation | <input type="checkbox"/> Incidental | <input type="checkbox"/> Monitoring Report |
| <input type="checkbox"/> Policy Discussion | (Information) | |
| <input type="checkbox"/> Policy Decision | | |
| <input checked="" type="checkbox"/> Statutory | | |

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 Over \$25,000; 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 Over \$25,000;
None

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 1);
Miscellaneous Purchase Order Number 4500074445 with Intergraph Corporation

Interlocal Agreements and Cooperative Purchase Recommendations;
Contracts:
None
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 (Page 2);
Request for Proposal No. 10280 with Tyndale

Contract Acceptance Recommendations (Page 3);
Public Works Contract No. CW2243954 with Trimaxx Construction, Inc.

List Attachments:
January 18, 2022 Report

**Miscellaneous Contract Award Recommendation(s) \$200,000 And Over
January 18, 2022**

MISC. PO 4500074445

Intergraph/Hexagon Annual
Software Support Renewal

Project Leader & Phone No.:	Kevin Luong	Ext. 8289
Estimate:	\$206,279.04	

Purchase of Intergraph/Hexagon software maintenance for Information Technologies Services.

<u>Vendor</u>	<u>Subtotal (w/o tax)</u>
Award To Intergraph Corporation	\$206,279.04

Summary Statement: Staff recommends approval to renew the annual software maintenance contract with Intergraph/Hexagon Corporation supporting the District's enterprise-wide Geographical Information System (GIS). This maintenance contract provides technical support, security updates, software fixes and ongoing product releases.

The GIS applications supports the District's critical operations by providing information concerning location of assets and asset attributes. The District tracks and maintains locations of thousands of assets across the 2200 square miles of the service territory. All assets are geographically placed and accurately positioned using the GIS system. The GIS data and applications are utilized throughout the District by multiple departments, supporting the complete asset life cycle from planning and construction, through maintenance, and decommissioning. The GIS data and applications are mission critical, and renewal is required to provide support and security to manage assets across the enterprise and in the field operations.

Formal Bid and Contract Amendment(s)
January 18, 2022

RFP No. 10280

Vendor Managed Flame Resistant
Clothing Program

Contractor/Consultant/Supplier	Tyndale
Project Leader & Phone Number:	Jana Easterling, Ext. 4410
Amendment No:	3

Awarded Amount: \$202,550.00
Approximate Present Amount: \$677,562.00
Amendment Amount: \$367,200.00
Approximate New Amount: \$1,044,762.00

Original Start/End: 1/6/ 2020 - 1/7/2021
Present Start/End: 1/7/2022 - 1/6/2023

Summary Statement:

The flame resistant (FR) clothing program provides protective apparel for District employees who work in the arc zone or other areas with electrical hazard. This contract was originally awarded on January 7, 2020 following an RFP where Tyndale was selected from among four proposers. Consistent with the original award staff have amended the contract administratively to extend it for a third annual term. After reevaluating usage by District employees and to accommodate pricing escalations staff is seeking approval to increase the estimated annual amount from \$202,550.00 to \$367,200.00 beginning with this term.

Amendment Summary:

Amendment 1 dated December 28, 2020, to extend validity date to January 7, 2022, and add \$202,550.00.

Amendment 2 dated August 17, 2021 added \$272,462.00 to overall contract value.

Contract Acceptance Recommendations(s)
January 18, 2022

**Accept Contract(s) as complete and grant approval to release
Retained fund after full compliance with Departments of Labor
and Industries, Revenue and Employment Security.**

PWC No. CW2243954

North County Community Office
Early Site Development

Contractor:	Trimaxx Construction, Inc.		
Start/End:	5/6/21 - 11/10/21		
Evaluator & Phone No.:	Ben Davis	Ext.	8465
No. of Amendments:	2		
Retained Fund:	(Retainage Bond on File)		

Original Contract Amount:	\$2,589,190.00	Contingency Allowance:	\$340,000.00
Total Amendment Amount:	\$203,898.52	Contingency Allowance Used:	\$221,172.74
Final Contract Amount:	\$2,793,088.52	Contingency Allowance Savings:	\$118,827.26

Summary Statement: None



BUSINESS OF THE COMMISSION

Meeting Date: January 18, 2022

Agenda Item: 3C

TITLE:

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

SUBMITTED FOR: Consent Agenda

General Accounting & Financial Systems
Department

Julia Anderson
Contact

8027
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)(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 18th day of January 2022.

CERTIFICATION:

Certified as correct:

CEO/General Manager

Julia A Anderson

Auditor

Jean /ma

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	1115283 - 1115482	\$43,004.80	2 - 8
Electronic Customer Refunds		\$4,944.99	9 - 10
WARRANT SUMMARY			
Warrants	8066614 - 8066825	\$3,083,472.39	11 - 17
ACH	6027671 - 6027946	\$7,197,701.48	18 - 26
Wires	7002417 - 7002426	\$2,061,122.34	27
Payroll - Direct Deposit	5300000563 - 5300000563	\$4,209,445.17	28
Payroll - Warrants	844524 - 844535	\$33,814.49	28
Automatic Debit Payments	5300000560 - 5300000563	\$2,384,514.71	29
	GRAND TOTAL	\$19,018,020.37	

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/27/21	1115283	JOSH SVOBODA	\$21.31
12/27/21	1115284	ERP OPERATING LP	\$18.38
12/27/21	1115285	ADAM SMITH	\$246.56
12/27/21	1115286	WEIPING CHEN	\$1,425.17
12/27/21	1115287	PHILLIP RIGELMAN	\$17.73
12/27/21	1115288	MICHAEL RISOLI	\$22.49
12/27/21	1115289	TAJINDERPAL SINGH	\$120.30
12/27/21	1115290	KOHLES PROFESSIONAL CENTER LLC	\$75.75
12/27/21	1115291	BEX PORTFOLIO LLC	\$15.77
12/27/21	1115292	JOYCE JERNIGAN	\$524.63
12/27/21	1115293	ALBERT NAU	\$66.73
12/27/21	1115294	FADY RIAD	\$9.05
12/27/21	1115295	JADA TRAFTON	\$284.38
12/27/21	1115296	MARK KRELL	\$96.58
12/27/21	1115297	SHANGE PURNELL	\$65.72
12/27/21	1115298	TAMARA TULLER	\$2,660.85
12/27/21	1115299	JOY WHITTLE	\$175.94
12/27/21	1115300	MORNING STAR NW INVESTMENTS INC	\$12.39
12/27/21	1115301	SLDA GROUP LLC	\$539.61
12/27/21	1115302	DONALD KIM	\$152.78
12/27/21	1115303	WOLFGANG KLEIN	\$13.49
12/27/21	1115304	RACHEL ANDERSON	\$44.43
12/27/21	1115305	MICHAELE THOMPSON	\$71.38
12/27/21	1115306	STAN BETTS	\$148.43
12/27/21	1115307	KRISTINE HALE	\$112.13
12/27/21	1115308	RACHEL ZILINEK	\$140.35
12/27/21	1115309	ACME HOMES LLC	\$161.16
12/28/21	1115310	AMWA CEDAR POINTE FUND LP	\$37.19
12/28/21	1115311	NICK ANDOLINA	\$7.75
12/28/21	1115312	HOUSING AUTHORITY SNO CO	\$6.08
12/28/21	1115313	LUCY SENGER	\$86.51
12/28/21	1115314	KARLA CARARAS	\$92.30

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/28/21	1115315	CHRIS MCCALL	\$21.89
12/28/21	1115316	ROBERT CARTER	\$6.72
12/28/21	1115317	MIKE SMITH	\$686.99
12/28/21	1115318	NOVENTIS	\$40.00
12/28/21	1115319	RM HOMES	\$33.65
12/28/21	1115320	SEAN WHITE	\$164.18
12/28/21	1115321	OLA DADA	\$56.45
12/28/21	1115322	COAST DEVELOPMENT CO LLC	\$16.29
12/28/21	1115323	ACME HOMES LLC	\$587.13
12/28/21	1115324	SHAWN FAIN	\$128.28
12/28/21	1115325	WINDERMERE RELOCATION	\$25.22
12/28/21	1115326	BACK OFFICE WALK IN PAYMENTS	\$100.00
12/28/21	1115327	CHRISTINE ADAMS	\$30.87
12/28/21	1115328	INNOVATIVE ELECTRIC INC	\$87.55
12/28/21	1115329	JUAN RAZ	\$72.15
12/28/21	1115330	THUY NGUYEN	\$283.78
12/28/21	1115331	DANIELLE HAYWARD	\$124.58
12/28/21	1115332	BMCH WASHINGTON LLC	\$5.11
12/28/21	1115333	GABRIEL BRIONEZ	\$77.37
12/28/21	1115334	NITA GAGNON	\$35.97
12/28/21	1115335	JON LAWRENCE	\$23.90
12/28/21	1115336	KEVIN DEGRAVE	\$9.18
12/28/21	1115337	SPENCER WALIOR	\$132.13
12/28/21	1115338	ERIC MACARTHUR	\$45.36
12/28/21	1115339	GAAS LLC	\$139.99
12/28/21	1115340	CHARLES ATILANO	\$202.72
12/28/21	1115341	JESSE MILLER	\$156.71
12/28/21	1115342	FRANK KNIGHT	\$242.34
12/29/21	1115343	MANOR BELL ENTERPRISES LLC	\$43.78
12/29/21	1115344	ANTHONY GARCIA	\$124.21
12/29/21	1115345	CARY SHOLER	\$73.45
12/29/21	1115346	ZHONG LIU	\$39.70

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
12/29/21	1115347	C SCHWARTZ	\$200.00
12/29/21	1115348	KIRK WENZEL	\$182.17
12/29/21	1115349	FIRE HOOD AND SAFETY LLC	\$96.41
12/29/21	1115350	BRADLEY JOHNSON	\$183.00
12/29/21	1115351	RM HOMES	\$10.52
12/29/21	1115352	DAVID THOMAS	\$65.30
12/29/21	1115353	CHASSIDY VICKERS	\$104.10
12/29/21	1115354	NGOC PHAN	\$70.49
12/29/21	1115355	ALLEGRO AT ASH CREEK LLC	\$645.43
12/29/21	1115356	ALLEGRO AT ASH CREEK LLC	\$759.47
12/29/21	1115357	WEST COAST BUILDING INC	\$16.47
12/29/21	1115358	SHADOW CREEK ESTATES LLC	\$21.41
12/29/21	1115359	RM HOMES	\$18.42
12/29/21	1115360	LADONNA WHALEN	\$48.69
12/29/21	1115361	DAVID BECKER	\$545.04
12/29/21	1115362	MARJORIE STOCKHAM	\$186.00
12/29/21	1115363	TONY KNORR	\$240.16
12/29/21	1115364	RM HOMES	\$15.66
1/3/22	1115365	METER AT 4632 FOWLER, LLC	\$32.93
1/3/22	1115366	DANIEL CORNING	\$20.90
1/3/22	1115367	LYNNWOOD OWNER LLC	\$71.80
1/3/22	1115368	PARKER MACE	\$29.72
1/3/22	1115369	SR PRO HOLDINGS LLC	\$10.07
1/3/22	1115370	LAURA SOLVANG	\$1,899.95
1/3/22	1115371	THAYER CUETER	\$608.76
1/3/22	1115372	ROBERT BOUVART	\$25.08
1/3/22	1115373	ERP OPERATING LP	\$10.07
1/3/22	1115374	MENSON EMIL	\$9.99
1/3/22	1115375	DAGMAWI ABERRA	\$301.22
1/3/22	1115376	VOID	\$0.00
1/3/22	1115377	MICHAEL HOWELL	\$94.10
1/3/22	1115378	MICHELLE MYERS	\$535.60

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
1/3/22	1115379	SSHI LLC	\$10.21
1/3/22	1115380	ERIK DUDGEON	\$155.57
1/3/22	1115381	MARLIN EHRHART	\$301.90
1/3/22	1115382	OAKWOOD COURT LLC	\$31.41
1/3/22	1115383	CORNERSTONE HOMES	\$41.98
1/3/22	1115384	CORNERSTONE HOMES	\$25.02
1/4/22	1115385	MELISSA PARKER	\$998.16
1/4/22	1115386	ANGUS WALKER	\$47.73
1/4/22	1115387	LINDA WILSON	\$506.76
1/4/22	1115388	ALEX BLACK	\$141.07
1/4/22	1115389	BOBBY CAST	\$142.61
1/4/22	1115390	BASIL BADLEY	\$174.41
1/4/22	1115391	SOUTH EVERETT GARDEN DEVELOPMENT COMPANY	\$225.10
1/4/22	1115392	TRI POINTE HOMES WASHINGTON INC	\$36.49
1/4/22	1115393	DANA MCARTHUR	\$19.10
1/4/22	1115394	SEHYI YIN	\$51.29
1/4/22	1115395	NICOLAS VALLES	\$28.54
1/4/22	1115396	DARREN SELLERS	\$143.49
1/4/22	1115397	WATERFRONT PLACE LP	\$23.99
1/4/22	1115398	GAYLE GITHENS	\$68.24
1/4/22	1115399	FERN CAREY	\$933.67
1/4/22	1115400	JR ROBERT IRWIN	\$1,000.00
1/4/22	1115401	CALLIE RIOS	\$109.56
1/4/22	1115402	FSC RIVERSTONE/ALTIA APARTMENTS, LLC	\$133.58
1/4/22	1115403	SOUTH EVERETT GARDEN DEVELOPMENT COMPANY	\$131.99
1/4/22	1115404	SOUTH EVERETT GARDEN DEVELOPMENT COMPANY	\$150.16
1/4/22	1115405	MARK CRAIG	\$758.62
1/4/22	1115406	VOID	\$0.00
1/4/22	1115407	BLAIRE TOKOMAATA	\$19.57
1/4/22	1115408	DANIEL LAROCHE	\$20.95
1/4/22	1115409	LINDA CAMREN	\$1,451.49
1/4/22	1115410	SUSAN CROCKETT	\$33.38

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
1/4/22	1115411	NORTH SOUND PROPERTIES LLC	\$164.75
1/4/22	1115412	ISABELLE DIAZ	\$72.00
1/4/22	1115413	ROBERTA GROSSMAN	\$227.01
1/4/22	1115414	AMANDA GOSS	\$6.14
1/4/22	1115415	JAMES UPTAIN	\$16.29
1/4/22	1115416	CHANDANPREET SINGH	\$98.43
1/4/22	1115417	KLP INC	\$16.74
1/4/22	1115418	REBECCA KISHLINE	\$13.47
1/4/22	1115419	LISA VANHOOSE	\$528.47
1/4/22	1115420	ESSEX PORTFOLIO, L.P.	\$6.79
1/4/22	1115421	STRATA FULTON LLC	\$15.73
1/4/22	1115422	TANYA CAMPBELL	\$10.00
1/4/22	1115423	JEANETTE NELSON	\$7.00
1/4/22	1115424	CAROLYN SMART	\$10.00
1/4/22	1115425	PHUONG VO	\$7.49
1/4/22	1115426	SOUTH EVERETT GARDEN DEVELOPMENT COMPANY	\$349.75
1/5/22	1115427	HELEN KOVACH	\$220.98
1/5/22	1115428	EDDIE SMITH	\$134.92
1/5/22	1115429	VOID	\$0.00
1/5/22	1115430	BOYDEN INVESTMENT CO LLC	\$21.42
1/5/22	1115431	KATHOL KATHOL 121ST	\$32.40
1/5/22	1115432	GENTREE MERGENS	\$209.86
1/5/22	1115433	ELAINE CRANE	\$171.04
1/5/22	1115434	PROJECT PRIDE	\$4,682.62
1/5/22	1115435	GEORGE BURT	\$69.20
1/5/22	1115436	CYNTHIA ABELAR	\$915.97
1/5/22	1115437	DWAYNE WILLS	\$86.51
1/5/22	1115438	LGI HOMES - WASHINGTON, LLC	\$70.74
1/5/22	1115439	MARY WAKEM	\$45.00
1/5/22	1115440	JAIMIE COOPER	\$342.71
1/5/22	1115441	VOID	\$0.00
1/5/22	1115442	TIMOTHY WHITEMAN	\$20.66

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
1/5/22	1115443	KOHLES PROFESSIONAL CENTER LLC	\$147.99
1/5/22	1115444	DOROTHY DAVIS	\$34.54
1/5/22	1115445	WARM BEACH CAMP	\$8.30
1/5/22	1115446	CASEY MELNRICK	\$28.30
1/5/22	1115447	ILECEU IBARRA ENCARNACION	\$79.50
1/5/22	1115448	KANISHKA MEHTA	\$115.27
1/5/22	1115449	BETTY MCLAREN	\$53.14
1/5/22	1115450	MAINVUE WA LLC	\$5.99
1/6/22	1115451	PAMELA TOLLEFSON	\$227.36
1/6/22	1115452	DARCEE CARACO	\$82.95
1/6/22	1115453	CAPITAL EQUITY FUND III, LLC	\$10.39
1/6/22	1115454	HARMONY HOUSE EAST	\$13.68
1/6/22	1115455	ANASTASIA TERTYCHNA	\$86.44
1/6/22	1115456	JUNWEN ZHENG	\$40.82
1/6/22	1115457	REDFINNOW BORROWER LLC	\$20.07
1/6/22	1115458	SHAWN FAIN	\$62.00
1/6/22	1115459	SHARON LAWRENCE-CARTER	\$335.75
1/6/22	1115460	ERICA ROSSANO	\$40.37
1/6/22	1115461	STRATA CASCADIA LLC	\$74.22
1/6/22	1115462	ALLEGRO AT ASH CREEK LLC	\$64.93
1/6/22	1115463	RENATO FREITAS	\$65.00
1/6/22	1115464	CHRISTINA STOLLWERCK	\$73.30
1/6/22	1115465	LYNN LOVE	\$966.45
1/6/22	1115466	CWBP LLC	\$33.32
1/6/22	1115467	LANE WOOD	\$82.93
1/6/22	1115468	STEPHEN GRIGG	\$58.68
1/6/22	1115469	VOID	\$0.00
1/6/22	1115470	FAIRFIELD ALDERWOOD COURT LP	\$15.73
1/6/22	1115471	LABONNE MAISON APTS	\$16.63
1/7/22	1115472	TWILA HANSON	\$120.58
1/7/22	1115473	YUXI JIAO	\$148.67
1/7/22	1115474	ESSEX PORTFOLIO, L.P.	\$90.52

Detailed Disbursement Report

Revolving Fund - Customer Refunds, Incentives and Other			
Payment Date	Payment Ref Nbr	Payee	Amount
1/7/22	1115475	FREWEINI GHEBREGHIORGHI	\$172.68
1/7/22	1115476	REYNA PADILLA	\$128.11
1/7/22	1115477	JENNIE KELLY	\$2,873.70
1/7/22	1115478	JEAN WORLEIN	\$66.54
1/7/22	1115479	LEAH TORGESEN	\$97.31
1/7/22	1115480	TANYA MARKHAM	\$1,550.43
1/7/22	1115481	ABDOUL KABORE	\$63.73
1/7/22	1115482	SHADOW CREEK ESTATES LLC	\$8.45
Total:			\$43,004.80

Detailed Disbursement Report

Revolving Fund - Electronic Customer Refunds			
Payment Date	Payment Ref Nbr	Payee	Amount
12/27/21	000203432743	PHYLLIS YOUNG	\$59.33
12/27/21	000203432744	JESSE EMSER	\$59.65
12/27/21	000203432745	JESSE EMSER	\$110.22
12/27/21	000203432746	RONALD RONE	\$37.42
12/27/21	000203432747	EMMA M OCHS	\$85.35
12/27/21	000203432748	SAGE SOUZA-MONTOYA	\$20.86
12/27/21	000203432749	AMORLINA CERBAS	\$38.36
12/27/21	000203432750	WILLIAM DOTSON	\$8.62
12/27/21	000203432758	KARENA TRAN	\$83.65
12/27/21	000203432759	SOPHIA GAMMONS-REESE	\$121.58
12/27/21	000203432760	NGHIA TO	\$37.34
12/27/21	000203432761	SAMON KEO	\$36.00
12/27/21	000203432762	ALICIA PINORINI	\$86.23
12/27/21	000203432763	HYE YOO	\$101.80
12/27/21	000203432764	AHMED SMAHI	\$36.59
12/29/21	000203451108	CHEYENNE HAZARD	\$83.56
12/30/21	000203459956	TAN GYN	\$19.35
12/30/21	000203459957	RIANNA CLANCY	\$120.17
12/30/21	000203459958	LANCE CHANDLER	\$146.24
12/30/21	000203459959	MELISSA RYAN	\$67.08
12/30/21	000203459960	TRAVIS HANSON	\$69.27
12/30/21	000203459961	STEVEN LOTHCHOMPHOU	\$37.69
12/30/21	000203459962	JONATHAN EVANS	\$11.66
12/30/21	000203459963	JULENE SCHMALZ	\$18.25
12/30/21	000203459964	MARTIN VILLASMIL SR	\$91.06
12/30/21	000203459965	LEO SPEAKS	\$333.84
12/30/21	000203459966	KIMBERLY ARNOLD	\$35.68
1/3/22	000203477836	ALYSSA GLEN STROBEL	\$152.32
1/3/22	000203477837	SUREM ABDALAH	\$35.30
1/3/22	000203477838	ALVARO GODINEZ	\$80.24
1/3/22	000203477839	TREYCE SIMMONS	\$134.60
1/3/22	000203477840	STEPPAN MENDRIN	\$59.16

