



Agenda
Utility Advisory Committee Meeting
Tuesday, January 14, 2025
Richland City Hall ~ Council Chambers
625 Swift Boulevard

Committee Members: Chair Larkin, Vice-Chair Porter, and Members Hofstetter, Hyson, Richmond, and Staven

Council Liaison: Councilmember Whitten

Staff Liaison: Energy Services Director Whitney

Regular Meeting - 3:00 p.m.

Call to Order/Attendance:

UAC Chair and Vice Chair Selection:

Approval of Agenda: (Approved by Motion)

Approval of Minutes: (Approved by Motion)

1. Approval of the November 12, 2024 Utility Advisory Committee Meeting Minutes.

Public Comments:

Items of Business:

2. Status of Each City Utility (10 minutes each)
 - Carlo D'Alessandro, Public Works Director
 - Tom Huntington, Fire Chief
 - Clint Whitney, Energy Services Director
3. Landfill Expansion Phase 2 - Bonding (10 minutes)
 - Carlo D'Alessandro, Public Works Director
4. Columbia and Snake River Dams New Environmental Reviews (15 Minutes)
 - Clint Whitney, Energy Services Director
5. Resource Adequacy Update (15 minutes)
 - Clint Whitney, Energy Services Director
6. Bonneville Power Administration Quarterly Report - 4Q24 (10 minutes)
 - Clint Whitney, Energy Services Director

Unfinished Business:

Other Informational Items:

7. Capital Work Plan Update - November 2024
 - Clint Whitney, Energy Services Director

8. Forward Agenda

Adjournment

Richland City Hall is ADA accessible. Any individual who has difficulty attending the meeting in-person may request to provide comments remotely. (Ch. 42.30 RCW) Requests for sign interpreters, audio equipment, and/or other special services must be received 48 hours prior to the meeting by calling the City Clerk's Office at 509-942-7389.



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Approval of Minutes

Prepared By: Arturo Mata, Administrative Assistant II

Subject:

Approval of the November 12, 2024 Utility Advisory Committee Meeting Minutes.

Department:

Energy Services

Recommended Motion:

Approve the minutes of the UAC meeting held on November 12, 2024.

Summary:

Fiscal Impact:

Attachments:

I. 2024.11.12 UAC Minutes



MINUTES

UTILITY ADVISORY COMMITTEE REGULAR MEETING
Tuesday, November 12, 2024
Richland City Hall ~ Council Chamber
625 Swift Boulevard

Utility Advisory Committee Regular Meeting – 3:00 p.m.

Chair Larkin called the meeting to order at 3:01 p.m.

Attendance: Chair Larkin, Vice-Chair Daniel Porter, Committee Member Bill Richmond, Harry Staven, and Ricky Hyson were present. Also present were Staff Liaison and Energy Services Director Whitney, Chief Tom Huntington, Public Works Director Carlo D'Alessandro, and Administrative Assistant I Marissa Davila.

Absent members: Committee Members Monica Hofstetter and Colton Wallin, Councilmember Whitten

Approval of Agenda

MEMBER STAVEN MOVED AND VICE-CHAIR PORTER SECONDED THE MOTION TO APPROVE THE AGENDA AS PUBLISHED. THE MOTION CARRIED 5-0.

Minutes

1. Approval of the September 10, 2024 Utility Advisory Committee Regular Meeting Minutes.

VICE-CHAIR PORTER MOVED AND MEMBER RICHMOND SECONDED THE MOTION TO APPROVE THE SEPTEMBER 10, 2024 MEETING MINUTES. THE MOTION CARRIED 5-0.

Public Comments

None.

Items of Business

2. Status of Each City Utility

Director D'Alessandro provided status updates for departments within Public Works. He provided updates for current projects in Water, Wastewater, and Landfill. Director D'Alessandro gave status updates on staffing in Public Works. Director D'Alessandro answered member questions.

Chief Huntington provided status updates for Fire and Emergency Services. He followed-up on and provided updates on proposed Utility Rate and Mileage changes from previous meeting. Chief Huntington answered member questions.

