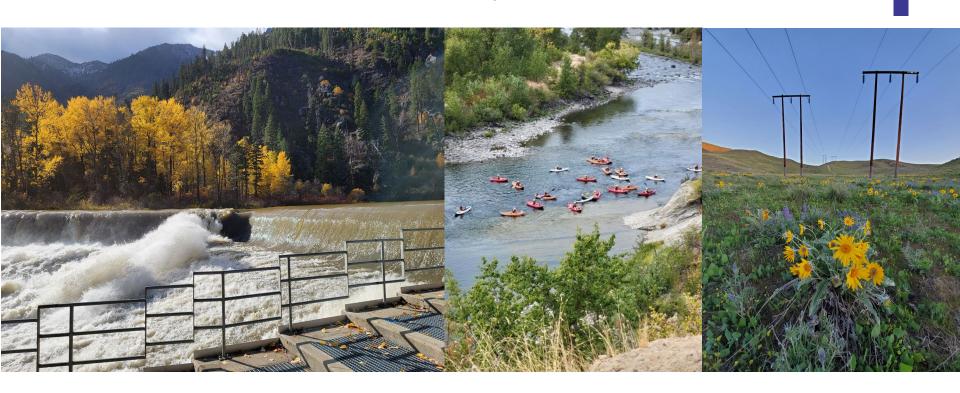
Quarterly Energy Resources Review

for the quarter ended March 31, 2024



May 6, 2024
Mike Bradshaw, Janet Jaspers



What We Will Cover Today

- Wholesale and energy-related revenue update
- Western power markets update
- Operations and planning

Update only, no action required

Appendix: Additional detailed information not covered today

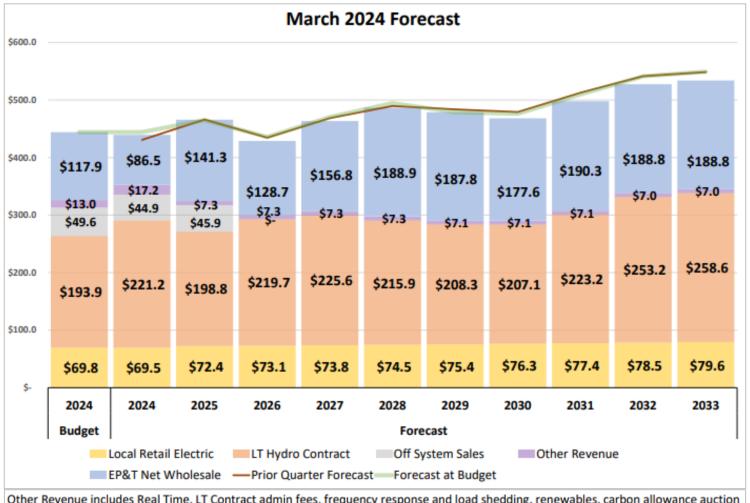


Q1 2024 Key Highlights

- Below average water to start 2024
 - Rocky Reach inflow averaged 60%, Jan-Mar
 - Columbia River water supply forecast is 83% of normal for Jan Jul
 - Lake Chelan runoff forecast Apr Jul is 60% of average
 - NWR and other Energy-Related Revenue is forecasted to be \$179M (\$1.4M below budget)
- Climate Commitment Act (CCA)
 - WA allowance prices dropped drastically in past 6 months WA initiative 2117
- Day-Ahead Market Initiatives
 - SPP Markets+
 - Staff to recommend Phase 2 participation
 - CAISO Energy Day Ahead Market (EDAM)
 - Pathways Initiative or West wide Governance Pathways Initiative, WWGPI



Electric Revenues Forecast - \$ Millions



Other Revenue includes Real Time, LT Contract admin fees, frequency response and load shedding, renewables, carbon allowance auction proceeds, and scheduling.