Detailed Disbursement Report

Revolving Fund - Electronic Customer Refunds			
Payment Date	Payment Ref Nbr	Payee	Amount
1/3/22	000203477841	SOPHIE BOWLES	\$26.76
1/3/22	000203477842	MICHAEL PETERSON	\$23.77
1/3/22	000203477843	DAVID CHINYAMA	\$14.66
1/3/22	000203477844	MICHAEL LEMMON	\$108.89
1/3/22	000203477845	STEPPAN MENDRIN	\$114.10
1/3/22	000203477846	HEE LANG PARK	\$58.20
1/3/22	000203477847	NINA WEINSTEIN	\$24.23
1/3/22	000203477848	JOHN WILLIAMS JR	\$128.25
1/3/22	000203477856	SAMANTHA BROWN	\$126.19
1/3/22	000203477857	HECTOR AGURTO	\$76.23
1/3/22	000203477858	FRANCISCA GONZALEZ GUZMAN	\$8.00
1/3/22	000203477859	EGNA HERNANDEZ	\$29.80
1/3/22	000203477860	HUI-CHU CHIU	\$154.82
1/3/22	000203477861	MELONEY DODGE	\$29.22
1/3/22	000203477862	DANA MOORE	\$177.56
1/3/22	000203477863	MARIA HAHN	\$126.41
1/3/22	000203477864	KYLE DOANE	\$133.77
1/3/22	000203477865	CRISTINA WENZL	\$102.43
1/5/22	000203499862	MAYA BUCHANAN SMITH	\$30.93
1/5/22	000203499863	NECO SETTIMO	\$31.74
1/5/22	000203499864	KAREN STACEY	\$34.90
1/5/22	000203499865	ALEX KIMMELL	\$93.94
1/5/22	000203499866	MAYA BUCHANAN SMITH	\$78.05
1/5/22	000203499867	MARK PATTERSON II	\$71.06
1/5/22	000203499868	JOHN MOLER	\$63.36
1/5/22	000203499869	LON LEVALLEY	\$271.02
1/5/22	000203499870	RONALD BERGER	\$166.42
1/5/22	000203499871	ROBERT AULD	\$24.56
1/5/22	000203499872	JOCELINE RAMIREZ	\$103.24
1/5/22	000203499873	SUBHABRATA MONDAL	\$94.01

Total: \$4,944.99

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
12/28/21	8066614	KEYSTONE LAND LLC	\$4,890.18
12/28/21	8066615	EDF TRADING NORTH AMERICA LLC	\$545.00
12/28/21	8066616	LGI HOMES-WASHINGTON LLC	\$9,987.34
12/28/21	8066617	MICHAEL WARD	\$796.00
12/28/21	8066618	GS PORTFOLIO HOLDINGS II LLC	\$108,660.63
12/28/21	8066619	CKB, INC.	\$12,494.09
12/28/21	8066620	JENNY ZIMMERMAN/ OR WENDY VLAHOVICH	\$16.23
12/28/21	8066621	AIRGAS INC	\$407.18
12/28/21	8066622	CITY OF ARLINGTON	\$36,093.00
12/28/21	8066623	CCH INCORPORATED	\$1,628.72
12/28/21	8066624	CITY OF SULTAN	\$3,261.93
12/28/21	8066625	COMCAST HOLDING CORPORATION	\$691.33
12/28/21	8066626	CO-OP SUPPLY INC	\$1,006.21
12/28/21	8066627	DISH NETWORK	\$97.77
12/28/21	8066628	DUNN LUMBER CO INC	\$36.63
12/28/21	8066629	CITY OF EDMONDS	\$456.29
12/28/21	8066630	CITY OF EVERETT	\$153,202.49
12/28/21	8066631	GLOBAL RENTAL COMPANY INC	\$21,520.80
12/28/21	8066632	ITRON INC	\$65,266.95
12/28/21	8066633	KAMAN FLUID POWER LLC	\$722.65
12/28/21	8066634	KENT D BRUCE	\$8,572.31
12/28/21	8066635	LOWES COMPANIES INC	\$604.34
12/28/21	8066636	CITY OF LYNNWOOD	\$391.50
12/28/21	8066637	MYCOFF FRY PARTNERS LLC	\$25,000.00
12/28/21	8066638	GENUINE PARTS COMPANY	\$2,175.29
12/28/21	8066639	NORTHWEST ENERGY EFFICIENCY COUNCIL	\$4,600.00
12/28/21	8066640	PREMERA BLUE CROSS	\$28,648.00
12/28/21	8066641	PUBLIC POWER COUNCIL	\$174,313.00
12/28/21	8066642	PUGET SOUND CLEAN AIR AGENCY	\$1,290.00
12/28/21	8066643	ROBERT HALF INTERNATIONAL INC	\$4,974.40
12/28/21	8066644	SCADA AND CONTROLS ENGINEERING INC	\$11,200.00
12/28/21	8066645	SOUND PUBLISHING INC	\$67.20

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
12/28/21	8066646	UNITED SITE SERVICES OF NEVADA INC	\$2,200.00
12/28/21	8066647	STATE OF WASHINGTON	\$26,043.32
12/28/21	8066648	AABCO BARRICADE CO INC	\$2,022.15
12/28/21	8066649	ATHANASE P MELIOPOULOS	\$5,700.00
12/28/21	8066650	ALDERWOOD WATER & WASTEWATER DISTRI	\$295.63
12/28/21	8066651	BICKFORD MOTORS INC	\$3,579.65
12/28/21	8066652	CONSORTIUM FOR ENERGY	\$4,349.00
12/28/21	8066653	EDS MCDUGALL LLC	\$360.00
12/28/21	8066654	HARBOR MARINE MAINTENANCE & SUPPLY	\$517.72
12/28/21	8066655	GARY D KREIN	\$658.80
12/28/21	8066656	NATIONAL BARRICADE CO LLC	\$2,452.50
12/28/21	8066657	NATIONAL EMPLOYMENT LAW INSTITUTE	\$192.00
12/28/21	8066658	N SOFTWARE INC	\$2,104.00
12/28/21	8066659	NORTHWEST TOWER ENGINEERING PLLC	\$21,700.00
12/28/21	8066660	PACO VENTURES LLC	\$12,627.00
12/28/21	8066661	PMI TRUCK BODIES INC	\$3,128.58
12/28/21	8066662	PROVEN COMPLIANCE SOLUTIONS INC	\$750.00
12/28/21	8066663	RIDGE TRUCKING INC	\$991.90
12/28/21	8066664	URBAN ENERGY GROUP LLC	\$17,121.44
12/28/21	8066665	GRAY & OSBORNE INC	\$10,325.86
12/28/21	8066666	AT&T CORP	\$1.32
12/28/21	8066667	SMART GRID NORTHWEST	\$7,500.00
12/28/21	8066668	LAMAR TEXAS LTD PARTNERSHIP	\$6,165.00
12/28/21	8066669	THE BANK OF NEW YORK MELLON TRUST	\$326.00
12/28/21	8066670	RAMON DIAZ PACHECO	\$430.56
12/28/21	8066671	THE PAPE GROUP INC	\$1,355.67
12/28/21	8066672	HARNISH GROUP INC	\$1,756.80
12/28/21	8066673	MAINLINE INFORMATION SYSTEMS INC	\$3,600.00
12/28/21	8066674	AVO MULTI-AMP CORP DBA MEGGER	\$449.65
12/28/21	8066675	OCCUPATIONAL HEALTH CENTERS OF WA P	\$53.50
12/28/21	8066676	ACCESS INFORMATION HOLDINGS LLC	\$252.62
12/28/21	8066677	BCC SOFTWARE LLC	\$3,510.60

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
12/28/21	8066678	TARREN MICHAEL ACKERMANN	\$2,227.42
12/28/21	8066679	NORTHWEST FIBER LLC	\$17,538.52
12/28/21	8066680	SUPERIOR SEPTIC SERVICE LLC	\$468.93
12/28/21	8066681	REACH SPORTS MARKETING GROUP INC	\$864.68
12/28/21	8066682	KENDALL DEALERSHIP HOLDINGS LLC	\$1,114.10
12/28/21	8066683	UNIVERSAL PROTECTION SERVICE LP	\$123,017.96
12/28/21	8066684	BAXTER AUTO PARTS INC	\$804.70
12/28/21	8066685	HEARTRAK LLC	\$1,310.00
12/28/21	8066686	ARROW INSULATION INC	\$735.00
12/28/21	8066687	GRANITE CONSTRUCTION COMPANY	\$259,803.41
1/4/22	8066688	COMCAST	\$273,383.29
1/4/22	8066689	STEPHEN R LOVE	\$700.00
1/4/22	8066690	CITY OF LAKE STEVENS	\$275.00
1/4/22	8066691	LAND PRO GROUP, INC	\$5,167.49
1/4/22	8066692	MICHAEL CLOTHIER	\$13,702.29
1/4/22	8066693	KING HYDROSEEDING INC	\$275.00
1/4/22	8066694	BACK FORTY CONSTRUCTION LLC	\$10,475.23
1/4/22	8066695	THOMAS WERLE	\$275.00
1/4/22	8066696	AT&T CORP	\$12,551.31
1/4/22	8066697	CCH INCORPORATED	\$843.26
1/4/22	8066698	EVERETT ENGINEERING INC	\$31,293.00
1/4/22	8066699	CITY OF EVERETT	\$2,890.36
1/4/22	8066700	GLOBAL RENTAL COMPANY INC	\$2,964.60
1/4/22	8066701	ITRON INC	\$9,392.43
1/4/22	8066702	KAMAN FLUID POWER LLC	\$548.27
1/4/22	8066703	LANGUAGE LINE SERVICES INC	\$2,683.78
1/4/22	8066704	CITY OF LYNNWOOD	\$696.34
1/4/22	8066705	MICROSEMI FREQUENCY & TIME CORP	\$3,420.00
1/4/22	8066706	GENUINE PARTS COMPANY	\$182.73
1/4/22	8066707	PACIFIC TOPSOILS INC	\$33.07
1/4/22	8066708	PROVIDENCE MEDICAL CENTER	\$27,950.00
1/4/22	8066709	RIVERSIDE TOPSOIL INC	\$250.00

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
1/4/22	8066710	ROBERT HALF INTERNATIONAL INC	\$7,836.68
1/4/22	8066711	SIX ROBBLEES INC	\$201.25
1/4/22	8066712	SKILLSOFT CORPORATION	\$13,566.92
1/4/22	8066713	SNOHOMISH COUNTY	\$206.50
1/4/22	8066714	SHI INTERNATIONAL CORP	\$39.33
1/4/22	8066715	SOUND PUBLISHING INC	\$515.20
1/4/22	8066716	SEPTIC SERVICES INC	\$646.80
1/4/22	8066717	TRIMAXX CONSTRUCTION INC	\$195,666.14
1/4/22	8066718	UNITED SITE SERVICES OF NEVADA INC	\$655.00
1/4/22	8066719	VALMONT INDUSTRIES INC	\$10,172.97
1/4/22	8066720	STATE OF WASHINGTON	\$56.80
1/4/22	8066721	WESTERN ENERGY INSTITUTE	\$4,699.00
1/4/22	8066722	AAA OF EVERETT FIRE	\$228.88
1/4/22	8066723	ASTROF CONCRETE HARDWARE & RENTAL	\$28.55
1/4/22	8066724	BICKFORD MOTORS INC	\$1,478.19
1/4/22	8066725	BILLS BLUEPRINT INC	\$633.11
1/4/22	8066726	CITY OF BRIER	\$200.00
1/4/22	8066727	COMCAST HOLDINGS CORPORATION	\$14,757.00
1/4/22	8066728	DISTRIBUTED ENERGY FINANCIAL GROUP	\$7,500.00
1/4/22	8066729	ECOLIGHTS NORTHWEST LLC	\$234.10
1/4/22	8066730	ENGINUIITY ADVANTAGE LLC	\$746.80
1/4/22	8066731	EVERGREEN ID SYSTEMS LLC	\$1,855.62
1/4/22	8066732	RYAN SCOTT FELTON	\$521.77
1/4/22	8066733	NW PUBLIC POWER ASSOC	\$290.00
1/4/22	8066734	RETAIL POINT OF SALE SYSTEMS INC	\$916.83
1/4/22	8066735	RUBATINO REFUSE REMOVAL INC	\$6,192.15
1/4/22	8066736	SNOHOMISH COUNTY	\$9,508.04
1/4/22	8066737	PUBLIC UTILITY DIST NO 1 OF	\$15,461.30
1/4/22	8066738	SUREWOULD MOTORS INC	\$36.35
1/4/22	8066739	TRAFFIC SAFETY SUPPLY CO	\$6,067.82
1/4/22	8066740	US BANK NA	\$517.50
1/4/22	8066741	WASHINGTON STATE	\$254.30

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
1/4/22	8066742	CHARGEPOINT INC	\$722.50
1/4/22	8066743	ELDEC CORPORATION	\$3,734.48
1/4/22	8066744	CANYON CREEK CABINET CO	\$11,885.89
1/4/22	8066745	TRAVIS J MIRANDA	\$24,323.75
1/4/22	8066746	LOADMAN NW LLC	\$430.97
1/4/22	8066747	RAMON DIAZ PACHECO	\$8,332.92
1/4/22	8066748	SWICKARD EVERETT LLC	\$83.84
1/4/22	8066749	SAFETY SOURCE LLC	\$65.58
1/4/22	8066750	THE PAPE GROUP INC	\$264.00
1/4/22	8066751	JENSEN HUGHES INC	\$3,885.00
1/4/22	8066752	S-R BROADCASTING INC	\$396.00
1/4/22	8066753	MCWANE INC	\$40,328.80
1/4/22	8066754	SRJ INVESTMENTS INC	\$4,806.62
1/4/22	8066755	K3BC PROPERTIES LLC	\$1,152.71
1/4/22	8066756	SNOHOMISH COUNTY 911	\$5,642.81
1/4/22	8066757	ADVANCED GOVERNMENT SERVICES INC	\$15,986.00
1/4/22	8066758	WILLDAN ENERGY SOLUTIONS	\$401,405.04
1/4/22	8066759	ENDRESS & HAUSER INC	\$10,319.84
1/4/22	8066760	PARK PLACE TECHNOLOGIES LLC	\$8,057.07
1/4/22	8066761	TARREN MICHAEL ACKERMANN	\$3,035.52
1/4/22	8066762	NORTHWEST FIBER LLC	\$7,488.62
1/4/22	8066763	WELLFLEET NEW YORK INSURANCE CO	\$2,058.00
1/4/22	8066764	UNIVERSITY MECHANICAL CONTRACTORS I	\$1,881.97
1/4/22	8066765	VOID	\$0.00
1/4/22	8066766	DYMEK SOLUTIONS INC	\$2,000.00
1/4/22	8066767	MAGELLAN ADVISORS LLC	\$34,650.00
1/4/22	8066768	GREGORY DRILLING INCORPORATED	\$25,479.09
1/4/22	8066769	WAHL INVESTMENT	\$19,280.52
1/4/22	8066770	RIDWELL INC	\$1,000.00
1/4/22	8066771	ARROW INSULATION INC	\$2,282.00
1/4/22	8066772	ENERGY MANAGEMENT COLLABORATIVE LLC	\$2,246.38
1/4/22	8066773	INDUSTRIAL LIGHT & ENERGY INC	\$50.00

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
1/4/22	8066774	NORDSTROM HEATING & AIR INC	\$5,000.00
1/4/22	8066775	JOHN YASKUS	\$1,840.00
1/4/22	8066776	R&L GLASS INSTALLATION	\$350.00
1/4/22	8066777	REFINED CONSULTING GROUP	\$6,500.00
1/7/22	8066778	LENNAR NORTHWEST INC	\$2,790.03
1/7/22	8066779	CLEAR WIRELESS LLC	\$67,110.36
1/7/22	8066780	FRED JAHNS	\$2,309.13
1/7/22	8066781	BLX GROUP LLC	\$4,300.00
1/7/22	8066782	COMCAST HOLDING CORPORATION	\$135.01
1/7/22	8066783	CITY OF EVERETT	\$3,026.34
1/7/22	8066784	GLOBAL RENTAL COMPANY INC	\$17,238.60
1/7/22	8066785	CITY OF MOUNTLAKE TERRACE	\$93.71
1/7/22	8066786	THE NATL ASSN OF FLEET ADMNSTRS	\$1,924.00
1/7/22	8066787	GENUINE PARTS COMPANY	\$530.07
1/7/22	8066788	PITNEY BOWES INC	\$441.40
1/7/22	8066789	SNOHOMISH COUNTY COUNCIL OF THE	\$6,462.75
1/7/22	8066790	UNITED SITE SERVICES OF NEVADA INC	\$101.76
1/7/22	8066791	US BANK NA	\$3,907.86
1/7/22	8066792	OLDCASTLE PRECAST INC	\$10,425.53
1/7/22	8066793	VALMONT INDUSTRIES INC	\$11,115.05
1/7/22	8066794	ALDERWOOD WATER & WASTEWATER DISTRI	\$712.92
1/7/22	8066795	BICKFORD MOTORS INC	\$285.34
1/7/22	8066796	CAR WASH ENTERPRISES INC	\$5.00
1/7/22	8066797	DIRECTV LLC	\$95.99
1/7/22	8066798	DRUG PREVENTION SPECIALISTS INC	\$150.00
1/7/22	8066799	THE HO SEIFFERT COMPANY	\$3,130.00
1/7/22	8066800	EDS MCDOUGALL LLC	\$725.00
1/7/22	8066801	SAFELITE FULFILLMENT INC	\$1,717.48
1/7/22	8066802	SUBNET SOLUTIONS INC	\$4,200.00
1/7/22	8066803	PFLUEGER EVERETT HOLDINGS LLC	\$1,216.00
1/7/22	8066804	NOVANTA CORPORATION	\$22,134.93
1/7/22	8066805	CRITICAL INSIGHT INC	\$63,302.79

Detailed Disbursement Report

Accounts Payable Warrants			
Payment Date	Payment Ref Nbr	Payee	Amount
1/7/22	8066806	OCCUPATIONAL HEALTH CENTERS OF WA P	\$90.50
1/7/22	8066807	CADMAN MATERIALS INC	\$296.91
1/7/22	8066808	FRITCH FOREST PRODUCTS INC	\$69,075.00
1/7/22	8066809	BH-C AUTOMOTIVE	\$20,985.00
1/7/22	8066810	CLARY LONGVIEW LLC	\$47,151.83
1/7/22	8066811	POWDER COATING INC	\$402.99
1/7/22	8066812	KENDALL DEALERSHIP HOLDINGS LLC	\$404.04
1/7/22	8066813	NATIONAL RESOURCE MANAGEMENT INC	\$20,995.25
1/7/22	8066814	UNIVERSAL PROTECTION SERVICE LP	\$1,035.60
1/7/22	8066815	RANDS 910 CENTER LLC	\$1,823.00
1/7/22	8066816	CONCENTRIC LLC	\$790.91
1/7/22	8066817	DEA ENTERPRISES LLC	\$1,000.00
1/7/22	8066818	GROCERY OUTLET INC	\$26,791.00
1/7/22	8066819	BBS TERIYAKI GRILL LLC	\$2,250.00
1/7/22	8066820	EVERGREEN STATE SHEET METAL INC	\$805.13
1/7/22	8066821	INDUSTRIAL LIGHT & ENERGY INC	\$131.10
1/7/22	8066822	ISLAND COUNTY	\$203.50
1/7/22	8066823	ISLAND COUNTY	\$339.90
1/7/22	8066824	SNOHOMISH COUNTY AIRPORT	\$66,045.96
1/7/22	8066825	GREEN LIGHTING LLC	\$635.00

Total: \$3,083,472.39

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/27/21	6027671	CENTRAL WELDING SUPPLY CO INC	\$39.53
12/27/21	6027672	CHARTWELL INC	\$43,180.00
12/27/21	6027673	CONSOLIDATED ELECTRICAL DISTRIBUTOR	\$44,681.74
12/27/21	6027674	DAVID EVANS & ASSOCIATES INC	\$5,192.06
12/27/21	6027675	DOBLE ENGINEERING CO	\$436.80
12/27/21	6027676	FASTENAL COMPANY	\$802.35
12/27/21	6027677	FRUHLING SAND & TOPSOIL INC	\$313.36
12/27/21	6027678	HOWARD INDUSTRIES INC	\$22,772.52
12/27/21	6027679	JACO ANALYTICAL LAB INC	\$749.00
12/27/21	6027680	KUBRA DATA TRANSFER LTD	\$31,730.49
12/27/21	6027681	MOTOR TRUCKS INTL & IDEALEASE INC	\$451.54
12/27/21	6027682	MR TRUCK WASH INC	\$1,739.82
12/27/21	6027683	NORTH COAST ELECTRIC COMPANY	\$2,391.85
12/27/21	6027684	NORTHSTAR CHEMICAL INC	\$500.00
12/27/21	6027685	NW SUBSURFACE WARNING SYSTEM	\$6,634.47
12/27/21	6027686	OFFICE DEPOT INC	\$141.56
12/27/21	6027687	PETROCARD INC	\$2,360.76
12/27/21	6027688	RADIAN RESEARCH INC	\$58,948.80
12/27/21	6027689	ROMAINE ELECTRIC CORP	\$691.74
12/27/21	6027690	SEATTLE TIMES COMPANY	\$1,854.90
12/27/21	6027691	SPOK INC	\$110.82
12/27/21	6027692	STELLAR INDUSTRIAL SUPPLY INC	\$530.44
12/27/21	6027693	PRATT DAY & STRATTON PLLC	\$1,138.50
12/27/21	6027694	GORDON TRUCK CENTERS INC	\$599.88
12/27/21	6027695	WW GRAINGER INC	\$288.34
12/27/21	6027696	ALLIED ELECTRONICS INC	\$18.28
12/27/21	6027697	BACKGROUND INFORMATION SERVICES INC	\$682.13
12/27/21	6027698	CELLCO PARTNERSHIP	\$1,354.55
12/27/21	6027699	COLEHOUR & COHEN INC	\$139,468.75
12/27/21	6027700	CUZ CONCRETE PRODUCTS INC	\$1,078.00
12/27/21	6027701	GENERAL PACIFIC INC	\$6,276.75
12/27/21	6027702	KEMP WEST INC	\$41,744.53