Director Whitney provided status updates for Energy Services. He went over the AMI project update, software updates, staffing and other financials. Director Whitney answered member questions.

3. Approach to Financing Landfill Expansion Project

Director D'Alessandro provided a status update regarding the Landfill Expansion Project, with efforts to extend the life of the current cell. He provided funding updates, being denied a loan through the Washington State Department of Commerce's Public Works Board Loan. Director D'Alessandro provided information on two other possible funding sources. Committee will be addressed and asked for recommendation on accepting the funds, if provided, in a future meeting. Director D'Alessandro answered member questions.

4. Bonneville Power Administration White Book – 2024 Pacific Northwest Loads and Resources Study

Director Whitney went over the information the White Book by Bonneville Power Administration provides, emphasizing load surplus and deficits. He explained how this information could be useful in the future. Director Whitney answered member questions.

5. Ruby Flats Solar – Letter of Intent Opportunity

Director Whitney presented the Letter of Intent with Energy Northwest opportunity. He explained his recommendation for submitting the letter of intent and purchasing renewable energy from the Ruby Solar Flats project. Director Whitney asked the UAC to support the recommendation. He answered member questions.

VICE-CHAIR PORTER MOVED AND MEMBER STAVEN SECONDED THE MOTION TO SUPPORT COUNCIL APPROVAL OF A LETTER OF INTENT WITH ENERGY NORTHWEST. THE MOTION CARRIED 5-0.

6. Next Steps for Utilizing AMI Data

Director Whitney provided a project update on AMI and completion. He went over the features of AMI being internally used. Director Whitney provided software updates that are planned regarding the utilization of data provided by AMI. Director Whitney answered member questions.

7. Energy Northwest Agreement with Amazon for Partial Small Modular Reactor Funding

Director Whitney provided information on the Energy Northwest Agreement with Amazon for Partial Small Reactor Funding and distribution if built. He provided insight to the benefits of the agreement and projected costs to purchase power from the X-Energy project site.

Unfinished Business

None.

Other Informational Items

- Bonneville Power Administration Provider of Choice – Post 2028 Contract Schedule and Comparison
- Bonneville Power Administration Quarterly Report – September 2024
- 3Q24 Electric Utility Financial Statements
- 2025 Capital Work Plan
- Capital work Plan Update – November 2024

The following informational handouts were provided to Members:

- BPA White Book – 2024 PNW Loads & Study Resources
- 2021 CEIP Page 4 Energy Independence Act for Renewable Portfolio Standards
- Forward Price Curves
- LOI 10-17-2024
- SMR Pathway
- Provider-of-choice-timeline-graphic
- Poc-comparison-to-regional-dialogue-20241031
- BPA_STriCities Report Q3 2024
- 3Q24 RES – Electric Utility Financial Statements
- 2025 Capital Work Plan
- RES CWP REPORT – September 2024

Adjournment

Chair Larkin adjourned the meeting at 5:06 pm.

Prepared by: _____
Arturo Mata, Administrative Assistant II

Reviewed by: _____
Clint Whitney, Energy Services Director

Approved by: _____
Daneile Porter, Vice-Chair

DATE APPROVED:

DATE PUBLISHED:



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Items of Business

Prepared By: Carlo D'Alessandro, Public Works Director
Tom Huntington, Fire Chief
Clint Whitney, Energy Services Director

Subject:

Status of Each City Utility (10 minutes each)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

A representative from each of the City's utilities will provide a status update.

Fiscal Impact:

There is no fiscal impact.

Attachments:



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Items of Business

Prepared By: Carlo D'Alessandro, Public Works Director

Subject:

Landfill Expansion Phase 2 - Bonding (10 minutes)

Department:

Public Works

Recommended Motion:

Support the recommendation to finance the Horn Rapids Landfill Expansion Phase 2 Project through bonding.