2024 NWR and Other Energy-Related Revenue

(\$ Millions)

	Budget	Actual [1]		Variance	
EP&T Net Wholesale Revenue (NWR)					
Energy Sales/Purchases	\$ 91.8	\$	60.5	\$	(31.3)
Specified Source Premium	\$ 25.4	\$	25.4	\$	-
Renewables - Bundled	\$ 0.6	\$	0.6	\$	-
NWR Sub-total [2]	\$ 117.9	\$	86.5	\$	(31.3)
Off System Sales					
Off System end use sales	\$ 49.5	\$	44.9	\$	(4.6)
Other Energy-Related Revenue					
LT Power Contract- Retained Surplus	\$ -	\$	30.4	\$	30.4
LT Power Contract- Admin Fees	\$ 4.1	\$	4.1	\$	-
Frequency Response & Load Shedding	\$ 1.2	\$	1.2	\$	-
Other [3]	\$ 0.6	\$	3.8	\$	3.2
Renewables - Unbundled	\$ 0.1	\$	0.1	\$	-
Real-Time Revenue	\$ 7.0	\$	8.0	\$	1.0
Other Energy-Related Sub-total	\$ 13.0	\$	47.5	\$	34.6
NWR and Other Energy-Related Revenue	\$ 180.3	\$	179.0	\$	(1.4)

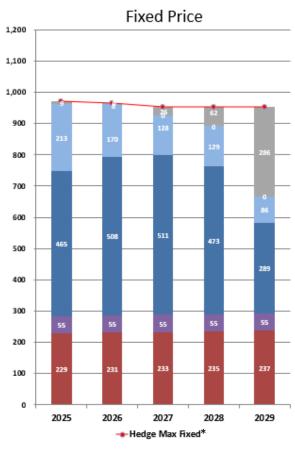
^{[1] 2024} forecast based Jan - Mar actuals Apr-Dec estimates (4/4/24 NWR forecast)



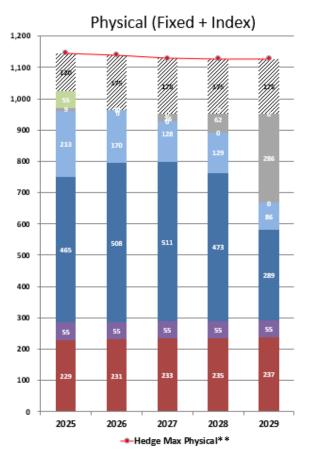
^[2] NWR includes PWX specified source sale/full requirements purchase and transmission pass through costs

^[3] Other includes scheduling, carbon allowance proceeds & admin fees and the sale of reserves

District's Energy Commitments







(Average MW)

Note: The graphs represent the limits contained in resolution 20-14439 approved by the Board on March 23, 2020.



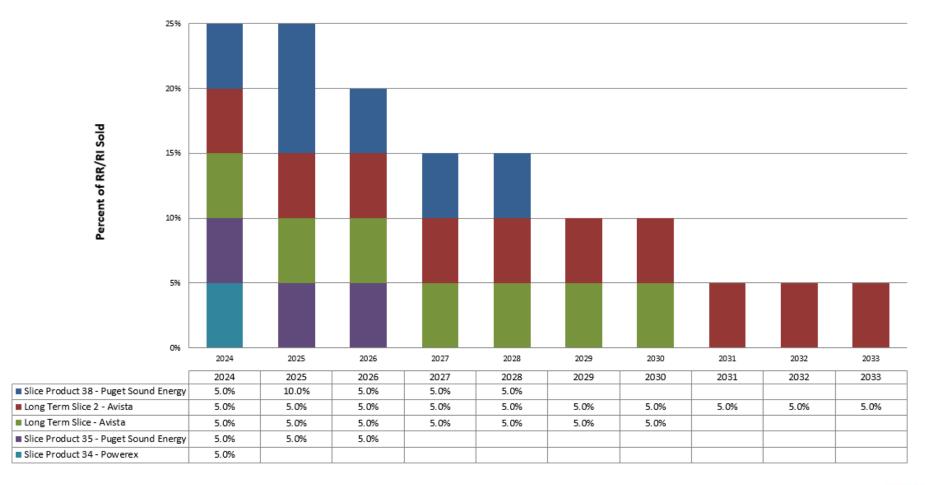
Available to Sell at Index Price

Available to Sell at Fixed Price
Index Price Block Contracts (Includes Off-System End-Use)
Fixed Price Block Contracts
Fixed Price Slice
Long-term Cost Plus Slice
Canadian Entitlement
Local Load

^{*}Hedge Max Fixed = stress water generation

^{**}Hedge Max Physical = stress water generation + 175 aMW

Fixed Price Slice Contracts





Changes in the Western Power Market

Western Resource Adequacy Program (WRAP)