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/27/21	6027703	LAW DAWGS INC	\$1,000.00
12/27/21	6027704	NORTHWEST CASCADE INC	\$436.00
12/27/21	6027705	OPEN ACCESS TECHNOLOGY INTL INC	\$822.00
12/27/21	6027706	OWEN EQUIPMENT COMPANY	\$579,563.12
12/27/21	6027707	DAVID JAMES PERKINS	\$900.00
12/27/21	6027708	RICOH USA INC	\$13,676.28
12/27/21	6027709	LOUIS F MATHESON CONSTRUCTION INC	\$3,208.77
12/27/21	6027710	SOUND SAFETY PRODUCTS CO INC	\$268.14
12/27/21	6027711	VISION METERING LLC	\$1,400.00
12/27/21	6027712	ANIXTER INC	\$51,671.45
12/27/21	6027713	SEATTLE NUT & BOLT LLC	\$860.83
12/27/21	6027714	HAVENSIGHT CONSULTING GROUP LLC	\$40,000.00
12/27/21	6027715	ICONIX WATERWORKS INC	\$5,785.81
12/27/21	6027716	WESTERN STATES FIRE PROTECTION CO	\$4,623.58
12/27/21	6027717	ATWORK COMMERCIAL ENTERPRISES LLC	\$23,755.39
12/27/21	6027718	BALLARD HARDWARE & SUPPLY INC	\$4,237.13
12/27/21	6027719	GOLDFARB & HUCK ROTH RIOJAS PLLC	\$77,943.12
12/27/21	6027720	CURTIS A SMITH	\$5,644.27
12/27/21	6027721	QCERA INC	\$1,994.00
12/27/21	6027722	JR MERIT INC	\$103,492.88
12/27/21	6027723	GLOBAL INFRASTRUCTURE SOLUTIONS INC	\$1,046.00
12/27/21	6027724	THE ADT SECURITY CORPORATION	\$119,404.04
12/27/21	6027725	USIC HOLDINGS INC	\$47,864.83
12/27/21	6027726	CM HEATING INC	\$2,500.00
12/27/21	6027727	MARK BRUZAS	\$102.00
12/27/21	6027728	KELSEY LEWIS	\$177.06
12/28/21	6027729	NORTH COAST ELECTRIC COMPANY	\$186.72
12/28/21	6027730	ON HOLD CONCEPTS INC	\$234.70
12/28/21	6027731	SAP AMERICA INC	\$2,017,554.30
12/28/21	6027732	STELLAR INDUSTRIAL SUPPLY INC	\$3,613.79
12/28/21	6027733	TK ELEVATOR CORPORATION	\$3,111.87
12/28/21	6027734	TRENCHLESS CONSTR SVCS LLC	\$505,880.42

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/28/21	6027735	WASTE MANAGEMENT OF WASHINGTON INC	\$4,290.80
12/28/21	6027736	WETLAND RESOURCES INC	\$2,575.00
12/28/21	6027737	WILLIAMS SCOTSMAN INC	\$683.60
12/28/21	6027738	BENEFITFOCUS COM INC	\$7,856.99
12/28/21	6027739	BENS CLEANER SALES INC	\$5,586.62
12/28/21	6027740	COLEHOUR & COHEN INC	\$57,975.82
12/28/21	6027741	THOMAS D MORTIMER JR	\$285.00
12/28/21	6027742	PACIFIC MOBILE STRUCTURES INC	\$1,059.26
12/28/21	6027743	RMG FINANCIAL CONSULTING INC	\$1,350.00
12/28/21	6027744	SENSUS USA INC	\$76,860.00
12/28/21	6027745	GRAYBAR ELECTRIC CO INC	\$719.46
12/28/21	6027746	ALTEC INDUSTRIES INC	\$2,208.22
12/28/21	6027747	ANIXTER INC	\$7,657.18
12/28/21	6027748	SEMAPHORE CORP	\$1,801.45
12/28/21	6027749	ROADPOST USA INC	\$1,005.12
12/28/21	6027750	MICHAEL NASH	\$3,105.28
12/28/21	6027751	THE SISNEY GROUP LLC	\$3.91
12/28/21	6027752	ID LABELING SYSTEMS	\$1,581.12
12/28/21	6027753	MURRAYSMITH INC	\$3,411.00
12/28/21	6027754	THEODORE BLAINE LIGHT III	\$2,975.00
12/28/21	6027755	SHERELLE GORDON	\$32,000.00
12/28/21	6027756	MAPBOX INC	\$3,863.60
12/28/21	6027757	JERRY JODOCK	\$102.00
12/29/21	6027758	ASPLUNDH TREE EXPERT LLC	\$27,374.12
12/29/21	6027759	CENTRAL WELDING SUPPLY CO INC	\$97.75
12/29/21	6027760	MILES SAND & GRAVEL COMPANY	\$761.47
12/29/21	6027761	DAVID EVANS & ASSOCIATES INC	\$36,871.64
12/29/21	6027762	HOWARD INDUSTRIES INC	\$12,412.89
12/29/21	6027763	ROMAINE ELECTRIC CORP	\$4,381.74
12/29/21	6027764	RWC INTERNATIONAL LTD	\$244.99
12/29/21	6027765	STELLAR INDUSTRIAL SUPPLY INC	\$14.87
12/29/21	6027766	TOPSOILS NORTHWEST INC	\$7,040.00

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/29/21	6027767	GORDON TRUCK CENTERS INC	\$659.48
12/29/21	6027768	WASTE MANAGEMENT OF WASHINGTON INC	\$616.39
12/29/21	6027769	WASHINGTON ST NURSERY & LANDSCAPE A	\$2,090.00
12/29/21	6027770	WW GRAINGER INC	\$137.59
12/29/21	6027771	AARD PEST CONTROL INC	\$137.25
12/29/21	6027772	DESIGNER DECAL INC	\$1,327.48
12/29/21	6027773	HOGLUNDS TOP SHOP INC	\$1,522.38
12/29/21	6027774	LENZ ENTERPRISES INC	\$829.50
12/29/21	6027775	LI IMMIGRATION LAW PLLC	\$382.50
12/29/21	6027776	NORTHWEST CASCADE INC	\$738.25
12/29/21	6027777	LOUIS F MATHESON CONSTRUCTION INC	\$7,787.99
12/29/21	6027778	TRICO COMPANIES LLC	\$28,246.50
12/29/21	6027779	TYNDALE ENTERPRISES INC	\$9,813.86
12/29/21	6027780	WALTER E NELSON CO OF WESTERN WA	\$413.07
12/29/21	6027781	ALTEC INDUSTRIES INC	\$8,844.62
12/29/21	6027782	MALLORY SAFETY AND SUPPLY LLC	\$1,279.93
12/29/21	6027783	Z2SOLUTIONS LLC	\$83,819.13
12/29/21	6027784	HARNISH GROUP INC	\$35.45
12/29/21	6027785	DS SERVICES OF AMERICA INC	\$2,577.56
12/29/21	6027786	HARMSSEN LLC	\$7,918.75
12/29/21	6027787	AMAZON WEB SERVICES INC	\$295.71
12/29/21	6027788	ROLLUDA ARCHITECTS	\$113,378.22
12/29/21	6027789	TWILIO INC	\$4,400.29
12/29/21	6027790	COMPENSATION WORKS CORP	\$9,562.50
12/29/21	6027791	THE ADT SECURITY CORPORATION	\$6,544.65
12/29/21	6027792	ENERGY EXEMPLAR LLC	\$51,468.75
12/29/21	6027793	CLEAN CRAWL INC	\$1,894.50
12/29/21	6027794	CM HEATING INC	\$11,500.00
12/29/21	6027795	MONICA GORMAN	\$131.04
12/29/21	6027796	JULIE JOHNSON	\$119.84
12/29/21	6027797	DEVON YEAGER	\$1,000.00
12/30/21	6027798	ASPLUNDH TREE EXPERT LLC	\$20,960.50

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
12/30/21	6027799	ASSOCIATED PETROLEUM PRODUCTS INC	\$31,229.07
12/30/21	6027800	CERIUM NETWORKS INC	\$14,689.64
12/30/21	6027801	ROMAINE ELECTRIC CORP	\$1,317.50
12/30/21	6027802	RWC INTERNATIONAL LTD	\$480.72
12/30/21	6027803	GORDON TRUCK CENTERS INC	\$255.28
12/30/21	6027804	WW GRAINGER INC	\$280.91
12/30/21	6027805	CELLCO PARTNERSHIP	\$1,150.37
12/30/21	6027806	HERRERA ENVIRONMENTAL CONSULTANTS I	\$1,540.87
12/30/21	6027807	NORTHWEST CASCADE INC	\$136.17
12/30/21	6027808	ROGER R OLSEN	\$787.50
12/30/21	6027809	PILCHUCK EQUIPMENT RENTALS AND SALE	\$672.37
12/30/21	6027810	ALTEC INDUSTRIES INC	\$5,404.34
12/30/21	6027811	SEATTLE NUT & BOLT LLC	\$415.04
12/30/21	6027812	ANDREW JORDAN HARPER	\$511.50
12/30/21	6027813	INFOSOL INC	\$750.00
12/30/21	6027814	FRONTIER PRECISION INC	\$919.03
12/30/21	6027815	HARNISH GROUP INC	\$1,745.79
12/30/21	6027816	BANK OF AMERICA NA	\$261,470.51
12/30/21	6027817	THE ADT SECURITY CORPORATION	\$12,887.53
12/30/21	6027818	KENT ENGINEERING LLC	\$1,350.00
12/30/21	6027819	AMERICAN CRAWLSPACE & PEST SERVICES	\$764.50
12/30/21	6027820	BREEZE FREE INC	\$400.00
12/30/21	6027821	CLEAN CRAWL INC	\$1,140.00
12/30/21	6027822	CM HEATING INC	\$11,000.00
12/30/21	6027823	TULALIP TRIBES OF WASHINGTON	\$500,000.00
12/30/21	6027824	TULALIP TRIBES OF WASHINGTON	\$10,000.00
12/30/21	6027825	AA REMODELING LLC	\$850.00
12/30/21	6027826	LIBERTY MUTUAL GROUP INC	\$19,922.34
1/3/22	6027827	ALS GROUP USA CORP	\$60.00
1/3/22	6027828	NORTH COAST ELECTRIC COMPANY	\$11,083.02
1/3/22	6027829	ROMAINE ELECTRIC CORP	\$114.63
1/3/22	6027830	SAUBER MANUFACTURING CO	\$486.50

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
1/3/22	6027831	TOPSOILS NORTHWEST INC	\$85.00
1/3/22	6027832	TRENCHLESS CONSTR SVCS LLC	\$8,934.59
1/3/22	6027833	AARD PEST CONTROL INC	\$497.26
1/3/22	6027834	CELLCO PARTNERSHIP	\$67,780.94
1/3/22	6027835	THE COMPLETE LINE LLC	\$676.37
1/3/22	6027836	LAW DAWGS INC	\$1,000.00
1/3/22	6027837	LENZ ENTERPRISES INC	\$8,284.35
1/3/22	6027838	LONGS LANDSCAPE LLC	\$2,919.10
1/3/22	6027839	NORTHWEST CASCADE INC	\$365.55
1/3/22	6027840	SEATTLE AUTOMOTIVE DISTRIBUTING INC	\$249.86
1/3/22	6027841	SOUND SAFETY PRODUCTS CO INC	\$1,442.12
1/3/22	6027842	WESTERN ELECTRICITY COORDINATING CO	\$88.78
1/3/22	6027843	GRAYBAR ELECTRIC CO INC	\$12,520.67
1/3/22	6027844	ALTEC INDUSTRIES INC	\$2,410.20
1/3/22	6027845	ANIXTER INC	\$223,442.82
1/3/22	6027846	SEMAPHORE CORP	\$1,130.00
1/3/22	6027847	TRU-CHECK INC	\$257,398.13
1/3/22	6027848	GEORGE H SWANEY	\$476.00
1/3/22	6027849	REXEL USA INC	\$467.18
1/3/22	6027850	FLEET SERVICE VEHICLE REPAIR LLC	\$4,548.95
1/3/22	6027851	CLEAN CRAWL INC	\$4,164.00
1/3/22	6027852	CM HEATING INC	\$7,000.00
1/3/22	6027853	HP INC	\$50,263.15
1/3/22	6027854	STILLY RIVER MECHANICAL INC	\$2,950.00
1/3/22	6027855	AA REMODELING LLC	\$1,600.00
1/3/22	6027856	GS HEATING & COOLING LLC	\$2,500.00
1/3/22	6027857	CHAD GRABNER	\$97.18
1/4/22	6027858	ELECTRO MECHANICAL CORP	\$65,563.78
1/4/22	6027859	FRUHLING SAND & TOPSOIL INC	\$55.20
1/4/22	6027860	NELSON DISTRIBUTING INC	\$60.37
1/4/22	6027861	NORTHSTAR CHEMICAL INC	\$1,209.90
1/4/22	6027862	RWC INTERNATIONAL LTD	\$249.34

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
1/4/22	6027863	STELLAR INDUSTRIAL SUPPLY INC	\$1,437.42
1/4/22	6027864	TESSCO INCORPORATED	\$472.19
1/4/22	6027865	GORDON TRUCK CENTERS INC	\$237.76
1/4/22	6027866	VAN NESS FELDMAN LLP	\$5,476.50
1/4/22	6027867	EDGE ANALYTICAL INC	\$1,589.00
1/4/22	6027868	GENERAL PACIFIC INC	\$2,951.03
1/4/22	6027869	LENZ ENTERPRISES INC	\$200.20
1/4/22	6027870	LI IMMIGRATION LAW PLLC	\$1,072.50
1/4/22	6027871	ULINE INC	\$287.69
1/4/22	6027872	PILCHUCK EQUIPMENT RENTALS AND SALE	\$373.54
1/4/22	6027873	GRAYBAR ELECTRIC CO INC	\$437.63
1/4/22	6027874	ANIXTER INC	\$4,437.68
1/4/22	6027875	TRAFFIC CONTROL PLAN CO OF WA LLC	\$450.00
1/4/22	6027876	NORTH COUNTY OUTLOOK INC	\$405.00
1/4/22	6027877	RESOURCE INNOVATIONS INC	\$17,890.34
1/4/22	6027878	HARMSSEN LLC	\$1,400.00
1/4/22	6027879	WORKLOGIX MANAGEMENT INC	\$8,125.00
1/5/22	6027880	ALS GROUP USA CORP	\$85.00
1/5/22	6027881	CARDINAL PAINT & POWDER INC	\$112.00
1/5/22	6027882	CENTRAL WELDING SUPPLY CO INC	\$37.06
1/5/22	6027883	NORTH COAST ELECTRIC COMPANY	\$4,752.43
1/5/22	6027884	NW ENERGY EFFICIENCY ALLIANCE INC	\$74,052.36
1/5/22	6027885	NORTHWEST POWER POOL CORP	\$10,508.63
1/5/22	6027886	ROMAINE ELECTRIC CORP	\$1,037.61
1/5/22	6027887	SCHWEITZER ENGINEERING LAB INC	\$12,621.78
1/5/22	6027888	TESSCO INCORPORATED	\$539.86
1/5/22	6027889	UNITED PARCEL SERVICE	\$348.29
1/5/22	6027890	WW GRAINGER INC	\$82.30
1/5/22	6027891	CUZ CONCRETE PRODUCTS INC	\$2,592.59
1/5/22	6027892	EDGE ANALYTICAL INC	\$176.00
1/5/22	6027893	EDX WIRELESS INC	\$6,000.00
1/5/22	6027894	GENERAL PACIFIC INC	\$130,729.64

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
1/5/22	6027895	LENZ ENTERPRISES INC	\$1,680.47
1/5/22	6027896	WALTER E NELSON CO OF WESTERN WA	\$6,803.76
1/5/22	6027897	DELTA CONNECTS INC	\$1,249.52
1/5/22	6027898	GRAYBAR ELECTRIC CO INC	\$780.18
1/5/22	6027899	ALTEC INDUSTRIES INC	\$2,838.75
1/5/22	6027900	ANIXTER INC	\$134,487.77
1/5/22	6027901	SEMAPHORE CORP	\$5,237.46
1/5/22	6027902	CONSOLIDATED PRESS LLC	\$87,805.28
1/5/22	6027903	CENVEO WORLDWIDE LIMITED	\$3,854.97
1/5/22	6027904	THE ADT SECURITY CORPORATION	\$7,857.15
1/5/22	6027905	ARCHECOLOGY LLC	\$225.00
1/5/22	6027906	RYDAR HAUGEN	\$75.00
1/5/22	6027907	LIBERTY MUTUAL GROUP INC	\$5,858.76
1/6/22	6027908	ALS GROUP USA CORP	\$144.00
1/6/22	6027909	ASPLUNDH TREE EXPERT LLC	\$41,613.51
1/6/22	6027910	COMMERCIAL FILTER SALES & SERVICE	\$1,147.27
1/6/22	6027911	DEXSIL CORP	\$214.40
1/6/22	6027912	MOSS ADAMS LLP	\$505.33
1/6/22	6027913	NORTH COAST ELECTRIC COMPANY	\$26,347.36
1/6/22	6027914	OFFICE DEPOT INC	\$2,806.13
1/6/22	6027915	PITNEY BOWES PRESORT SERVICES LLC	\$251.64
1/6/22	6027916	ROMAINE ELECTRIC CORP	\$31.84
1/6/22	6027917	RWC INTERNATIONAL LTD	\$7,709.51
1/6/22	6027918	TRENCHLESS CONSTR SVCS LLC	\$72,499.04
1/6/22	6027919	DESIGNER DECAL INC	\$733.74
1/6/22	6027920	EDGE ANALYTICAL INC	\$314.00
1/6/22	6027921	GEOENGINEERS INC	\$4,517.00
1/6/22	6027922	HD FOWLER COMPANY INC	\$1,464.96
1/6/22	6027923	LENZ ENTERPRISES INC	\$883.00
1/6/22	6027924	OWEN EQUIPMENT COMPANY	\$331.43
1/6/22	6027925	PUBLIC UTILITY DISTRICT EMPLOYEES	\$1,011.00
1/6/22	6027926	STATE OF WASHINGTON	\$9,726.60

Detailed Disbursement Report

Accounts Payable ACH			
Payment Date	Payment Ref Nbr	Payee	Amount
1/6/22	6027927	OFFICE OF THE SECRETARY OF STATE	\$3,125.19
1/6/22	6027928	PILCHUCK EQUIPMENT RENTALS AND SALE	\$2,107.63
1/6/22	6027929	GRAYBAR ELECTRIC CO INC	\$10,363.20
1/6/22	6027930	QUALITY TRAINING SYSTEMS	\$9,480.00
1/6/22	6027931	ALTEC INDUSTRIES INC	\$2,713.71
1/6/22	6027932	REXEL USA INC	\$4,544.84
1/6/22	6027933	DEVELOPMENT DIMENSIONS INTRNTL INC	\$5,490.00
1/6/22	6027934	GLOBAL INFRASTRUCTURE SOLUTIONS INC	\$2,024.00
1/6/22	6027935	OAC SERVICES INC	\$8,197.36
1/6/22	6027936	WELLNESS BY WISHLIST INC	\$23,716.67
1/6/22	6027937	GEORGE HESPE	\$77.28
1/6/22	6027938	ANDREW JACQUES	\$42.00
1/6/22	6027939	SOREN WELLMAN	\$241.00
1/7/22	6027940	DIVERSIFIED INSPECTIONS ITL INC	\$1,766.45
1/7/22	6027941	SNOHOMISH COUNTY	\$407.00
1/7/22	6027942	UNITED PARCEL SERVICE	\$400.58
1/7/22	6027943	BENEFITFOCUS COM INC	\$3.85
1/7/22	6027944	SENSUS USA INC	\$46,116.00
1/7/22	6027945	LAURA REINITZ	\$116.00
1/7/22	6027946	MATTHEW HOFFMAN	\$145.60

Total: \$7,197,701.48

Detailed Disbursement Report

Accounts Payable Wires			
Payment Date	Payment Ref Nbr	Payee	Amount
12/27/21	7002417	US BANK NA	\$45,082.87
12/30/21	7002418	US BANK	\$15,891.97
1/3/22	7002419	THE ENERGY AUTHORITY INC	\$7,500.00
1/3/22	7002420	WHEAT FIELD WIND POWER PROJECT LLC	\$1,040,489.67
1/3/22	7002421	US BANK NA	\$41,565.74
1/6/22	7002422	ICMA-RC	\$219,344.10
1/6/22	7002423	PUBLIC UTILITY DIST NO 1 OF SNOHOMI	\$36,203.62
1/6/22	7002424	ICMA-RC	\$585,020.78
1/7/22	7002425	ICMA-RC	\$35,802.00
1/7/22	7002426	US BANK NA	\$34,221.59

Total: \$2,061,122.34

Detailed Disbursement Report

Payroll			
Period End Date	Payment Ref Nbr	Payee	Amount
1/7/22	5300000563	PUD EMPLOYEES - DIRECT DEPOSIT	\$4,209,445.17
1/7/22	844524 - 844535	PUD EMPLOYEES - WARRANTS	\$33,814.49

Detailed Disbursement Report

Automatic Debit Payments			
Payment Date	Payment Ref Nbr	Payee	Amount
12/28/21	5300000560	STATE OF WA DEPT OF RETIR	\$176,016.51
12/28/21	5300000561	STATE OF WA DEPT OF REVEN	\$1,182,265.58
1/3/22	5300000562	ELAVON INC DBA MERCHANT S	\$1,633.56
1/7/22	5300000563	ADP INC	\$1,024,599.06
Total:			\$2,384,514.71



BUSINESS OF THE COMMISSION

Meeting Date: January 18, 2022

Agenda Item: 4A

TITLE

Consideration of a Resolution Amending the District's Retail Electric Rate Schedules to Implement a 2.1 Percent System Average Rate Increase

SUBMITTED FOR: Public Hearing and Action

Rates, Economics & Energy Risk Mgmt	Brian Booth	8286
Department	Contact	Extension
Date of Previous Briefing:	<u>January 4, 2022</u>	
Estimated Expenditure:		Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- | | | |
|---|-------------------------------------|--|
| <input type="checkbox"/> Decision Preparation | <input type="checkbox"/> Incidental | <input type="checkbox"/> Monitoring Report |
| <input type="checkbox"/> Policy Discussion | (Information) | |
| <input checked="" type="checkbox"/> Policy Decision | | |
| <input checked="" type="checkbox"/> Statutory | | |

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.

District staff is proposing a 2.1 percent system average rate increase to address a portion of the 2022 - 2026 budget deficit. District staff has analyzed a number of factors affecting wholesale and retail electric rates since the last general rate adjustment in 2017, including but not limited to ongoing expenses related to the COVID-19 pandemic, supply chain issues, high and volatile wholesale electricity markets, and general inflation.

The proposed rate adjustments include a 2.99 percent increase for the Schedule 7 "Residential" customer class and adjustments ranging from 0.4% to 5.9% for the various Schedule 20 – 38 rate schedules.

A public meeting regarding these changes was held on January 4, 2022 and a public hearing was held on the afternoon of January 18, 2022.