Summary:

The City is preparing to construct the Horn Rapids Landfill Phase 2 Expansion Project (the Project) to extend the life of the current cell of the landfill in support of continued solid waste disposal services to City residents. The City has contracted with Great West Engineering, Inc. for design engineering services for the Project. Design is being performed and is anticipated to be completed in March of 2025. The City has contracted with Apollo, Inc. to perform the earthwork and they may bid for a future landfill lining. The Solid Waste Fund does not have capacity to fund the Project with available fund balances. The City's best interests are served by utilizing low-interest financing to fund the Project.

The City was unsuccessful in obtaining financing through a Washington State Department of Commerce's Public Works Board loan. The Washington State Office of the State Treasurer (OST) offers a local financing program, but the contract provisions were not suitable for a landfill project.

The remaining financing option is through selling bonds. Bonding rates are anticipated to be in the 3.5% to 4.5% range. The estimated value of the bond is \$10,000,000. The term of the debt service on the bonds will be 20 years.

A rate study will be performed once the costs for financing are known. Current rate estimates indicate that residential and commercial refuse collection rates will need to be increased at 2% per year for the life of the debt. City staff will address the committee requesting a recommendation to modify solid waste rates in a future meeting.

Due to the need to perform the landfill expansion work and to ensure that adequate funding exists to continue solid waste operations, staff seeks a recommendation to Council to pursue financing through bond sales for the Landfill Expansion Phase 2 project.

Fiscal Impact:

The fiscal impact is not yet known. Solid Waste Utility rates are likely to change in the future in order to retire the debt service.

Attachments:



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Items of Business

Prepared By: Clint Whitney, Energy Services Director

Subject:

Columbia and Snake River Dams New Environmental Reviews (15 Minutes)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

The current federal administration has decided to move forward with a "[Notice of Intent](#)" to redo the \$55M [2020 Columbia River System Operations \(CRSO\) Environmental Impact State \(EIS\)](#) that concluded the best option was for the dams to remain in operation.

The US Bureau of Reclamation and US Army Corps of Engineers are the co-leads on the EIS with BPA as a cooperating agency. Some of the reasons cited for new EIS includes:

- New circumstances for listed species (Wolverine, NW Pond Turtle, Canada Lynx, Western Ridged Mussel).
- New information (Tribal circumstances analysis, replacement services studies, salmon and steelhead status, bull trout status)
- Changed conditions for operations (Columbia River Treaty agreement in principle, flood risk)
- New US Gov't commitments and relevant reports.

Despite letters (attached) from utility and supporting trade organizations and US Senators, the US Gov't issued the Notice of Intent. The new EIS will be a lengthy process with more information to come as the process progresses.

Fiscal Impact:

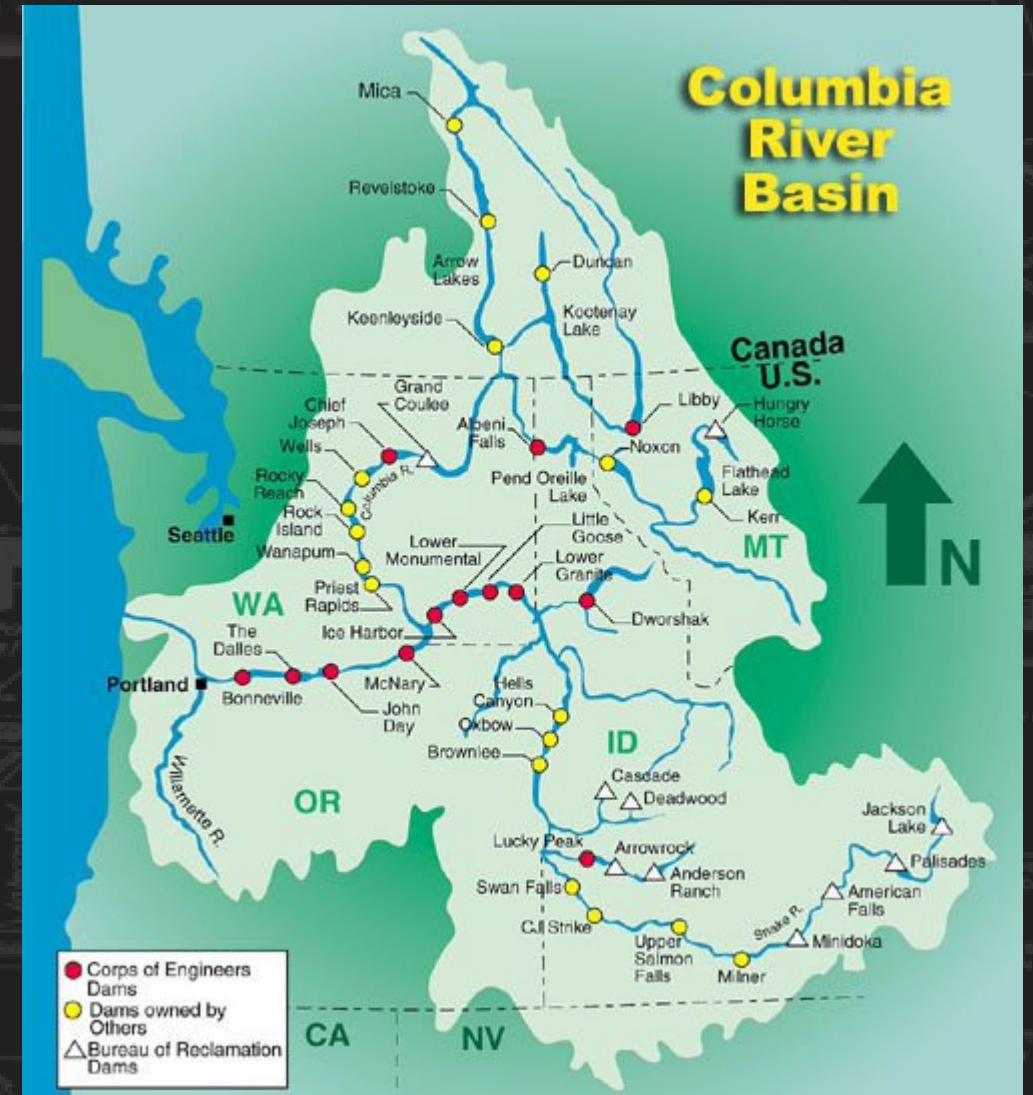
There is no fiscal impact.

Attachments:

1. CRS_ENV_COMP-Virtual-Briefing-Fall2024
2. JPR RAFT Coalition Response to NOI 12.18.24
3. Republican Senators LSRD DOE 12.19 Letter

COLUMBIA RIVER SYSTEM ENVIRONMENTAL COMPLIANCE ENGAGEMENT EFFORT

Fall 2024 Briefing



US Army Corps
of Engineers®



BUREAU OF
RECLAMATION



Bonneville
POWER ADMINISTRATION



AGENDA

1. Purpose of Current Scoping Effort
2. History and Background
3. Environmental Compliance – Current Steps
4. Need for Sovereign and Stakeholder Input
5. Next Steps



PURPOSE OF THIS SCOPING EFFORT

Since the signing of the Columbia River System Operations (CRSO) Environmental Impact Statement (EIS) Record of Decision (ROD) in 2020, there have been modifications to the Selected Alternative, changes in circumstances on the system, and newly available information.

This scoping effort is focused on identifying and assessing any substantial changes to the Selected Alternative, substantial new circumstances or new information that warrants consideration under the National Environmental Policy Act (NEPA) and to determine the appropriate scope for any necessary compliance efforts.

If necessary, the primary focus of environmental compliance processes would be to update the effects analysis associated with the Selected Alternative from the 2020 CRSO EIS to ensure the Co-Lead Agencies (Corps, Reclamation, and Bonneville) have sufficient coverage to continue to operate and maintain the system for its congressionally authorized purposes.