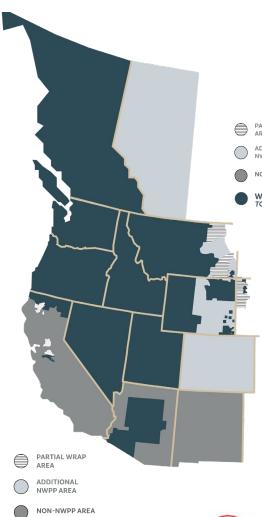
- New binding season target: Summer 2027
 – stakeholders & WPP issued explanatory letters
- Continue non-binding Forward Showing submittals & operational program
- Business Practice Manuals being drafted/approved

Climate Commitment Act (CCA)

- Next regularly scheduled quarterly auction on 06/05/2024
- Allowances currently trading \$36/metric ton of CO2e in secondary market
- Electric utilities will submit updated cost burden estimates July 2024

Short term markets (within hour → real-time → day ahead)

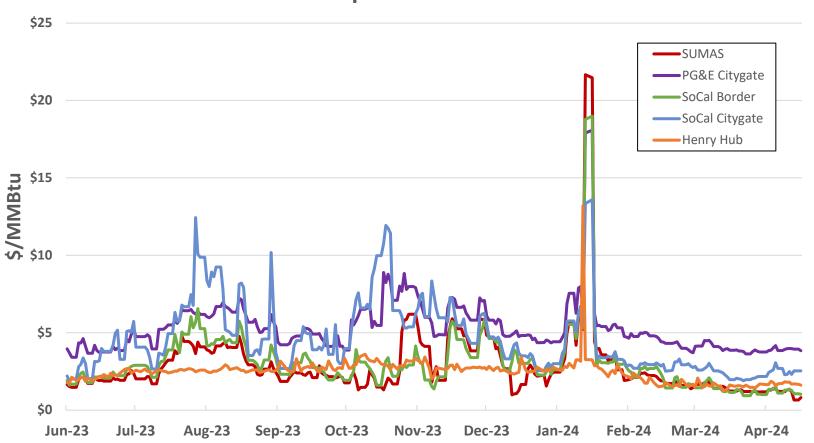
- SPP Markets+ tariff filed on March 29th
 - Chelan/consultant will provide educational presentation to Board
 - Staff to recommend funding Phase 2 later this year
- CAISO EDAM tariff largely approved by FERC
 - Stakeholder meetings have begun to address remaining items
- Westwide Governance Pathways Initiative (WWGPI or Pathways) Effort Releases Initial Proposal



Daily Natural Gas Prices

Jun 2023 – Apr 2024

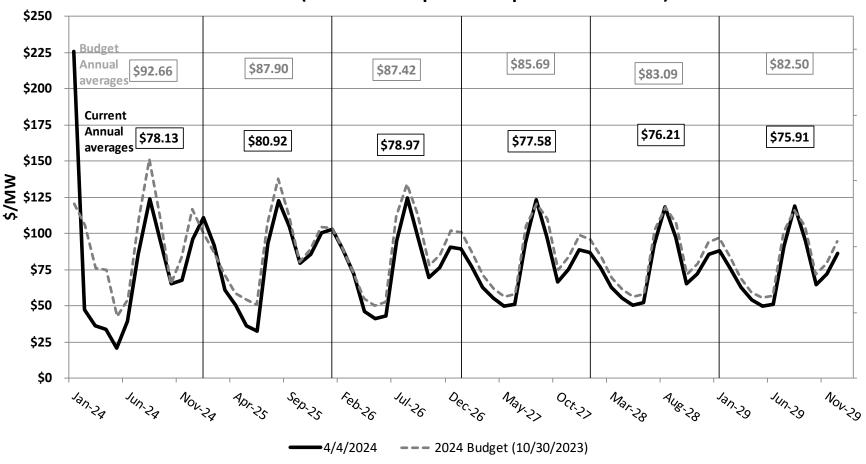
Select Western Natural Gas Hubs
Spot Prices