List Attachments:

Resolution

Exhibit A – Redlined Electric Rate Schedules

Presentation – Presented January 4, 2022

RESOLUTION NO. _____

A RESOLUTION Amending the District's Retail Electric Rate
Schedules to Implement a 2.1 Percent System Average Rate
Increase

WHEREAS, the Public Utility District No. 1 of Snohomish County (the “District”) has not approved a general electric rate increase since 2017; and

WHEREAS, the District currently has a significant 2022 - 2026 budget deficit; and

WHEREAS, District staff have reviewed applicable issues potentially impacting retail electric rates since the last rate adjustment, including but not limited to ongoing expenses related to the COVID-19 pandemic, supply chain issues, and general inflation; and

WHEREAS, District staff also have taken into consideration additional factors that create rate pressure, such as high and volatile wholesale electricity markets and unforeseeable weather events; and

WHEREAS, District staff have proposed a 2.1 percent system average rate increase to address the factors set forth above; and

WHEREAS, a properly noticed meeting to consider the proposed rate increase was held on January 4, 2022, and a public hearing was held on January 18, 2022, during which an opportunity to provide testimony was provided; and

WHEREAS, the Board of Commissioners, having reviewed and considered information, testimony and evaluations presented and received at its public meeting and hearing, has determined that it would be in the best interest of the District and its electric utility customers that the District's retail rates should be increased by 2.1 percent on a system average basis, which best achieves a reasonable balance between the needs of the District's customer/owners for stable rates while firmly maintaining the District's financial stability.

NOW, THEREFORE, BE IT RESOLVED that the Commission of Public Utility District No.1 of Snohomish County hereby adopts the District's Retail Electric Rate Schedule Nos. 7, 20, 20EV, 23, 24, 25, 36, and 38 as attached hereto as Exhibit A and incorporated herein by this reference.

BE IT FURTHER RESOLVED that the Retail Electric Rate Schedules adopted herein shall become effective on April 1, 2022.

PASSED AND APPROVED this 18th day of January, 2022.

President

Vice-President

Secretary



SCHEDULE 7 – RESIDENTIAL SERVICE

(1) AVAILABILITY: This schedule (“Schedule”) is available in all territory served by the PUD for residential service. To be eligible for residential service, a facility must have no more than two dwelling units on a single meter and all facilities or structures must be related to or intended for human habitation. This schedule is also available for incidental farm service when used in conjunction with such residential service on the same premises. The following rates will be in effect through the dates indicated below, unless amended by the Commission.

(2) TYPE OF SERVICE: Sixty-hertz alternating current. The PUD reserves the right of final determination of voltage and phase of service.

(3) RATE: The monthly billing shall be the greater of: (i) the sum of the Base Charge and Energy Charge; or, (ii) the Minimum Charge. Charges are calculated on a “per meter” basis. Each retail meter or billing installation shall be individually subject to the below charges.

(a) Schedule 7 Customers other than income-qualified customers (see (b) below).

Base Charge per day:

Effective Date	Oct. 1, 2021	April 1, 2022	April 1, 2023	April 1, 2024	April 1, 2025	April 1, 2026
Small \$/Day	NA	\$0.08	\$0.16	\$0.24	\$0.32	\$0.40
Medium \$/Day	NA	\$0.10	\$0.19	\$0.29	\$0.38	\$0.48
Large \$/Day	NA	\$0.11	\$0.22	\$0.34	\$0.45	\$0.56
Extra Lg. \$/Day	NA	\$0.16	\$0.32	\$0.48	\$0.64	\$0.80

- **Small Service:**
 - Multifamily units
 - Services with panel sizes of 100 amps or less, or;
 - Supplemental “Add-on” services ~~for with~~ panel sizes of 200 amps or less that are located on the same or contiguous parcels as a Schedule 7 dwelling unit billed to the same customer. ~~Add-on~~Such services provide electricity to facilities that are used in conjunction with residential service but are not intended for human habitation such as garages, barns, or well pumps.
- **Medium Service:** Services with panel sizes of up to 200 amps and services connected prior to April 1, 202~~1~~2 that do not qualify as Small Services.
- **Large Service:** Services with panel sizes greater than 200 amps and less than 401 amps.
- **Extra Large Service:** Services with panel sizes greater than 400 amps.

**Energy Charge per kWh:**

Effective Date	Oct. 1, 2021	April 1, 2022	April 1, 2023	April 1, 2024	April 1, 2025	April 1, 2026
\$/kWh	\$0.10470	\$0.10174	\$0. <u>101740987</u> 8	\$0. <u>098780958</u> 3	\$0. <u>095830928</u> 7	\$0. <u>092870899</u> 1

Minimum Charge:

Effective Date	Oct. 1, 2021	April 1, 2022	April 1, 2023	April 1, 2024	April 1, 2025	April 1, 2026
\$/Day	\$0.53	\$0.53	\$0.53	\$0.53	\$0.53	NA

(b) Income-qualified customers receiving a discount as established in the current Customer Service Regulations for Electric Service.

Base Charge per day:

Effective Date	Oct. 1, 2021	April 1, 2022	April 1, 2023	April 1, 2024	April 1, 2025	April 1, 2026
Small \$/Day	NA	\$0.08	\$0.16	\$0.24	\$0.32	\$0.39
Medium \$/Day	NA	\$0.10	\$0.19	\$0.29	\$0.37	\$0.47
Large \$/Day	NA	\$0.11	\$0.22	\$0.34	\$0.44	\$0.55
Extra Lg. \$/Day	NA	\$0.16	\$0.32	\$0.47	\$0.63	\$0.79

Energy Charge per kWh:

Effective Date	Oct. 1, 2021	April 1, 2022	April 1, 2023	April 1, 2024	April 1, 2025	April 1, 2026
\$/kWh	\$0.10327	\$0.10035	\$0. <u>100350974</u> 3	\$0. <u>097430945</u> 2	\$0. <u>094520916</u> 0	\$0. <u>091600886</u> 8

Minimum Charge:

Effective Date	Oct. 1, 2021	April 1, 2022	April 1, 2023	April 1, 2024	April 1, 2025	April 1, 2026
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\$/Day	\$0.52	\$0.52	\$0.52	\$0.52	\$0.52	NA
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(4) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL

TERMS OF SERVICE: Service under this schedule is subject to the limitations on liability and other terms and conditions of service specified in the district's electric service regulations and rate schedule 82.

(5) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the PUD.

(6) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

(7) BPA RESIDENTIAL EXCHANGE BENEFITS: BPA is authorized to offer Residential Exchange benefits to eligible utilities, which benefits must be passed through to the utility's residential and small farm customers. To the extent the PUD obtains Residential Exchange benefits in any given BPA rate period, the rates in this Schedule will be adjusted by applying credits that reflect the benefits the PUD receives.

Effective Date: ~~October~~ April 1, 2021 2022

[Res. No. XXXX (20212022) ;History: 6028 (2021); 6002 (2021); 5940 (2019); 5927 (2019); 5822 (2017); 5806 (2017); 5735 (2015); 5728 (2015); 5708 (2015); COLA (2015); COLA (2014); 5639 (2013); 5626 (2013); 5574 (2012); COLA (2013); COLA (2012); 5553 (2011); 5470 (2009); 5450 (2009); 5440 (2009); 5418 (2009); COLA (2009); 5339 (2008); 5067 (2002); 5043 (2002); 5011 (2001); 4973(2001); 4963 (2000); 4925 (2000); 4861 (1999); 4848 (1999); 4835 (1999); 4774 (1998); 4666 (1997); 4600 (1997); 4532 (1996); 4366 (1995); 4146 (1994); 4010 (1993);3984 (1993); 3908 (1993); 3826 (1992); 3644 (1991); 3405 (1990); 3386 (1990); 3284 (1989); 3283 (1989); 3281 (1989); 3169 (1988); 3104 (1987); 2969 (1986); 2881 (1985); 2879 (1985); 2806 (1984); 2726 (1983); 2715 (1983); 2704 (1983); 2684 (1983); 2644 (1982); 2528 (1981); 2509 (1981); 2459 (1981); 2445 (1980); 2442 (1980); 2436 (1980); 2426 (1980); 2345 (1979); 2202 (1978); 1996 (1975); 1392 (1966); 1371 (1966); 795 (1957)]



SCHEDULE 20 – GENERAL SERVICE, MEDIUM LOAD

(1) AVAILABILITY: This schedule (“Schedule”) is available in all territory served by the District for commercial, industrial, governmental, institutional, agricultural, and multiple residential customers whose actual Billing Demand was at least 100 kW once during the most recent twelve consecutive months, or whose estimated future Billing Demand, as estimated by the District, is at least 100 kW for one or more months during the twelve consecutive months following commencement of service under this schedule, or whose actual energy usage was at least 30,000 kWh per month once during the most recent twelve consecutive months. This schedule is not available to “New Large Single Loads” as defined in Rate Schedule 37. Such loads shall be served under Rate Schedule 37 - New Large Single Loads.

(2) TYPE OF SERVICE: Service is sixty Hertz alternating current delivered to one Point of Delivery. The District reserves the right of final determination of voltage and phase of service. Where mutually agreeable to the customer and the District, and at the option of the District, as indicated in Section 3.5 of the Customer Contract, service may be metered on the primary side of the distribution transformer.

(3) CUSTOMER CONTRACT: The District may, in its sole discretion, require the Customer to execute a contract (the “Customer Contract”) as a condition of receiving service under this Schedule if the Customer receives service from the District at the primary voltage level, where the District has provided special undertakings to the Customer, or in other circumstances where the District judges that a contract may be prudent. Unless otherwise specified in the Customer Contract, such contract will commence on its effective date and will, unless earlier terminated in accordance with the provisions of the Customer Contract, continue until such time as the Customer no longer receives service under this Schedule or the Customer Contract is terminated by mutual agreement of the District and the Customer.

(4) RATE: The monthly billing shall be the greater of: (i) the sum of the Base Charge, Demand Charge and Energy Charge; or, (ii) the Minimum Charge. Charges are calculated on a “per meter” basis. Each retail meter or billing installation shall be individually subject to the below charges. All rates are subject to adjustments pursuant to Rate Schedule 82.

Base Charge per day:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Base Charge	\$0.37 / day	\$0. 57 <u>81</u> / day	\$0.76 <u>1.00</u> / day



Energy Charge per kWh:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
First 30,000 kWh	\$0.0907	\$0.0896	\$0.0885
Over 30,000 kWh (July – March)	\$0.0699	\$0.0711 <u>0714</u>	\$0.0722 <u>0725</u>
Over 30,000 kWh (April – June)	\$0.0699	\$0.0611 <u>0614</u>	\$0.0522 <u>0525</u>

Demand Charge per kW of Billing Demand:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Billing Demand Up to 100 kW	N/A	N/A	N/A
Billing Demand Over 100 kW	\$5.23	\$5.95	\$6.66

Billing Demand shall be equal to the maximum 15-minute demand measured during the billing period.

Minimum Charge:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Daily charge	\$0.54 / day	\$0.741 <u>02</u> / day	\$0.931 <u>17</u> / day
Additional daily charge for all connected load > 10 kW	\$0.02425 per kW/day	\$0.02066 per kW/day	\$0.01707 per kW/day

(5) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL TERMS OF SERVICE: Service under this schedule is subject to the limitations on liability and other terms and conditions of service defined in the District's electric service regulations and Rate Schedule 82.

(6) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the District.



(7) TRANSFER TO OTHER RATE SCHEDULES: A customer receiving service under this rate schedule whose electric power usage falls below the usage criteria in Section (1) above shall be transferred to another Rate Schedule for which it qualifies as soon as is practical. Upon the expiration of the Term or earlier termination of any of the Customer Service Documents for any reason, the Customer shall, if it requires continued electric service, commence taking service under the then-applicable retail tariff prescribed by the PUD for firm service to customers in its class; provided, however, that any such service shall be subject to availability.

(8) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rates to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~ April 1, 2022~~1~~

[Res. No. ~~6028-XXXX~~ (2022); History: 6028 (2021); 5979 (2020); 5927 (2019); 5806 (2017); 5806 (2017); 5735 (2015); 5708 (2015); 5639 (2013); 5626 (2013); 5574 (2012); 5553 (2011); 5470 (2009); 5450 (2009); 5440 (2009); 5418 (2009); 5043 (2002); 5023 (2001); 5011 (2001); 4963 (2000); 4835 (1999); 4848 (1999); 4600 (1997); 4010 (1993); 3908 (1993); 3405 (1990); 3386 (1990); 2879 (1985); 2726 (1983); 2704 (1983); 2684 (1983); 2644 (1982); 2509 (1981); 2445 (1980); 2442 (1980); 2345 (1979); 2202 (1978); 1996 (1975); 1392 (1966); 1371 (1966); 795 (1957)]



SCHEDULE 20EV – PUBLIC ELECTRIC VEHICLE CHARGERS

(1) AVAILABILITY: This schedule (“Schedule”) is available in all territory served by the PUD for publicly available electric vehicle charging equipment that is metered separately from other loads not primarily associated with the charging of electric vehicles and whose total connected load is at least 100 kW and no greater than 5 MW.

Participation in this rate schedule is optional and eligible customers may choose to participate at any time. Customers who transfer from this rate schedule will not be eligible to participate for a 12-month period following the date of their exit. This rate schedule shall expire December 31, 2030 and all customers served by this schedule shall be transferred pursuant to Section 7.

(2) TYPE OF SERVICE: Service is sixty Hertz alternating current delivered to one Point of Delivery. The District reserves the right of final determination of voltage and phase of service. Where mutually agreeable to the customer and the District, and at the option of the District, as indicated in Section 3.5 of the Customer Contract, service may be metered on the primary side of the distribution transformer.

(3) CUSTOMER CONTRACT: The District may, in its sole discretion, require the Customer to execute a contract (the “Customer Contract”) as a condition of receiving service under this Schedule if the Customer receives service from the District at the primary voltage level, where the District has provided special undertakings to the Customer, or in other circumstances where the District judges that a contract may be prudent. Unless otherwise specified in the Customer Contract, such contract will commence on its effective date and will, unless earlier terminated in accordance with the provisions of the Customer Contract, continue until such time as the Customer no longer receives service under this Schedule or the Customer Contract is terminated by mutual agreement of the District and the Customer.

(4) RATE: The monthly billing shall be the greater of: (i) the sum of the Base Charge, Demand Charge and Energy Charge; or, (ii) the Minimum Charge. Charges are calculated on a “per meter” basis. Each retail meter or billing installation shall be individually subject to the below charges. All rates are subject to adjustments pursuant to Rate Schedule 82.

Base Charge: cents per day per meter or billing installation

Effective Date	Base Rate
January 1, 2021	\$0.37 / day
January April 1, 2022	\$0.57 81 / day
January 1, 2023	\$0.76 1.00 / day

Demand Charge:

- First 100 kW per month of Billing Demand: \$0 per kW - month
- Over 100 kW per month of Billing Demand:

Effective Date	Demand Rate
October 1, 2021	NA



January 1, 2022	\$0.60 / kW
January 1, 2023	\$1.33 / kW
January 1, 2024	\$2.00 / kW
January 1, 2025	\$2.66 / kW
January 1, 2026	\$3.33 / kW
January 1, 2027	\$4.00 / kW
January 1, 2028	\$4.66 / kW
January 1, 2029	\$5.33 / kW
January 1, 2030	\$5.99 / kW
<u>January 1, 2031</u>	<u>\$6.66 / kW</u>

Energy Charge:

- First 30,000 kWh per month:

Effective Date	Energy Rate
October 1, 2021	\$0.0907 per kWh
<u>January-April 1, 2022</u>	\$0.0896 per kWh
January 1, 2023	\$0.0885 per kWh

- Over 30,000 kWh per month:

Effective Date	July - March	April - June
October 1, 2021	\$0.0907 per kWh	\$0.0907 per kWh
<u>January-April 1, 2022</u>	\$0.0878 per kWh	\$0.08 <u>5</u> 68 per kWh
January 1, 2023	\$0. 0852 <u>0853</u> per kWh	\$0. 0812 <u>0813</u> per kWh
January 1, 2024	\$0. 0836 <u>0837</u> per kWh	\$0. 0776 <u>0777</u> per kWh
January 1, 2025	\$0.082 <u>10</u> per kWh	\$0.074 <u>10</u> per kWh
January 1, 2026	\$0.080 <u>54</u> per kWh	\$0.070 <u>54</u> per kWh
January 1, 2027	\$0.078 <u>97</u> per kWh	\$0.066 <u>97</u> per kWh
January 1, 2028	\$0.077 <u>34</u> per kWh	\$0.063 <u>34</u> per kWh
January 1, 2029	\$0.075 <u>75</u> per kWh	\$0.059 <u>75</u> per kWh
January 1, 2030	\$0.07 <u>4138</u> per kWh	\$0.05 <u>6158</u> per kWh
<u>January 1, 2031</u>	<u>\$0.0725 per kWh</u>	<u>\$0.0525 per kWh</u>

Minimum Charge: Sum of the Daily Charge and the Additional Charge for all connected load greater than 10 kW

Effective Date	Daily Charge	Additional Charge
January 1, 2021	\$0.54 / day	\$.02425 per kW > 10 / day
<u>January-April 1, 2022</u>	<u>\$0.741.02 / day</u>	\$0.02066 per kW > 10 / day



January 1, 2023	\$0.93 1.17 / day	\$.01707 per kW > 10/day
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(5) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL TERMS OF SERVICE: Service under this schedule is subject to the limitations on liability and other terms and conditions of service defined in the District's electric service regulations and Rate Schedule 82.

(6) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the District.

(7) TRANSFER TO OTHER RATE SCHEDULES: A customer receiving service under this rate schedule whose electric service requirements change so as to no longer meet the criteria in Section (1) above shall be transferred to another Rate Schedule for which it qualifies as soon as is practical. Upon the expiration of the Term or earlier termination of any of the Customer Service Documents for any reason, the Customer shall, if it requires continued electric service, commence taking service under the then-applicable retail tariff prescribed by the PUD for firm service to customers in its class; provided, however, that any such service shall be subject to availability.

(8) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rates to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~January 1, 2021

[Res. No. ~~6028-XXXX (as amended by 6032)~~ (2021); History: ~~6028 (as amended by 6032) (2021)~~; 5980 (2020)]



SCHEDULE 23 – SPECIAL CONTINUOUS SERVICE

(1) AVAILABILITY: This schedule is available in all territory served by the PUD for non-metered service to television cable amplifiers, air traffic warning lights, and other such applications where metering is deemed impractical by the PUD.

This schedule requires that customer-owned, fixed load equipment be installed on existing PUD-owned distribution facilities.

(2) TYPE OF SERVICE: Sixty hertz alternating current. The PUD reserves the right of final determination of voltage and phase of service.

(3) RATE: The monthly billing shall be the sum of the Customer Charge and Energy Charge.

Customer Charge: ~~28.33~~ cents per day

Energy Charge: ~~9.02~~8.85 cents per kWh

Energy use shall be computed by the following formula:

$$\frac{\text{Equipment wattage rating} \times \text{hours of operation}}{1000} = \text{kWh}$$

(4) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL TERMS OF SERVICE: Service under this schedule is subject to the limitations on liability and other terms and conditions of service defined in the District's electric service regulations and Rate Schedule 82.

(5) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the PUD.

(6) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~April 1, 2022

[Res. No. ~~6028-XXXX~~ (2022+); History: 6028 (2021); 5806 (2017); 5735 (2015); 5708 (2015); 5639 (2013); 5626 (2013); 5574 (2012); 5553 (2011); 5470 (2009); 5450 (2009); 5440 (2009); 5418 (2009); 5043 (2002); 5011 (2001); 4963 (2000); 4848 (1999); 4835 (1999); 4600 (1997); 4010 (1993); 3908 (1993); 3405 (1990); 2879 (1985); 2726 (1983); 2704 (1983); 2684 (1983); 2644 (1982); 2509 (1981); 2445 (1980); 2442 (1980); 2345 (1979); 2202 (1978); 1996 (1975)]



SCHEDULE 24 – TIME OF USE GENERAL SERVICE

(1) AVAILABILITY: This schedule (“Schedule”) is designed for non-residential customers who can significantly shift their loads throughout the day. Customers must have an average typical monthly load demand exceeding 500 kW. This Schedule is not available to “New Large Single Loads” as defined in Rate Schedule 37. Such loads shall be served under Rate Schedule 37 - New Large Single Loads.

(2) TYPE OF SERVICE: Sixty hertz alternating current. The District reserves the right of final determination of voltage and phase of service. Where mutually advantageous to the customer and the District, and at the option of the District, service may be metered on the primary side of the District's transformers.

(3) RATE: The monthly billing shall be the greater of: (i) the sum of the Base Charge, Demand Charge and Energy Charge; or, (ii) the Minimum Charge. Charges are calculated on a “per meter” basis. Each retail meter or billing installation shall be individually subject to the below charges. All rates are subject to adjustments pursuant to Rate Schedule 82.

Base Charge per day:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Base Charge	\$0.37 / day	\$0. 57 <u>81</u> / day	\$0.76 <u>1.00</u> / day

Energy Charge per kWh:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
First 30,000 kWh	\$0.0907	\$0.0896	\$0.0885
Over 30,000 kWh (July – March)	\$0.0699	\$0.071 41	\$0.072 52
Over 30,000 kWh (April – June)	\$0.0699	\$0.061 41	\$0.052 52

Demand Charge per kW of Billing Demand:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Billing Demand Up to 100 kW	N/A	N/A	N/A
Billing Demand Over 100 kW	\$8.58	\$10.20 <u>12.32</u>	\$11.83 <u>13.95</u>



Billing Demand shall be equal to the maximum 15-minute demand measured during the hours from 7 A.M. to 11 A.M local time, Monday through Saturday during the billing period.

Minimum Charge:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Daily charge	\$0.54 / day	\$0.74 <u>1.02</u> / day	\$0.93 <u>1.17</u> / day
Additional daily charge for all connected load > 10 kW	\$.02425 per kW/day	\$.02066 per kW/day	\$.01707 per kW/day

(4) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL TERMS OF SERVICE: Service under this schedule is subject to the limitations on liability and other terms and conditions of service defined in the District's electric service regulations and Rate Schedule 82.

(5) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the District.