This information will be used to inform the contents of a Notice of Intent to prepare either an Environmental Assessment (EA) or Supplemental EIS, currently scheduled to be published between Dec 6-20, 2024.

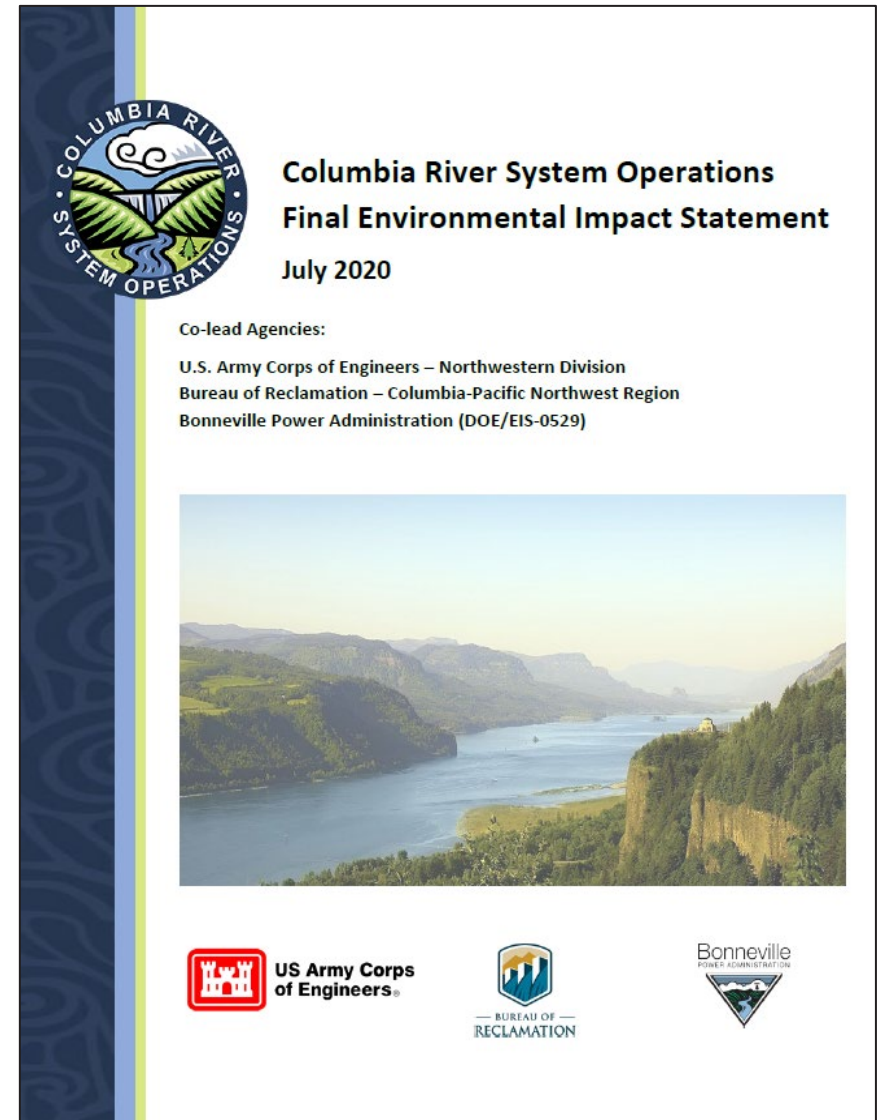


COLUMBIA RIVER SYSTEM OPERATIONS EIS

From 2016-2020, the Co-Lead Agencies analyzed alternatives for the long-term coordinated operation, maintenance and configuration of the Columbia River System projects, as documented in the CRSO EIS.