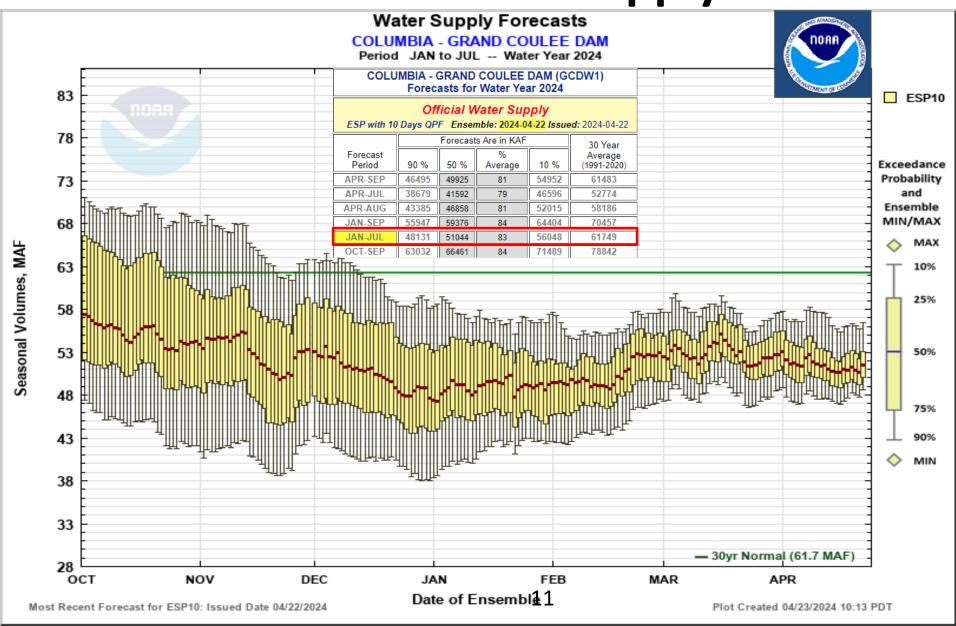
Mid-C forward price curve

MIDC Flat Forward Price Curve (ICE DA index prices for previous months)

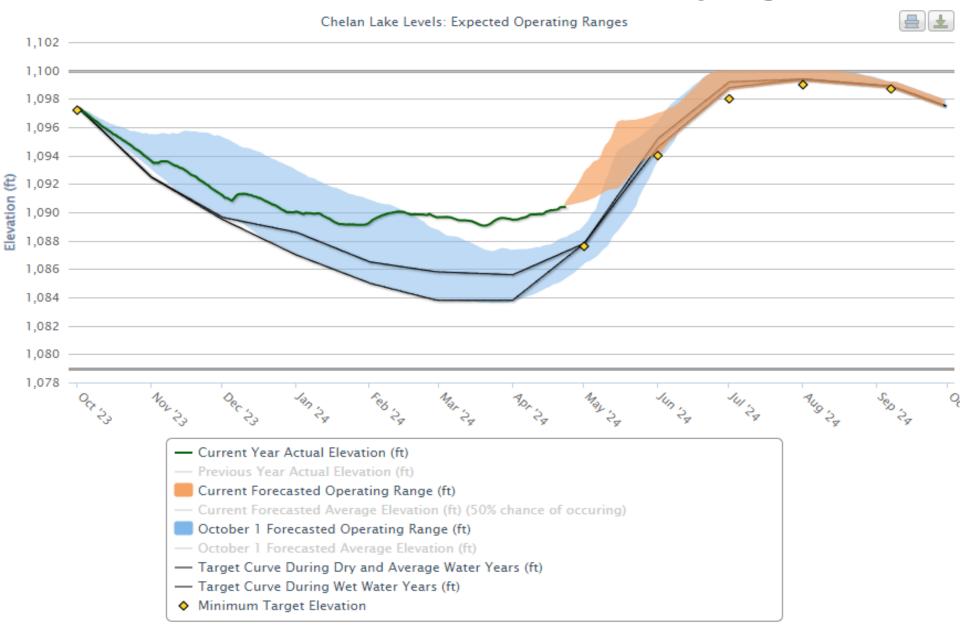




Water Year 2024: Water Supply forecast



Lake Chelan level webpage



Q1 2024 Key Messages

- NWR and other energy-related revenue slightly below budget mainly due to low water
- Monitoring I-2117 for future of Climate Commitment Act (CCA)
- Evaluating organized market options Staff to recommend funding SPP Markets+ Phase 2 later this year



Questions?