(6) TRANSFER TO AND FROM OTHER RATE SCHEDULES: If a customer qualifies and elects to be served under a different District rate schedule after having been served under this Rate Schedule 24, and elects to later be served again under this Rate Schedule 24, then: The customer must first pay a surcharge to the District equal to the monthly demand charge under the schedule or schedules the customer is transferring from for each month since the customer was last served under Rate Schedule 24.

(7) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~April 1, 2022~~1~~

[Res. No. ~~XXXX6028~~ (2022~~4~~); History: ~~6028 (2021)~~; 5979 (2020); 5927 (2019); 5806 (2017); 5735 (2015); 5708 (2015); 5639 (2013); 5626 (2013); 5574 (2012); 5553 (2011); 5470 (2009); 5450 (2009); 5440 (2009); 5418 (2009); 5043 (2002); 5011 (2001); 4963 (2000); 4848 (1999); 4835 (1999); 4600 (1997); 4138 (1994); 4089 (1994)]



SCHEDULE 25 – GENERAL SERVICE, SMALL LOAD

(1) AVAILABILITY: This schedule (“Schedule”) is available in all territory served by the District for commercial, industrial, governmental, institutional, agricultural, and multiple residential customers. This Schedule is not available to “New Large Single Loads” as defined in Rate Schedule 37. Such loads shall be served under Rate Schedule 37 - New Large Single Loads.

(2) TYPE OF SERVICE: Service is sixty Hertz alternating current delivered to one point of delivery. The District reserves the right of final determination of voltage and phase of service. Where mutually advantageous to the customer and the District, and at the option of the District, service may be metered on the primary side of the District's transformers.

(3) RATE: The monthly charges shall be the greater of: (i) the sum of the Base Charge and the Energy Charge; or, (ii) the Minimum Charge. Charges are calculated on a “per meter” basis. Each retail meter or billing installation shall be individually subject to the below charges. All rates are subject to adjustments pursuant to Rate Schedule 82.

Base Charge per day:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Base Charge	\$0.37 / day	\$0.46 <u>49</u> / day	\$0.55 <u>58</u> / day

Energy Charge per kWh:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
All kWh	\$0.0907	\$0.0896	\$0.0885

Minimum Charge:

Effective Date	October 1, 2021	January-April 1, 2022	January 1, 2023
Daily charge	\$0.54 / day	\$0.63 <u>70</u> / day	\$0.72 <u>75</u> / day
Additional daily charge for all connected load > 10 kW	\$0.02425 per kW/day	\$0.02066 per kW/day	\$0.01707 per kW/day



(4) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL TERMS OF SERVICE. Service under this Schedule is subject to the limitations on liability and other terms and conditions of service defined in the District's electric service regulations and Rate Schedule 82.

(5) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the District.

(6) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~ April 1, 2022~~1~~

[Res. No. ~~6028-XXXX~~ (2022); History: ~~6028~~ (2021); 5979 (2020); 5927 (2019); 5806 (2017); 5735 (2015); 5708 (2015); 5639 (2013); 5626 (2013); 5574 (2012); 5553 (2011); 5470 (2009); 5450 (2009); 5440 (2009); 5418 (2009); 5043 (2002); 5023 (2001)]



SCHEDULE 36 – LARGE PRIMARY SERVICE

(1) APPLICABILITY; CONTRACT TERM: This schedule (this “Schedule”) is available in all territory served by the PUD for unregulated service to loads with demands exceeding 5,000 kW, upon execution of a primary service contract between the PUD and the Customer (the “Customer Contract”). The term of each Customer Contract will commence on the effective date of such contract and will, unless earlier terminated in accordance with the provisions of this Schedule or under the terms of the Customer Contract, continue until such time as such Customer Contract is terminated by mutual agreement of the PUD and the Customer (such term, including any extensions and renewals thereof, the “Term”).

Service under this Schedule is subject to the terms and conditions of this Schedule, Rate Schedule 82, the Customer Contract and the PUD’s Electric Service Regulations (collectively, the “Customer Service Documents”). All capitalized terms used but not defined herein will have the respective meaning set forth in the Customer Contract or the other Customer Service Documents.

This Schedule does not apply to a “New Large Single Load” as defined in Rate Schedule 37. Such loads will be served by Rate Schedule 37 – New Large Single Loads.

(2) TYPE OF SERVICE: Three-phase, sixty-hertz alternating current at the primary voltage available.

(3) RATE:

- Demand Charge: \$4.~~6638~~ per kW of monthly billing demand
- Energy Charge: 5.~~80~~86 cents per kWh

(4) MINIMUM CHARGE: The monthly minimum will be the minimum charge contracted for, but in no case less than \$8,517.

(5) BILLING DEMAND: The monthly billing demand is subject to adjustment in accordance with Schedule 82, and will be:

- (A) The maximum ~~sixty~~fifteen-minute demand established during the hours from 7 a.m. to 10 p.m. Pacific standard or daylight time as applicable, Monday through Saturday.
- (B) All other hours – no demand charge.

(6) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL TERMS OF SERVICE: SERVICE UNDER THIS RATE SCHEDULE IS SUBJECT TO THE TERMS, CONDITIONS, LIMITATIONS OF LIABILITY, AND ADJUSTMENTS TO RATES AND BILLING DEMANDS SET FORTH IN RATE SCHEDULE 82 – ADJUSTMENTS, TERMS AND CONDITIONS OF SERVICE, AND LIMITATIONS OF LIABILITY.

(7) TRANSFER TO OTHER RATE SCHEDULES: A customer receiving service under this rate schedule whose electric power usage falls below the usage criteria in Section (1) above shall be transferred to another Rate Schedule for which it qualifies as soon as is practical. Upon the expiration of the Term or earlier termination of any of the Customer Service Documents for any reason, the Customer shall, if it requires continued electric service, commence taking service



under the then-applicable retail tariff prescribed by the PUD for firm service to customers in its class; provided, however, that any such service shall be subject to availability.

(8) BPA COST ADJUSTMENT. From time to time the Bonneville Power Administration (“BPA”) adjusts its wholesale power and transmission rates to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~ April 1, 2024

[Res. No. ~~6028-XXXX~~ (2022~~4~~); History: 6028 (2021); 5806 (2017); 5735 (2015); 5708 (2015); 5639 (2013); 5626 (2013); 5574 (2012); 5553 (2011); 5470 (2009); 5450 (2009); 5440 (2009); 5418 (2009); 5043 (2002); 5011 (2001); 4963 (2000); 4848 (1999); 4835 (1999); 4600 (1997); 4010 (1993); 3908 (1993); 3405 (1990); 3386 (1990); 3211 (1988); 2879 (1985); 2726 (1983); 2704 (1983); 2684 (1983); 2644 (1982); 2509 (1981); 2445 (1980); 2442 (1980); 2345 (1979); 2202 (1978); 1996 (1975); 1653 (1970); 1392 (1966); 1371 (1966); 795 (1957)]



SCHEDULE 38 – LARGE 115 kV SERVICE

(1) AVAILABILITY: This schedule is available in all territory served by the PUD for physically unregulated service to loads with demands exceeding 5,000 kW, upon execution of a contract for a term of not less than 5 years.

This rate schedule does not apply to a “New Large Single Load” as defined in Rate Schedule 37. Such loads shall be served by Rate Schedule 37 - New Large Single Loads.

(2) TYPE OF SERVICE: Three-phase, sixty-hertz alternating current at 115 kilovolts.

(3) RATE: The monthly billing shall be the greater of: (i) the sum of the Demand Charge and Energy Charge; or, (ii) the Minimum Charge described in (4) below.

- Demand Charge: \$4.~~03~~²⁹ per kW of monthly billing demand
- Energy Charge: 5.~~80~~⁷⁴ cents per kWh

(4) MINIMUM CHARGE: The monthly minimum shall be the minimum charge contracted for, but in no case less than \$6,083.

(5) BILLING DEMAND: The monthly billing demand is subject to adjustment in accordance with Schedule 82, and shall be:

- (a) The maximum ~~sixty~~^{fifteen}-minute demand established during the hours from 7 a.m. to 10 p.m. standard or daylight time as applicable, Monday through Saturday.
- (b) All other hours - no demand charge.

(6) ADJUSTMENTS, LIMITATIONS OF LIABILITY, AND ADDITIONAL TERMS OF SERVICE: SERVICE UNDER THIS RATE SCHEDULE IS SUBJECT TO THE TERMS, CONDITIONS, AND LIMITATIONS OF LIABILITY, SET FORTH IN THE PUD’S ELECTRIC SERVICE REGULATIONS AND RATE SCHEDULE 82 – ADJUSTMENTS, TERMS AND CONDITIONS OF SERVICE, AND LIMITATIONS OF LIABILITY. THE ABOVE RATES AND BILLING DEMANDS ARE SUBJECT TO RATE SCHEDULE 82 – ADJUSTMENTS, TERMS AND CONDITIONS OF SERVICE, AND LIMITATIONS OF LIABILITY.

(7) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the PUD.

(8) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration (“BPA”) adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~^{April} 1, 2022²⁴

[Res. No. ~~6028-XXXX~~ (2022⁺); History: 6028 (2021); 5806 (2017); 5735 (2015); 5708 (2015); 5639 (2013); 5626 (2013); 5574 (2012); 5553 (2011); 5470 (2009); 5450 (2009); 5440 (2009); 5418 (2009); 5345 (2008)]



STREET LIGHTING RATES

- Schedule 1 Municipal Street Lighting Service
- Schedule 3 Area Lighting Service
- Schedule 4 Municipal Owned and Maintained Street Lighting Service
- Schedule 5 Suburban Street Lighting Service



SCHEDULE 1 – MUNICIPAL STREET LIGHTING SERVICE

(1) AVAILABILITY: This schedule is available to counties and municipalities in all territory served by the PUD for street lighting service upon execution of a Municipal Street Lighting Contract.

This schedule provides for lighting from dusk to dawn for public streets, alleys, thoroughfares, and grounds, installed in accordance with PUD specifications.

(2) MONTHLY RATES:

100 Watts	\$6.10 6.23
200 Watts	\$9.21 9.40
250 Watts	\$10.86 11.09
400 Watts	\$14.94 15.25

All wattages are indicative of lumens as produced by High Pressure Sodium (HPS) lamps. The District may, at its own discretion, utilize alternative lighting technologies that it determines to provide similar lighting attributes.

(3) TERMS OF SERVICE: Service under this schedule is subject to terms as defined in the Contract, the PUD's Electric Service Regulations, and to Schedule 82 which defines the PUD's Adjustments, Terms and Conditions of Service, and Limitations of Liability.

(4) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the PUD.

(5) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~ April 1, 2021 2022

[Res. No. ~~6028-XXXX~~ (2021-2022); History: 6028 (2021); 5941 (2020); 5806 (2017); 5735 (2015); 5639 (2013); 5626 (2013); 5043 (2002); 5011 (2001); 4848 (1999); 4835 (1999); 3405 (1990); 3206 (1988); 2892 (1985); 2531 (1981); 2379 (1980); 2345 (1979); 2202 (1978); 2062 (1976); 1996 (1975); 1737 (1971); 1392 (1966); 1371 (1966); 795 (1957)]



SCHEDULE 3 – AREA LIGHTING SERVICE

(1) AVAILABILITY: This schedule is available in all territory served by the PUD for overhead lighting upon execution of an Area Lighting Service Contract.

This schedule provides for lighting from dusk to dawn on public or private property, installed in accordance with PUD specifications.

(2) RATE: Area Street Lighting Service – ~~27~~28 cents per day

(3) TERMS OF SERVICE: Service under this schedule is subject to terms as defined in the Contract, the PUD's Electric Service Regulations, and to Schedule 82 which defines the PUD's Adjustments, Terms and Conditions of Service, and Limitations of Liability.

(4) TAX ADDITIONS: The above rate is subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the PUD.

(5) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~April 1, 2021~~2022~~

[Res. No. ~~6028-XXXX~~ (2021~~2022~~); History: 6028 (~~2021~~); 5806 (2017); 5735 (2015); 5639 (2013); 5626 (2013); 5043 (2002); 5011 (2001); 4848 (1999); 4835 (1999) 3405 (1990); 3206 (1988); 2892 (1985); 2644 (1982); 2531 (1981); 2345 (1979); 2202 (1978); 1996 (1975); 1392 (1966); 1371 (1966); 795 (1957)]



SCHEDULE 4 – MUNICIPAL OWNED AND MAINTAINED STREET LIGHTING SERVICE

(1) AVAILABILITY: This schedule is available to counties and municipalities in all territory served by the PUD for municipally owned and maintained street lighting service upon execution of a Municipally Owned and Maintained Street Lighting Contract.

(2) MONTHLY RATES:

Schedule 4 – HIGH PRESSURE SODIUM LAMPS (HPS)

100 Watts	\$4. 46 <u>55</u>
150 Watts	\$5. 77 <u>89</u>
200 Watts	\$ 7.89 <u>8.06</u>
250 Watts	\$10. 63 <u>85</u>
400 Watts	\$16. 36 <u>70</u>

Schedule 4 – LIGHT EMITTING DIODES (LEDs)

0 - 20 Watts	\$0. 67 <u>68</u>
20.01 - 40 Watts	\$1. 35 <u>38</u>
40.01 - 60 Watts	\$2. 02 <u>06</u>
60.01 - 80 Watts	\$2. 69 <u>75</u>
80.01 - 100 Watts	\$3. 38 <u>45</u>
100.01 - 120 Watts	\$4. 05 <u>14</u>
120.01 - 140 Watts	\$4. 72 <u>82</u>
140.01 - 160 Watts	\$5. 40 <u>51</u>
160.01 - 180 Watts	\$6. 07 <u>20</u>
180.01 - 200 Watts	\$6. 75 <u>89</u>
200.01 - 220 Watts	\$7. 42 <u>58</u>
220.01 - 240 Watts	\$8. 09 <u>26</u>
240.01 - 260 Watts	\$8. 43 <u>61</u>
260.01 - 280 Watts	\$9. 44 <u>64</u>
280.01 - 300 Watts	\$10. 12 <u>33</u>

(3) TERMS OF SERVICE: Service under this schedule is subject to terms as defined in the Contract, the PUD's Electric Service Regulations, and to Schedule 82 which defines the PUD's Adjustments, Terms and Conditions of Service, and Limitations of Liability.

(4) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the PUD.



(5) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration (“BPA”) adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~ April 1, 2021~~2022~~

[Res. No. ~~6028-XXXX~~ (2022+); History: ~~6028 (2021)~~; 5941 (2020); 5806 (2017); 5626 (2016); 5735 (2015); 5626 (2015); 5626 (2014); 5639 (2013); 5626 (2013); 5043 (2002); 5011 (2001); 4848 (1999); 4835 (1999), 3405 (1990); 3168 (1988)]



SCHEDULE 5 – SUBURBAN STREET LIGHTING SERVICE

(1) APPLICABILITY: This schedule applies to Customers having metered electric services that are located within a Suburban Street Lighting Service Area established by Public Utility PUD No. 1 of Snohomish County. Customers that have financial responsibility for metered electric service, shall be charged for street lighting service under the provisions of this schedule.

(2) SERVICE PROVIDED: This schedule sets forth the rates charged by the PUD for the service of providing local area lighting from dusk to dawn for streets, alleys, thoroughfares, and grounds, as approved by the PUD and installed in accordance with PUD specifications. As this service is local in nature, the PUD does not undertake to provide this service at large or to the public generally. Current PUD policy also excludes all areas within incorporated cities.

(3) SUBURBAN STREET LIGHTING SERVICE UNIT: A Suburban Street Lighting Service Unit is the unit of lighting service provided under this schedule, based upon the currently most just, fair and reasonable approximation of quantifying this service in consideration of its nature. Responsibility for metered electric service located within a Suburban Street Lighting Service Area shall include one or more Suburban Street Lighting Service Units per month as described below in this paragraph (3).

Metered Electric Service Within a Suburban Street Lighting Service Area Provides Electricity to	Number of Suburban Street Lighting Service Units Charged per Month
Single Family Residence.	1 Unit
Dwelling Unit within a Multi-Family Residence. (For example: an apartment, an individual unit in a condominium, duplex or triplex).	1 Unit
Accessory Areas associated with Multi-Family Dwellings. Metered electric service to areas not used as a dwelling unit (For example: hallway lighting, laundry rooms, recreation rooms, other common areas, offices, supply rooms, maintenance shops, grounds and parking areas).	1 Unit per metered electric service
Other Dwellings and Abodes. (For example: Boats, Trailers, RV's).	1 Unit
All Other Uses.	1 Unit per metered electric service



Where a residential customer is financially responsible for more than one metered electric service located on a single property and one of the services provides electricity to a single family residence, other dwelling or an abode as described above, that customer shall be charged one (1) unit per month for each single family residence, and any other dwelling or abode served and shall not be charged additional Suburban Street Lighting Service Units for any metered electric services providing electricity to systems supporting the same single family residence (for example water and septic systems), or to associated outbuildings such as garages, sheds and barns not used for commercial or business purposes.

The PUD shall determine, at its sole discretion but subject to this schedule, whether or not a metered electric service located within the Suburban Street Lighting Service Area is subject to a Suburban Street Lighting Service Unit charge.

(4) MONTHLY RATES: One (1) Suburban Street Lighting Service Unit – \$1.~~86~~90 per month.

(5) TERMS OF SERVICE: Service under this schedule is subject to terms as defined in the Contract, the PUD's Electric Service Regulations, and to Schedule 82 which defines the PUD's Adjustments, Terms and Conditions of Service, and Limitations of Liability.

(6) TAX ADDITIONS: The above rates are subject to proportional increases to compensate for any gross revenue tax imposed by any municipal body or other governmental body having jurisdiction upon the PUD.

(7) BPA COST ADJUSTMENT: From time to time the Bonneville Power Administration ("BPA") adjusts its wholesale power and transmission rate to the PUD. At the discretion of the Commission, the rates in this Schedule may be adjusted to reflect BPA rate adjustments, either up or down, on the same date the BPA rate changes become effective. The adjusted rate will be developed by incorporating the BPA cost change into the Electric Cost of Service Model and rate design policies adopted by the Commission in the most recent rate proceeding.

Effective Date: ~~October~~April 1, 202~~2~~1

[Res. No. ~~6028-XXXX~~ (202~~2~~1); History: ~~6028~~ (202~~1~~1); 5806 (2017); 5735 (2015); 5639 (2013); 5626 (2013); 5192 (2004)]

2022 Cost of Service Analysis & Rate Adjustment Recommendations

*Previously Presented on
January 4th, 2022*

*Brian Booth, Senior Manager
Felicien Ng, Principal Utility Economist
Rates, Economics, & Energy Risk Management*

Overview

- ❑ Background
- ❑ Rate Pressures and Mitigation
- ❑ What's changed since the last COSA?
- ❑ Cost Allocation
- ❑ Results
- ❑ Recommended Rate Adjustments
- ❑ Bill Impact
- ❑ Future Rates Outlook

Background

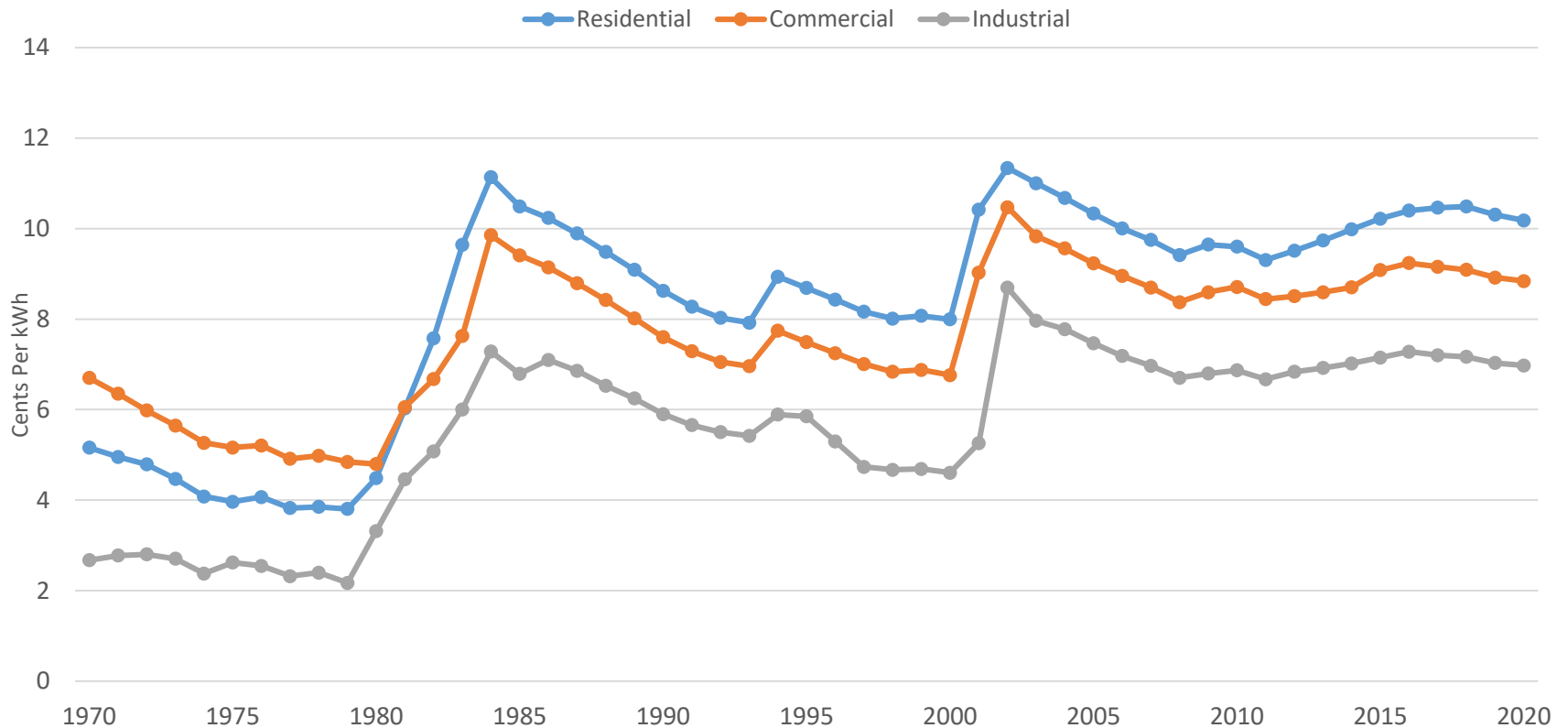
- ❑ Board policy direction has been to prudently manage costs and revenues to minimize general rate increases to the extent possible.
- ❑ The 2022 Budget and forecast presented to the Board demonstrated a need for a 2.1% General Rate increase effective April 1, 2022.
- ❑ 2017 increase ranged from 1.5 – 3.9 percent by rate class