In September 2020, the Co-Lead Agencies issued a ROD selecting the Preferred Alternative from the Final EIS. The Selected Alternative included:

- Increased Spill for Juvenile Salmonids
- Fish Passage Improvements
- Turbine Improvements
- Hatchery Support
- Predation Management
- Monitoring and Adaptive Management





RESILIENT COLUMBIA BASIN AGREEMENT

- In December 2023, the United States Government (USG) signed a Memorandum of Understanding with Oregon, Washington, the Confederated Tribes and Bands of the Yakama Nation, the Confederated Tribes of the Umatilla Indian Reservation, the Confederated Tribes of the Warm Springs Reservation of Oregon, the Nez Perce Tribe, and the National Wildlife Federation Plaintiffs, now called the Resilient Columbia Basin Agreement (RCBA).
- The RCBA provided for an up to 10-year stay in ongoing litigation on the CRSO EIS and related Biological Opinions including agreement on CRS Operations, and committed the USG to a series of actions to improve conditions for native fish species.

Case 3:01-cv-00640-SI Document 2450-1 Filed 12/14/23 Page 1 of 92

MEMORANDUM OF UNDERSTANDING

Through mediated discussions in *National Wildlife Federation v. National Marine Fisheries Service*, 3:01-cv-640-SI (D. Or.) (*NWF v. NMFS*), *Pacific Coast Federation of Fishermen's Associations v. Bonneville Power Administration*, 20-73761 (9th Cir.) (*PCFFA v. BPA*), *Coeur d'Alene Tribe v. Bonneville Power Administration*, 20-73762 (9th Cir.), and *Spokane Tribe of Indians v. Bonneville Power Administration*, 20-73775 (9th Cir.), the National Wildlife Federation et al. Plaintiffs, the State of Oregon, the State of Washington, the Confederated Tribes and Bands of the Yakama Nation, the Confederated Tribes of the Umatilla Indian Reservation, the Confederated Tribes of the Warm Springs Reservation of Oregon, the Nez Perce Tribe, and the United States (the "Parties") have entered into this Memorandum of Understanding ("MOU").

WHEREAS, the U.S. Fish and Wildlife Service ("FWS") and the National Marine Fisheries Service ("NMFS") issued biological opinions on Columbia River System ("CRS") operations in July 2020, the U.S. Army Corps of Engineers ("Corps"), the Bureau of Reclamation ("Reclamation"), and the Bonneville Power Administration ("Bonneville") completed a Final Columbia River System Operations Environmental Impact Statement in July 2020, and the Corps, Reclamation, and Bonneville issued a Final Record of Decision in September 2020;¹

WHEREAS, in *PCFFA v. BPA*, the National Wildlife Federation et al., Plaintiffs ("NWF Plaintiffs")² filed a petition for review in the Ninth Circuit Court of Appeals against Bonneville in December 2020; and in *NWF v. NMFS*, the NWF Plaintiffs filed an eighth supplemental complaint in January 2021 (ECF 2311, as corrected by ECF 2396), the Spokane Tribe of Indians filed a complaint-in-intervention in February 2021 (ECF 2320), Oregon filed a fifth supplemental complaint in March 2021 (ECF 2325), and the Coeur d'Alene Tribe of Indians filed a complaint-in-intervention in March 2021 (ECF 2330);

WHEREAS, NWF Plaintiffs and Oregon filed and the Nez Perce Tribe supported motions for injunctive relief in *NWF v. NMFS* in 2021 (ECF 2390; ECF 2392; ECF 2387);

WHEREAS, in *NWF v. NMFS*, the United States, the NWF Plaintiffs, the State of Oregon, and the Nez Perce Tribe jointly requested a stay of litigation through July 31, 2022 to implement certain negotiated short-term CRS operations while the parties worked to develop and begin implementing a long-term comprehensive solution that could resolve the claims in the litigation (ECF 2411), which the district court granted (ECF 2415); and the parties to the Ninth

¹ For purposes of this MOU, the Columbia River System (CRS) consists of 14 Federal dam and reservoir projects addressed in the 2020 CRSO EIS and 2020 CRSO EIS ROD: Libby, Hungry Horse, Albeni Falls, Grand Coulee, Chief Joseph, Dworshak, Lower Granite, Little Goose, Lower Monumental, Ice Harbor, McNary, John Day, The Dalles, and Bonneville dams.