2017 COSA Results		Option 1	Option 2	Option 3
Residential	11.3%	5.0%	3.9%	2.9%
General Service (Sch. 20 – 25)	-10.6%	0%	1.5%	2.9%
Large Service (Sch. 36)	-1.8%	0%	1.5%	2.9%
Street Lighting	32.7%*	0%	2.9%	2.9%
Overall System	2.9%	2.9%	2.9%	2.9%

*Ongoing LED conversion project; projected lower future operating costs

Historical Perspective

Average Retail Rates Corrected for Inflation
(In 2021 Dollars, cents per kWh)



Rate Pressures and Mitigations

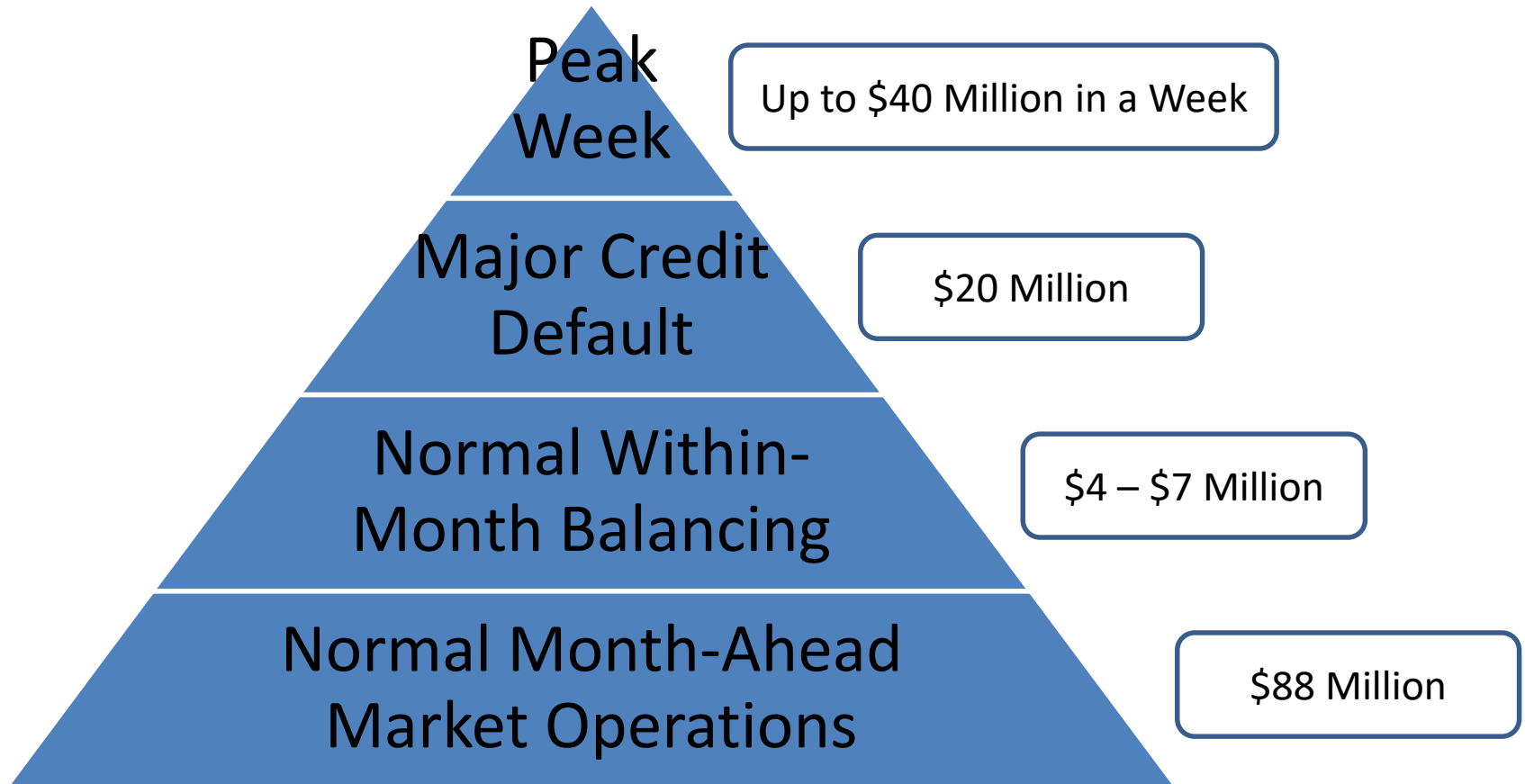
Rate Pressures:

- Investment in Capital Expansion and Upgrade projects such as Sky Valley Switching Station, Stanwood to Camano 115kV Line, Twin City Substation, etc.
- North County Community Office Facilities
- Higher wholesale power market purchases and reserve levels due to high prices and uncertainty
- Rising costs and supply chain issues

Mitigations:

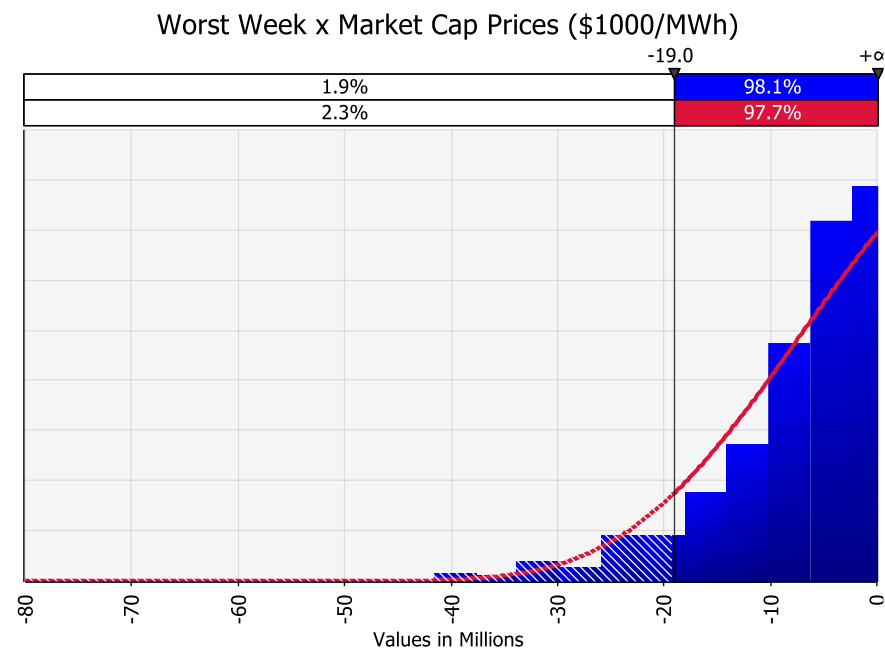
- Wholesale energy sales could increase due to higher volumes and prices
- Continued use of reserve funds
- Bonding continues to be used to finance qualified capital projects
- Long-term benefits of ConnectUp
- The District has reduced costs where possible - continuing the legacy of prudent cost management

Market Volatility Risk Profile



Worst Week at Maximum Prices

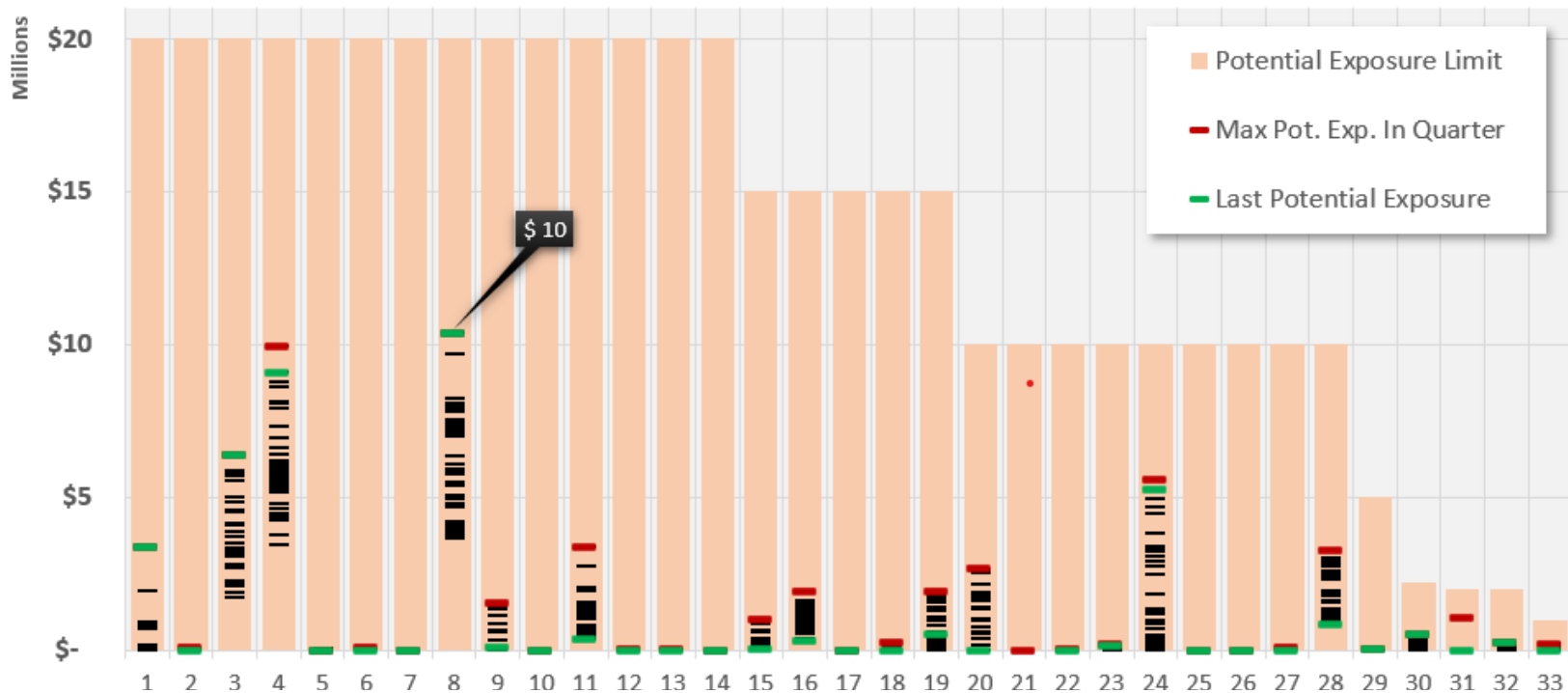
Year	Week	Net Position (over Week, MWh)	Calculated Purchases @Peak Prices
1955	46	-41,607	-\$41,606,938
1955	9	-41,142	-\$41,142,298
1952	48	-39,115	-\$39,115,330
1955	10	-38,079	-\$38,079,130
2008	51	-36,083	-\$36,082,694
1950	3	-34,326	-\$34,326,393
1985	48	-34,017	-\$34,016,928
1985	47	-32,142	-\$32,142,321
1955	11	-31,852	-\$31,851,804



Assuming worst-case market conditions, 1955 would have incurred over \$150 million in market purchases to serve 4 weeks

Counterparty Default

Potential Exposure over Q

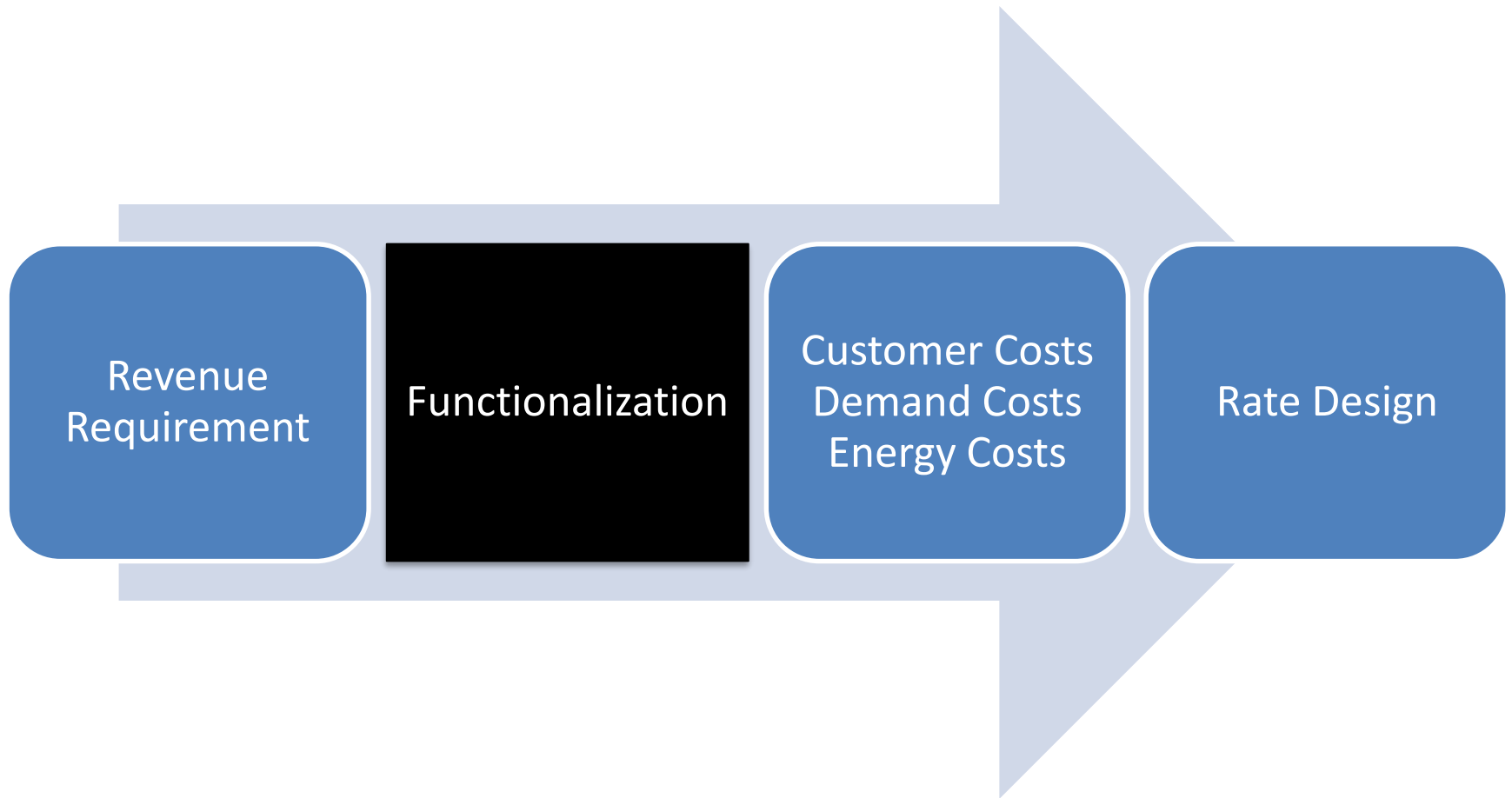


New Cost of Service Analysis

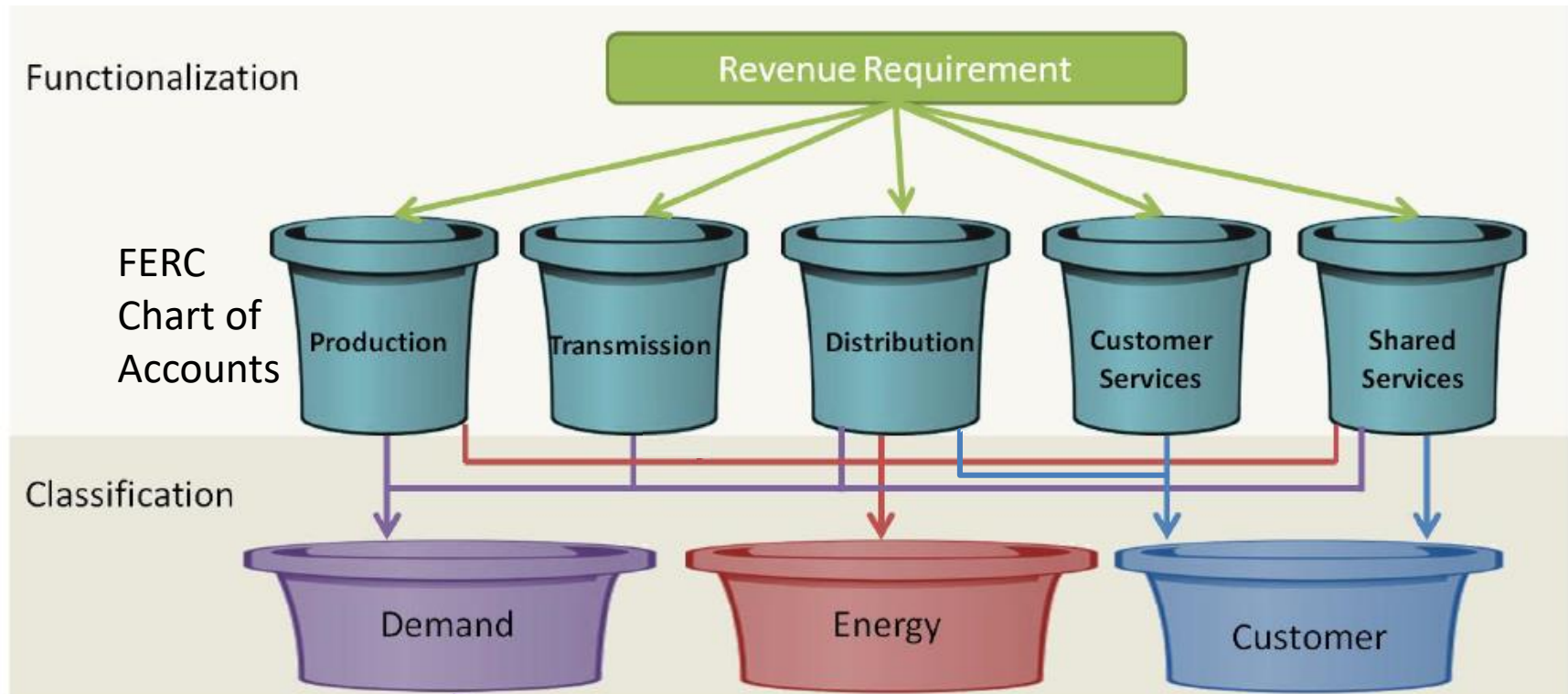
❑ Contracted FCS to rebuild old COSA model

- ❑ Allows for the addition of *many* new rates classes
- ❑ Has allowed staff to view commercial rate classes individually rather than as a whole
- ❑ Further provides a multiyear outlook rather than a “snapshot” single-year view

Cost Allocation



Functionalization



Functionalization Cont.

A mix of strategies to allocate a mix of expenses

❑ Plant is allocated based on type:

- ❑ Generation is part capacity, part energy
- ❑ Transmission is capacity
- ❑ Distribution is allocated by rate class voltage
 - ❑ Part fixed, Part capacity

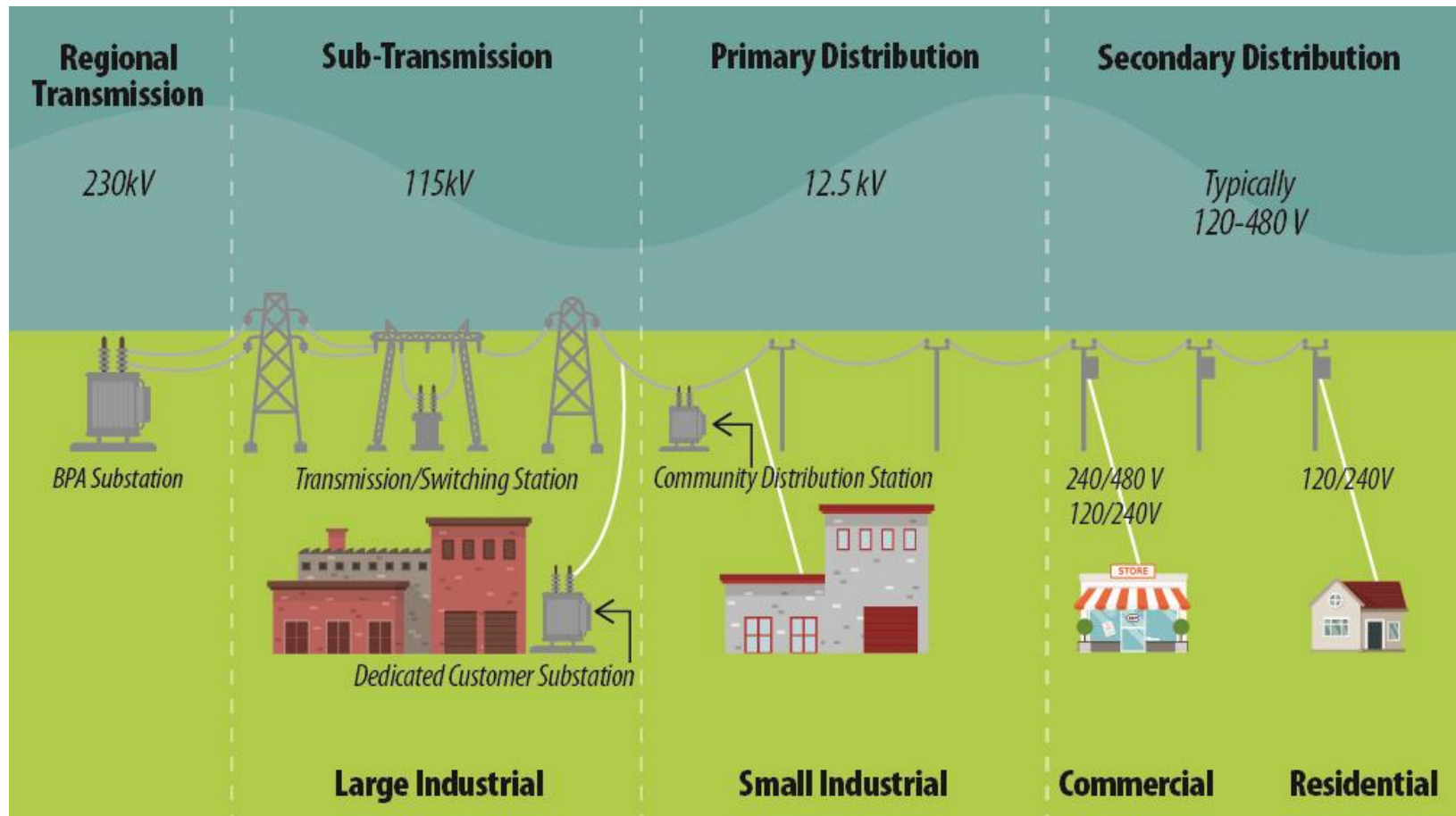


❑ Administrative & General is Allocated by Purpose

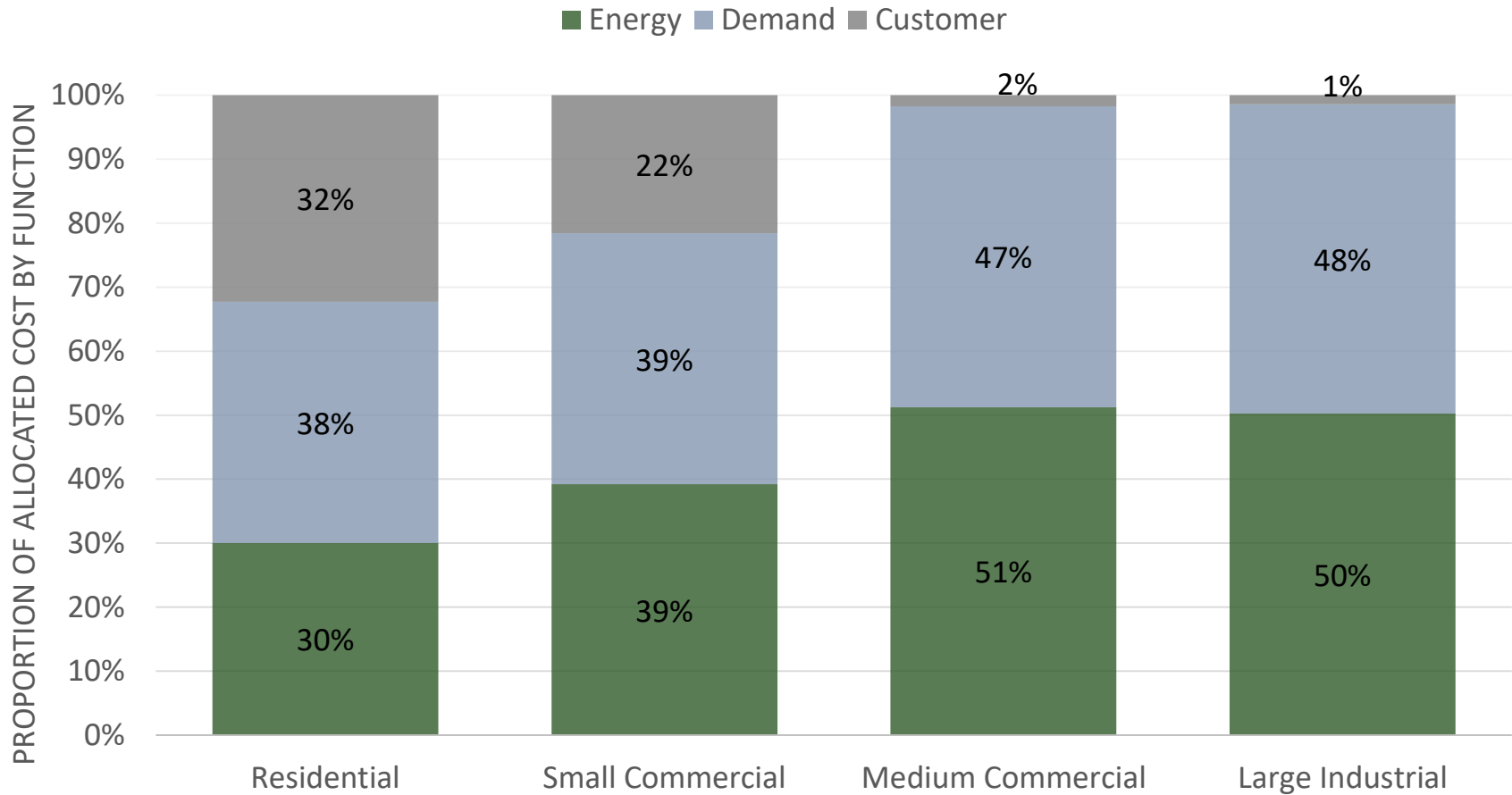
❑ Weighting Where Appropriate

- ❑ Larger customers take more time, money to serve and administer

How We Assign Distribution Costs



Functionalization by Rate Class



COSA Results & Recommendation

	Current Revenue	Cost of Service	COSA Increase	Proposed Increase
Residential (Sch. 7)	\$386.4M	\$429.5M	11.2%	2.99%
Medium General Service (Sch. 20)	\$133.8M	\$106.3M	-20.5%	0.4%
Special Continuous Service ¹ (Sch. 23)	\$727K	\$1,231K	69.2%	5.9%
Time of Use (Sch. 24) (Legacy)	\$66K	\$70K	6.4%	2.1%
Small General Service (Sch. 25)	\$66.7M	\$61.7M	-7.5%	0.4%
Large Primary (Sch. 36)	\$30M	\$31M	3.1%	2.1%
Street Lighting (Sch. 1,3,4,5)	\$3.7M	\$4.7M ²	27.1% ²	2.1%
Overall	\$622.4M	\$634.4M	2.1%	2.1%

1. Unmetered service (pole attachments, cable TV amplifiers). One customer represents 67% of this rate class.
2. Lagging benefits of LED conversion not yet fully apparent in financial statements

Residential Rates (Sch. 7)

2.99% is the exact impact of introducing the Base Charge while keeping the Energy Charge unchanged.

- VERY easy messaging: everybody's bill is going up roughly \$2.50 - \$3.00 per month
- No "bell curve" of impacts to consider
- Steady energy rate means no impacts to the investment value of EE and solar

Effective Date	Small (\$/Day)	Medium	Large	Extra Large	Minimum Bill (\$/Day)	All kWh (\$/kWh)
Today's Rates	NA	NA	NA	NA	\$0.53	\$0.10470
April 1, 2022	\$0.08	\$0.10	\$0.11	\$0.16	\$0.53	\$0.10174 \$0.10470
April 1, 2023	\$0.16	\$0.19	\$0.22	\$0.32	\$0.53	\$0.09878 \$0.10174
April 1, 2024	\$0.24	\$0.29	\$0.34	\$0.48	\$0.53	\$0.09583 \$0.09878
April 1, 2025	\$0.32	\$0.38	\$0.45	\$0.64	\$0.53	\$0.09287 \$0.09583
April 1, 2026	\$0.40	\$0.48	\$0.56	\$0.80	NA	\$0.08991 \$0.09287

Small General Service (Sch. 25)

- ❑ New COSA model supports continued increases to the Base Charge
 - ❑ Energy rate continues to be above cost of service
 - ❑ Existing minimum kW charge is adequate
- ❑ VERY easy messaging: everybody's bill is going up 90 cents per month
- ❑ No "bell curve" of impacts to consider

Effective Date	Base Charge	All kWh	Minimum Bill \$/Day + \$/kW/Day	
April 1, 2022	\$0.46 \$0.49	\$0.0896	\$0.63 \$0.70	\$0.02066
Jan 1, 2023	\$0.55 \$0.58	\$0.0885	\$0.72 \$0.75	\$0.01707

Medium General Service (Sch. 20)

- ❑ Large commercial and industrial customers. Average monthly bill is over \$20k
- ❑ New COSA model supports continued increases to the Base Charge
 - ❑ Energy rate continues to be above cost of service
 - ❑ Demand and Minimum kW charges are adequate
- ❑ Increases to the Base Charge are proportionately large but pale compared the typical Schedule 20 bill. The *most* impacted customer would see a 2.4% increase and that customer is *not* highly impacted by the rate redesign effort

Effective Date	Base Charge	1st 30,000 kWh	kWh >30,000	Demand (>100kW)	Minimum Bill \$/Day + \$/kW/Day	
April 1, 2022	\$0.57 \$0.81	\$0.0896	\$0.0711 (-1c)* \$0.0714 (-1c)*	\$5.95	\$0.74 \$1.02	\$0.02066
Jan 1, 2023	\$0.76 \$1.00	\$0.0885	\$0.0722 (-2c)* \$0.0725 (-2c)*	\$6.66	\$0.93 \$1.17	\$0.01707

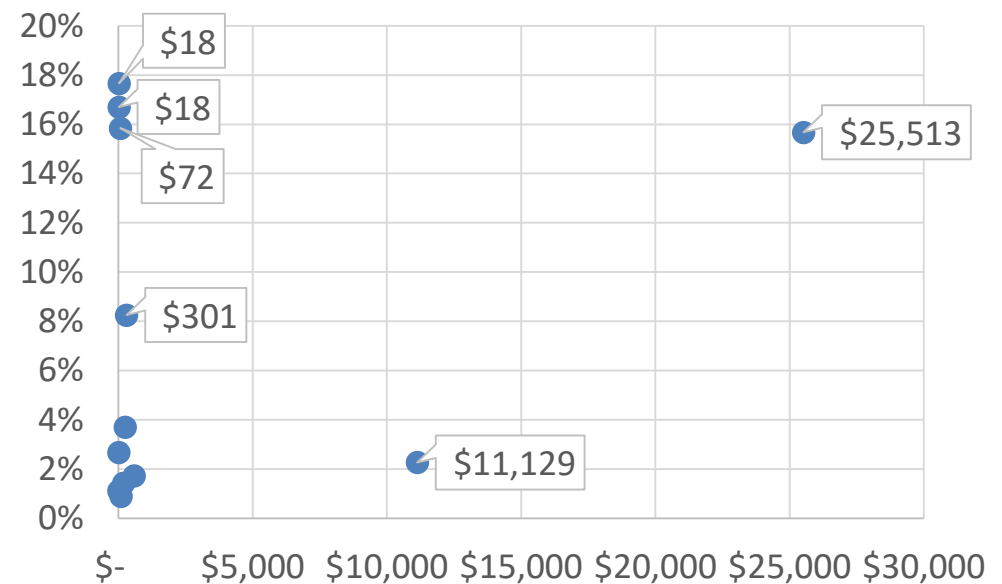
*Spring Discount
Effective April - June

Unmetered Service (Sch. 23)

- ❑ Sch. 23 serves pole attachments such as cable TV amplifiers with the largest two customers representing 67 and 22 percent of annual revenues.
- ❑ COSA supports higher Base Charge
- ❑ Recommend aligning kWh charge with Sch. 25

Base Charge	All kWh
\$0.28 \$0.33	\$0.0902 \$0.0885

Annual Change in Sch. 23 Bills



Large Primary Service (Sch. 36)

- ❑ Serves the six largest commercial and industrial customers.
- ❑ New COSA model supports continued increases to the Demand Charge
 - ❑ Energy rate continues to be above cost of service
 - ❑ Staff *would* recommend building the entire rate increase into the demand charge if not for one customer who would be adversely impacted.
- ❑ Staff recommends changing Schedule 36 demand intervals from 1-hour to 15-minutes.
 - ❑ Aligns with other rate schedules; no justification exists for these to be different
 - ❑ Significant time savings as SAP is transitioned to support interval billing, ConnectUp

Effective Date	All kWh	All Demand
April 1, 2022	\$0.0580 \$0.0586	\$4.38 \$4.66 /kW

Bill Impacts

	<u>Sch. 7</u>	<u>Sch. 20</u>	<u>Sch. 23</u>	<u>Sch. 24</u>	<u>Sch. 25</u>	<u>Sch. 36</u>
PROPOSED INCREASE	2.99%	0.4%	5.9%	2.1%	0.4%	2.1%

ANNUAL BILLS

<i>At Current Avg Rates</i>						
Average Customer	\$1,189	\$21,469	\$150	\$60,984	\$970	\$7,049,355
Low User	\$724	\$4,294	\$50	\$43,560	\$97	\$1,409,871
High User	\$1,552	\$85,875	\$800	\$78,408	\$7,760	\$35,246,776
<i>At New Rates</i>						
Average Customer	\$1,225	\$21,555	\$159	\$62,265	\$974	\$7,197,392
Low User	\$746	\$4,311	\$53	\$44,475	\$97	\$1,439,478
High User	\$1,598	\$86,218	\$847	\$80,055	\$7,791	\$35,986,958

MONTHLY BILL IMPACT

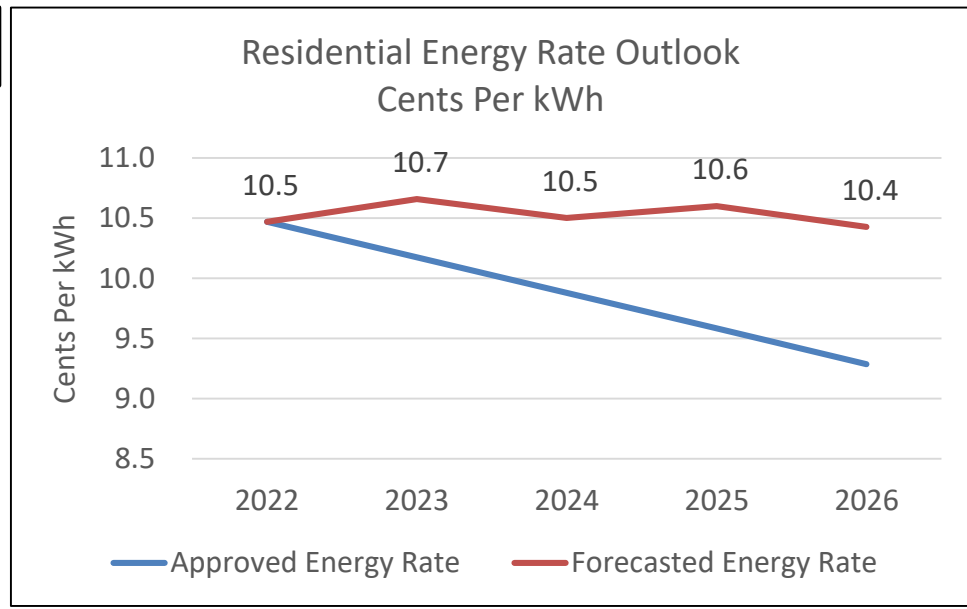
Average Customer	\$3	\$7	\$1	\$107	\$0	\$12,336
Low User	\$2	\$1	\$0	\$76	\$0	\$2,467
High User	\$4	\$29	\$4	\$137	\$3	\$61,682

Residential Rates Outlook

- ❑ Solar installers have requested a forecast of residential rates to assist their communications.
- ❑ Current rate schedules show ongoing decreases to energy rate; not reflective of likely reality.
- ❑ All numbers below are predictions based on currently-available information. Nothing is official until approved by the commission.
- ❑ Expect that rates will roughly track with inflation beyond 2026.

Best-Guess Estimates

Budget Year	General Increase	BPA Pass-through
2022	2.1%	
2023	2.0%	2.7%
2024	1.5%	
2025	1.5%	2.5%
2026	1.5%	



Next Steps

- ❑ January 18th - Commission Consideration
- ❑ Communications
- ❑ April 1 - Implementation

Questions?

Appendixes

Time of Use Service (Sch. 24)

- ❑ Schedule 24 serves a single customer and is no longer open to new entrants
- ❑ Recommended changes are reflective of similar changes in Schedule 20

Effective Date	Base Charge	1st 30,000 kWh	kWh >30,000	Demand ² (>100kW)	Minimum Bill \$/Day + \$/kW/Day
April 1, 2022	\$0.57 \$0.81	\$0.0896	\$0.0711 (-1c)¹ \$0.0714 (-1c) ¹	\$10.20 \$12.32	\$0.74 \$1.02 \$0.02066
Jan 1, 2023	\$0.76 \$1.00	\$0.0885	\$0.0722 (-2c)¹ \$0.0725 (-2c) ¹	\$11.83 \$13.95	\$0.93 \$1.17 \$0.01707

¹Spring Discount Effective April – June

²Demand only measured 7AM – 11AM

3rd-Party EV Fast Chargers (Schedule 20EV)

Year	Base Charge	First 30,000 kWh	All Other kWh	Spring Discount	Demand (> 100kW)
April, 2022	\$0.57 \$0.81	\$0.0896	\$0.0875 \$0.0878	\$0.002	\$0.58 \$0.60/kW
2023	\$0.76 \$1.00	\$0.0885	\$0.0850 \$0.0853	\$0.004	\$1.31 \$1.33/kW
2024	\$0.76 \$1.00	\$0.0885	\$0.0834 \$0.0837	\$0.006	\$1.97 \$2.00/kW
2025	\$0.76 \$1.00	\$0.0885	\$0.0818 \$0.0821	\$0.008	\$2.62 \$2.66/kW
2026	\$0.76 \$1.00	\$0.0885	\$0.0802 \$0.0805	\$0.010	\$3.28 \$3.33/kW
2027	\$0.76 \$1.00	\$0.0885	\$0.0785 \$0.0789	\$0.012	\$3.93 \$4.00/kW
2028	\$0.76 \$1.00	\$0.0885	\$0.0769 \$0.0773	\$0.014	\$4.59 \$4.66/kW
2029	\$0.76 \$1.00	\$0.0885	\$0.0753 \$0.0757	\$0.016	\$5.24 \$5.33/kW
2030	\$0.76 \$1.00	\$0.0885	\$0.0737 \$0.0741	\$0.018	\$5.90 \$5.99/kW
2031	\$0.76 \$1.00	\$0.0885	\$0.0721 \$0.0725	\$0.020	\$6.55 \$6.66/kW

Sch. 20



BUSINESS OF THE COMMISSION

Meeting Date: January 18, 2022

Agenda Item: 4B

TITLE

Consideration of a Resolution Amending the District's Pilot Rate Schedule "Supplemental Rate for Voluntary Bundled Renewable Energy" to Become Rate Schedule 81 "Supplemental Rates for Voluntary Bundled Renewable or Non-Emitting Energy"

SUBMITTED FOR: Public Hearing and Action

<u>Rates, Economics, and Energy Risk Mgmt</u>	<u>Brian Booth</u>	<u>8286</u>
<i>Department</i>	<i>Contact</i>	<i>Extension</i>
Date of Previous Briefing:	<u>01/04/2022</u>	
Estimated Expenditure:		Presentation Planned <input type="checkbox"/>

ACTION REQUIRED:

- | | | |
|---|-------------------------------------|--|
| <input type="checkbox"/> Decision Preparation | <input type="checkbox"/> Incidental | <input type="checkbox"/> Monitoring Report |
| <input type="checkbox"/> Policy Discussion | (Information) | |
| <input checked="" type="checkbox"/> Policy Decision | | |
| <input checked="" type="checkbox"/> Statutory | | |

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.

Since 2001, RCW Chapter 19.29A.090 has mandated that all retail electric utilities in the State of Washington, including Public Utility District No. 1 of Snohomish County ("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 energy; (c) geothermal energy; (d) landfill gas; (e) wave or tidal action; (f) gas produced during the treatment of wastewater; (g) qualified hydropower ((a) existing hydro that received upgrades after 1998 that reduce impacts to fish, or (b) run of the river hydro with no fish passage issues); or (h) biomass energy.

The District initially established its "Planet Power" program to satisfy this requirement, under which all customers could purchase qualified alternative energy resources through the purchase of Renewable Energy Credits ("RECs"), or "Green Tags." In 2008, the District revised its voluntary

programs in response to significant changes in the electricity markets, the availability of RECs, the regulatory requirements on utilities for purchasing renewable resources, and the economic viability of renewable energy technologies. In Resolution No. 5387, passed on October 1, 2008, the District modified the existing program in Schedule 80 by limiting the REC-based resource offering to non-residential customers, and retitling it the “Green Blocks” Renewable Energy program, and the District adopted a new program in Schedule 81 under the title “Planet Power,” under which all customers can enroll in a plan to contribute on a monthly or one-time basis to the development of small-scale and experimental renewable energy projects within the District’s service area.

In 2019, the District offered a “Community Solar” program under which any customer could fund a limited portion of the solar array constructed at the Arlington microgrid site in exchange for credits on their bill. This program was fully subscribed.

On June 27th, 2017, the Edmonds City Council signed amended Resolution 1389: “A Resolution of the City Council of the City of Edmonds committing to achieve or exceed at the local level the goals established in the Paris Climate Accord.” Within that resolution, the City established goals of serving all municipal facilities with 100% renewable energy by 2019 and serving the entire community’s electricity supply with 100% renewables by 2025. The City communicated to the PUD a desire for renewable electricity that was both delivered to the District in real-time and also included any associated RECs.

On January 1, 2019 the PUD enacted and later extended a pilot rate schedule to serve Edmonds with 100% renewable energy using a mix of hydro, wind, and other renewable resources available to the District. This limited pilot rate schedule was initially made available only to the City of Edmonds and was later expanded to be available to all governmental entities. Since the creation of this pilot rate schedule, another governmental entity has expressed interest in a similarly structured non-emitting rate. Given the success of the pilot, the expanded interest, and the District’s sufficient capacity to meet additional load, District staff recommends amending the pilot rate schedule as described in the attachments herein. Of particular note, the amended rate schedule would now expire on December 31, 2019, and includes an additional category of resources the enrolled participating customer can purchase named “non-emitting.” These resources include renewable resources, nuclear, and other generally accepted non-renewable, non-emitting technologies.

List Attachments:

Resolution

Exhibit A – Redlined Pilot Rate Schedule – Supplemental Rate for Voluntary Bundled Renewable Energy

Presentation – Presented January 4, 2022

RESOLUTION NO. _____

A RESOLUTION Amending the District’s Pilot Rate Schedule “Supplemental Rate for Voluntary Bundled Renewable Energy” to Become Rate Schedule 81 “Supplemental Rates for Voluntary Bundled Renewable or Non-Emitting Energy”

WHEREAS, state law has required since 2001 that all retail electric utilities in the State of Washington, including Public Utility District No. 1 of Snohomish County (“the District”), offer their retail electric customers a voluntary option to purchase qualified alternative energy resources; and

WHEREAS, the District currently offers the “Carbon Solutions” program set forth in Rate Schedule 80, under which any customer can purchase qualified alternative energy resources in the form of Renewable Energy Credits (“RECs”), on a recurring basis; and

WHEREAS, the City of Edmonds (“City”) committed to power its municipal facilities with 100% renewable energy beginning in 2019 and requested that the District meet its needs with bundled renewable electricity consisting of both electricity delivered to the District’s system and the RECs associated with that electricity; and

WHEREAS, by Resolution No. 5885, the District created a 1-year pilot rate schedule that would meet the City’s needs with renewable energy produced by local low-impact hydro resources starting on January 1, 2019; and

WHEREAS, by Resolution No. 5938, the District extended the pilot rate schedule duration and expanded the eligible participants to all governmental entities; and

WHEREAS, the pilot rate schedule has successfully met the needs of both the District and the City; and

WHEREAS, since inception of the pilot rate schedule, another governmental entity has expressed interest in a similarly-structured non-emitting rate; and

WHEREAS, District staff have determined that it has adequate capacity to serve the City and other additional governmental entities and recommends amending the pilot rate schedule to become Rate Schedule 81 that expires on December 31, 2029; and

WHEREAS, District staff have developed a new non-emitting rate option they recommend to add to the pilot rate schedule using methodologies consistent with the 100% renewable rate in the pilot rate schedule; and

WHEREAS, District staff have reviewed the assumptions and calculations developed for the pilot rate schedule and recommend that the rate in the rate schedule be adjusted to fund the costs incurred by the District in service of the rate schedule; and

WHEREAS, a properly noticed meeting to consider the proposed recommendations was held on January 4, 2022, and a public hearing was held on January 18, 2022, during which an opportunity to provide testimony was provided; and

WHEREAS, the Board of Commissioners, having reviewed and considered information, testimony and evaluations presented and received at its public meeting and hearing, has determined that it would be in the best interest of the District and its electric utility customers to amend the pilot rate schedule as recommended by District staff.

NOW, THEREFORE, BE IT RESOLVED that the Commission of Public Utility District No.1 of Snohomish County hereby amends the pilot rate schedule “Supplemental Rate for Voluntary Bundled Renewable Energy” to become Rate Schedule 81 “Supplemental Rates for Voluntary Bundled Renewable or Non-Emitting Energy” in the form attached hereto as Exhibit A and incorporated by this reference, effective on January 18, 2022.

Resolution No. _____

- 3 -

PASSED AND APPROVED this 18th day of January, 2022.

President

Vice-President

Secretary



**~~PILOT~~ RATE SCHEDULE 81 --- SUPPLEMENTAL RATE FOR
VOLUNTARY BUNDLED RENEWABLE OR NON-EMITTING ENERGY**

(1) **AVAILABILITY.** This schedule is available to governmental entities in all territory served by the PUD ("Participating Customers").

(2) **DURATION.** January 1, 2019, through December 31, 2029~~1~~. All kWh consumed by the enrolled Participating Customers during this period will be billed under this rate schedule.

(3) **RENEWABLE AND NON-EMITTING ENERGY RESOURCES.** This voluntary schedule provides Participating Customers with the option to purchase 100 percent of their District-supplied electricity from either local or regional renewable OR non-emitting generating resources. These Renewable resources include hydro, wind, solar, biomass, geothermal, landfill gas, gas produced from wastewater treatment, wave action, or other generally accepted renewable technologies. Non-emitting resources include renewable resources, nuclear, and other generally accepted non-renewable, non-emitting technologies.

(4) **ENROLLMENT.** Enrollment for service under this schedule shall commence, as available, on the 1st of the every month and may be limited based on the availability of renewable and non-emitting energy. Enrolled P-will end on December 31, 2019. Participating Customers shall remain enrolled for no less than in annual increments one year and shall be automatically re-enrolled unless written notice is provided 90 days prior to the re-enrollment period.

(5) **RATE.** The District shall bill enrolled Participating Customers in accordance with the rate schedule(s) under which the enrolled Participating Customers are currently served, plus an additional energy charge of:

Renewable Energy: 0.0244-0.3853 cents per kWh

Non-Emitting Energy: 0.1175 cents per kWh

(6) GENERAL PROVISIONS.

- a) Base rates and other terms of electric service shall be governed by the rate schedule under which the enrolled Participating Customers take basic electric service.
- b) The District will acquire an amount of renewable or non-emitting energy equal to the portion of the enrolled Participating Customers' District-



supplied electricity that the District would otherwise serve from sources other than those described in section 3. The District shall calculate such quantity as the ~~enrolled~~ ~~P~~Participating ~~e~~Customers' annual electricity consumption in megawatt hours multiplied by 100 percent minus:

- i. The percentage of the District's load served by depending on the Customer's election, renewable or non-emitting generating resources, as described in Section 3, according to the two most recent publications of the Washington State fuel mix.
- ii. The percentage of the District's load served by bundled renewable generating resources not included in the fuel mix.
- c) ~~Incremental R~~renewable or non-emitting energy the District will acquire for this rate schedule will be from local or regional renewable generating sources during the year of, prior, or subsequent to the ~~enrolled~~ Participating Customers' consumption of ~~renewable~~ energy provided under this rate schedule and will include renewable energy credits ("RECs") or other accreditation. -The District shall certify such resources by state or national accreditation entities and retire all associated RECs in accordance with section 6(d).
- d) The District shall, on behalf of the ~~enrolled~~ Participating Customers, retire all RECs associated with this rate schedule other than those described in section 6(b), subsections (i) and (ii), by transferring them to its Western Renewable Energy Generation Information System (WREGIS) retirement account dedicated to voluntary renewable programs.
- e) The actual electricity and reliability of service delivered by the District under this schedule will be indistinguishable from the electricity and reliability of service otherwise supplied by the District.

Effective Date: January 18, 2022~~0~~

Renewable Rate Pilot

Presented by Brian Booth, Senior Manager
Rates, Economics, & Energy Risk Management
Previously Presented on January 4, 2022

Background

- ▶ June 6, 2017: City of Edmonds Mayor signs the U.S. Mayors National Climate Action Agenda.
- ▶ June 27, 2017: Edmonds City Council signs amended Resolution 1389: “A Resolution of the City Council of the City of Edmonds committing to achieve or exceed at the local level the goals established in the Paris Climate Accord.”

“WHEREAS, it is imperative that energy consumers and the utilities serving them take early action to reduce carbon emissions given the accelerating rate climate change the planet is experiencing, and shifting to 100% of electricity from renewable sources by 2025 is within reach; and.....”

- Section 6: The City establishes the following renewable energy goals for both municipal facilities and for the City at large:
 - i. 100% renewable energy for municipal facilities by 2019; and,
 - ii. 100% renewable energy for the City’s community electricity supply by 2025.
- ▶ Edmonds is the first city in Washington state to commit to the Sierra Club’s Ready For 100 Initiative. The City is 37th city in the country.

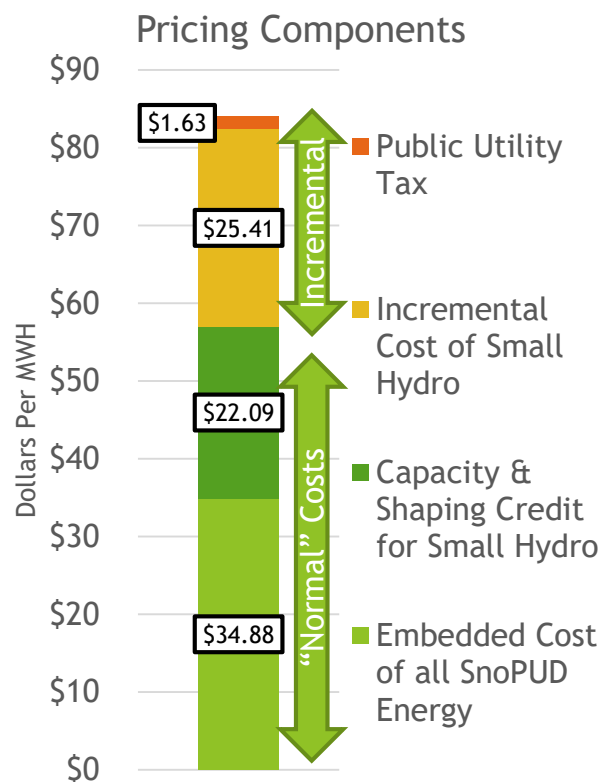
Background

- ▶ Renewable under the 100% Renewable Energy Initiative is defined as:
 - Energy derived from hydrogen, wind power sited in ecologically responsible ways, solar, existing and low-impact hydroelectric, geothermal, biogas (including biogas produced from biomass), and ocean/wave technology sources.
 - “Renewable Energy” specifically excludes energy derived from fossil fuels, nuclear, biomass feedstocks sourced from state and federal lands, hydrogen produced from fossil fuels, and incineration of municipal and medical waste.
- Beginning January 2019, the PUD began offering a pilot rate for 100% renewable energy that would meet Edmonds’ needs. The city and its roughly 8,000 MWH annual municipal load has participated ever since.
- The commission extended the pilot through 2021 on December 19th, 2019.
- Another governmental entity has since approach us about a rate for non-emitting resources.

Strategy

- ▶ Set a baseline fuel mix: two-year rolling average
- ▶ Match Non-Renewable Portion of Fuel Mix with Bundled Renewable (REC-Producing) Energy Sources
 - Generation Scheduled to SnoPUD
 - Not Necessarily Washington I-937 Qualified Renewables
 - Pricing based on incremental cost of these projects above costs embedded in standard rates
 - Have traditionally used Hancock, Calligan, and Youngs Creek hydro projects
- Provide differentiated rates for all-renewable and non-emitting products

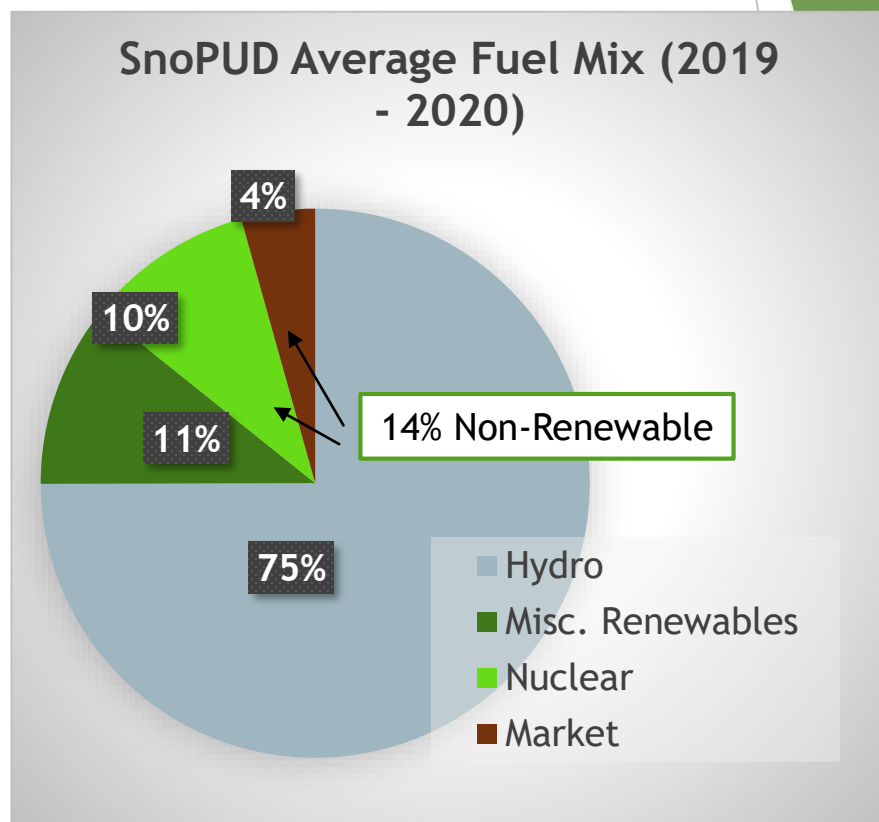
Pricing Details



- ▶ Average Cost of Youngs, Hancock, & Calligan Creek projects (\$82.38)
- ▶ Credited Based on embedded value provided by these resources (\$56.97)
- ▶ Net Cost of \$27.03 after Public Utility Tax

Product Details

- ▶ PUD Matches Non-Renewable Portion of Customer's Electricity Consumption with Bundled Renewables
- ▶ Generated year prior through year after
- ▶ Additional to RPS (I-937) Resources
- ▶ 0.3853 cents per kWh for 100% renewable
- ▶ 0.1175 cents per kWh for 100% non-emitting



Risks

- ▶ Fuel Mix methodology could change, cause price volatility
- ▶ Hydro, wind volatility could make for volatile program costs
 - ▶ Risk is limited by current Fuel Mix methodology
- ▶ Pricing based on *forecasted* small hydro costs; new resources have no operating history

Risks For 2022 and Beyond

- ▶ CETA Compliance Will Make SnoPUD 100% Non-Emitting
 - If SnoPUD uses some unbundled RECs for CETA or RPS compliance, Edmonds might want bundled alternative
- ▶ Somewhat limited availability. Hancock & Calligan, Youngs Creek can clean up about 50 average megawatts of load if only 14% of mix is non-renewable
 - The potentially high cost of integrating new resources should be borne by participants
 - Increasingly complicated rate design if the PUD must acquire more new resources, sell existing supplies.

Next Steps

- ▶ Return January 18th for consideration of extending the renewable rate through 2029
- ▶ CETA compliance will have the PUD 100% non-emitting by 2030





BUSINESS OF THE COMMISSION

Meeting Date: January 18, 2022

Agenda Item: 5

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:

- | | | |
|---|--|--|
| <input type="checkbox"/> Decision Preparation | <input checked="" type="checkbox"/> Incidental | <input type="checkbox"/> Monitoring Report |
| <input type="checkbox"/> Policy Discussion | (Information) | |
| <input type="checkbox"/> Policy Decision | | |
| <input type="checkbox"/> Statutory | | |

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: January 18, 2022

Agenda Item: 6A

TITLE

Commission Reports

SUBMITTED FOR: Commission Business

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

ACTION REQUIRED:

- | | | |
|---|--|--|
| <input type="checkbox"/> Decision Preparation | <input checked="" type="checkbox"/> Incidental | <input type="checkbox"/> Monitoring Report |
| <input type="checkbox"/> Policy Discussion | (Information) | |
| <input type="checkbox"/> Policy Decision | | |
| <input type="checkbox"/> Statutory | | |

SUMMARY STATEMENT:

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: January 18, 2022

Agenda Item: 6B

TITLE:

Commissioner Event Calendar

SUBMITTED FOR: Commission Business

Commission

Department

Allison Morrison

Contact

8037

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:

The Commissioner Event Calendar is enclosed for Board review.

List Attachments:

Commissioner Event Calendar

Commissioner Event Calendar – 2022

January 2022

January 5 - 7:

Public Power Council/PNUCC Meetings
Virtual
(Logan/Wolfe)

January 6:

Economic Alliance – Legislative Kick-Off
Virtual
(Logan/Wolfe/Olson)

January 11:

Economic Alliance – Talent & Recovery
Virtual
(Logan)

January 13:

Stanwood Chamber & State of the City
Virtual
(Logan)

January 19:

PUD Customer Breakfast
Virtual
(Logan/Wolfe/Olson)

January 28:

~~Marysville/Tulalip Chamber Breakfast~~
Tulalip, WA
(Logan)

January 2022

January 26:

Energy Northwest Board of Directors Meeting
Virtual
(Logan)

Commissioner Event Calendar – 2022

February 2022

February 2 - 4:

Public Power Council/PNUCC Meetings
Virtual

February 26 – March 3:

APPA Legislative Rally
Washington, DC

February 2022

Commissioner Event Calendar – 2022

March 2022

March 2 - 4:

Public Power Council/PNUCC Meetings

Virtual

March 2022

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

Commissioner Event Calendar – 2022

April 2022

April 6 - April 8:

Public Power Council/PNUCC Meetings

Virtual

April 2022

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

Commissioner Event Calendar – 2022

May 2022

May 4 - 6:

Public Power Council/PNUCC Meetings
Portland, OR

May 22-25:

NWPPA Annual Conference
Coeur d'Alene, ID

May 2022

Commissioner Event Calendar – 2022

June 2022

June 1 - 3:

Public Power Council/PNUCC Meetings
Virtual

June 10 - 15:

APPA National Conference
Nashville, TN

June 2022

Commissioner Event Calendar – 2022

July 2022

July 2022

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

Commissioner Event Calendar – 2022

August 2022

August 3 - 5:

Public Power Council/PNUCC Meetings
Portland, OR

August 2022

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

Commissioner Event Calendar – 2022

September 2022

August 31 – September 2:

Public Power Council/PNUCC Meetings

Virtual

September 2022

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

Commissioner Event Calendar – 2022

October 2022

October 5 - 7:

Public Power Council/PNUCC Meetings

Virtual

October 2022

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

Commissioner Event Calendar – 2022

November 2022

November 16 - 18:

Public Power Council/PNUCC Annual Meetings
Portland, OR

November 2022

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

Commissioner Event Calendar – 2022

December 2022

December 2022

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



BUSINESS OF THE COMMISSION

Meeting Date: January 18, 2022

Agenda Item: 7A

TITLE

Governance Planning Calendar

SUBMITTED FOR: Governance Planning

Commission

Department

Allison Morrison

Contact

8037

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, 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 – 2022

To Be Scheduled

- Compensation Philosophy Discussion

To Be Scheduled

Governance Planning Calendar – 2022

January 4, 2022

Morning Session:

- Media
- 2022 Legislative Session Preview
- Rate Adjustment
- Pilot Renewable Energy Rate
- District Strategy: 2040 Scenario Planning Insights

Afternoon Session:

- Governance Planning Calendar

January 10, 2022

Special Meeting:

- ~~Strategy Workshop (Cancelled)~~

Governance Planning Calendar – 2022

January 18, 2022

Morning Session:

- Community Engagement
- Legislative
- Energy Risk Management Report – 4th Quarter 2021
- Water Supply Update
- Wildfire Mitigation Plan (WMP)

Afternoon Session:

- Public Hearing and Action:
 - Rate Adjustment
 - Pilot Rate Renewal
- Governance Planning Calendar

January 25, 2022

Special Meeting:

- Strategy Workshop

Governance Planning Calendar – 2022

February 1, 2022

Morning Session:

- Media
- Legislative

Afternoon Session:

- Governance Planning Calendar

February 15, 2022

Morning Session:

- Community Engagement
- Legislative
- Safety Update
- District Long-Term Strategy Briefing

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2022

March 8, 2022

Morning Session:

- Media
- Legislative

Afternoon Session:

- Governance Planning Calendar

March 22, 2022

Morning Session:

- Community Engagement
- **Connect Up Quarterly Update**

Afternoon Session:

- Public Hearing and Action:
 - Disposal of Surplus Property – 2nd Quarter
- Monitoring Report:
 - 4th Quarter 2021 Financial Conditions and Activities Monitoring Report
- Governance Planning Calendar

Governance Planning Calendar – 2022

April 5, 2022

Morning Session:

- Media

Afternoon Session:

- Governance Planning Calendar

April 19, 2022

Morning Session:

- Community Engagement
- Energy Risk Management Report - 1st Quarter 2022
- Water Supply Update
- Audit Report

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2022

May 3, 2022

Morning Session:

- Media

Afternoon Session:

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

May 17, 2022

Morning Session:

- Community Engagement

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2022

June 7, 2022

Morning Session:

- Media

Afternoon Session:

- Governance Planning Calendar

June 21, 2022

Morning Session:

- Community Engagement
- Connect Up Quarterly Update

Afternoon Session:

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

Governance Planning Calendar – 2022

July 5, 2022

Morning Session:

- Media

Afternoon Session:

- Governance Planning Calendar

July 19, 2022

Morning Session:

- Community Engagement
- Energy Risk Management Report – 2nd Quarter 2022
- Water Supply Update

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2022

August 2, 2022

Morning Session:

- Media

Afternoon Session:

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

August 16, 2022

Morning Session:

- Community Engagement

Afternoon Session:

- 2023 Preliminary Budget – Report of Filing and
Notice of Public Hearing
- Governance Planning Calendar

Governance Planning Calendar – 2022

September 6, 2022

Morning Session:

- Media

Afternoon Session:

- Governance Planning Calendar

September 20, 2022

Morning Session:

- Community Engagement
- Connect Up Quarterly Update

Afternoon Session:

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

Governance Planning Calendar – 2022

October 3, 2022

Morning Session:

- Media

Afternoon Session:

- Public Hearing:
→ Open 2023 Proposed Budget Hearing
- Governance Planning Calendar

October 18, 2022

Morning Session:

- Community Engagement
- Energy Risk Management Report – 3rd Quarter 2022
- Water Supply Update

Afternoon Session:

- Governance Planning Calendar

Governance Planning Calendar – 2022

November 1, 2022

Morning Session:

- Media

Afternoon Session:

- Public Hearing:
→Continue Public Hearing on the 2023 Proposed Budget
- Monitoring Report:
→3rd Quarter Financial Conditions and Activities Monitoring Report
- Governance Planning Calendar

November 15, 2022

Morning Session:

- Community Engagement

Afternoon Session:

- Public Hearing:
→Continue Public Hearing on the 2023 Proposed Budget
- Adopt Regular Commission Meeting Dates for the Year 2023
- Governance Planning Calendar

Governance Planning Calendar – 2022

December 6, 2022

Morning Session:

- Media
- Finance Audit Activity
- **Connect Up Quarterly Update**

Afternoon Session:

- Public Hearing and Action:
 - Adopt 2023 Budget
- Monitoring Report:
 - Financial Planning and Budgeting Monitoring Report
- Elect Board Officers for the Year 2023
- Proposed 2023 Governance Planning Calendar

December 20, 2022

Morning Session:

- Community Engagement

Afternoon Session:

- Public Hearing and Action:
 - Disposal of Surplus Property - 1st Quarter
 - Confirm Final Assessment Roll for LUD No. 65
- Adopt 2023 Governance Planning Calendar

Governance Planning Calendar – 2022

2022 Year-at-a-Glance Calendar

January

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

March

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

May

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

July

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

 Holiday

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Commission Meetings

For Planning Purposes Only and Subject to Change at any Time

EXECUTIVE SESSION

Tuesday, January 18, 2022

At the Conclusion of the Afternoon Session of the Regular Meeting

Discussion to Review the Performance of a Public Employee - Approximately 1 hour.