² For purposes of this MOU, the NWF Plaintiffs are: the Pacific Coast Federation of Fishermen's Associations, the Institute for Fisheries Resources, Sierra Club, Idaho Rivers United, Northwest Sport Fishing Industry Association, NW Energy Coalition, National Wildlife Federation, Columbia Riverkeeper, Idaho Conservation League, and Fly Fishers International.



ENVIRONMENTAL COMPLIANCE – CURRENT STEPS

- As part of the RCBA, the USG committed to reviewing existing environmental compliance documents and initiating any additional environmental compliance its review determines to be necessary during the fall of 2024.
- Pursuant to this commitment, the Co-Lead Agencies are evaluating triggers for supplementation including ***substantial new information and circumstances***.
- This includes initial modeling efforts to better understand changes in the system as well as sovereign and partner engagement as part of a scoping process.



SUPPLEMENTATION TRIGGERS UNDER NEPA

In determining the scope and type of supplemental compliance, the Co-Lead Agencies will evaluate new information and circumstances, including any:

- Changes to operations, maintenance, and configuration of the fourteen projects that make up the Columbia River System
- New species listed or proposed for listing under the ESA (e.g., Wolverine)
- Anticipated changes in Columbia River inflows to the United States from Canada and operational effects in the U.S. related to the modernization of the Columbia River Treaty
- Certain USG Commitments associated with the RCBA
- Relevant new reports, studies, or other information published since the CRSO EIS was completed



CO-LEAD AGENCY COMMITMENTS IN THE RCBA

- The RCBA committed the USG to use its authorities and funding appropriated by Congress to implement a series of actions including:
 - Increased spill to support juvenile salmonids
 - Ecosystem restoration studies and actions
 - Addressing maintenance backlog of fish infrastructure and hatcheries
 - Predation management
 - Monitoring and research
 - Studies of replacement services that could be needed if congress were to authorize breaching the lower four Snake River dams
- Some of these efforts (such as Ecosystem restoration actions) will require site specific NEPA analysis



NEW CIRCUMSTANCES - LISTED SPECIES

- New species have been listed or proposed for listing under the ESA under the purview of the Fish and Wildlife Service (USFWS) since the completion of the CRSO EIS

Wolverine (Threatened – expect proposed critical habitat in late 2024)

<https://www.fws.gov/species/north-american-wolverine-gulo-gulo-luscus>



Northwestern Pond Turtle (Proposed for Listing)

<https://ecos.fws.gov/ecp/species/1111>

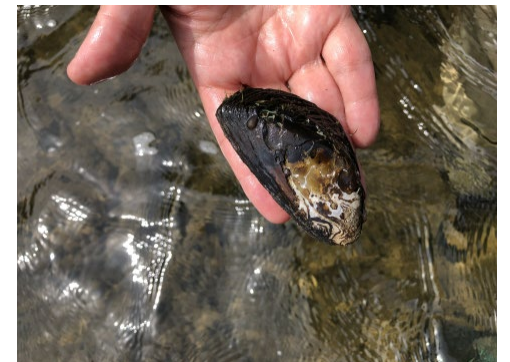


Canada Lynx (Threatened – expect proposed critical habitat in late 2024)

<https://www.fws.gov/species/canada-lynx-lynx-canadensis>

Western Ridged Mussel (Under Review)

<https://www.fws.gov/species/western-ridged-mussel-gonidea-angulata>





NEW INFORMATION

Since the publishing of the Record of Decision in 2020, many new pieces of information have been made available, or will be available in the near future, that either add to or update information used in preparation of the 2020 CRSO EIS. Examples include:

- 2024 Tribal Circumstances Analysis

<https://www.doi.gov/media/document/tribal-circumstances-analysis>

- Replacement Service Studies

- Columbia / Snake River Salmon and Steelhead 5 Year Status Review

<https://www.fisheries.noaa.gov/west-coast/endangered-species-conservation/report-card-recovery-reviews-assess-28-salmon-and>

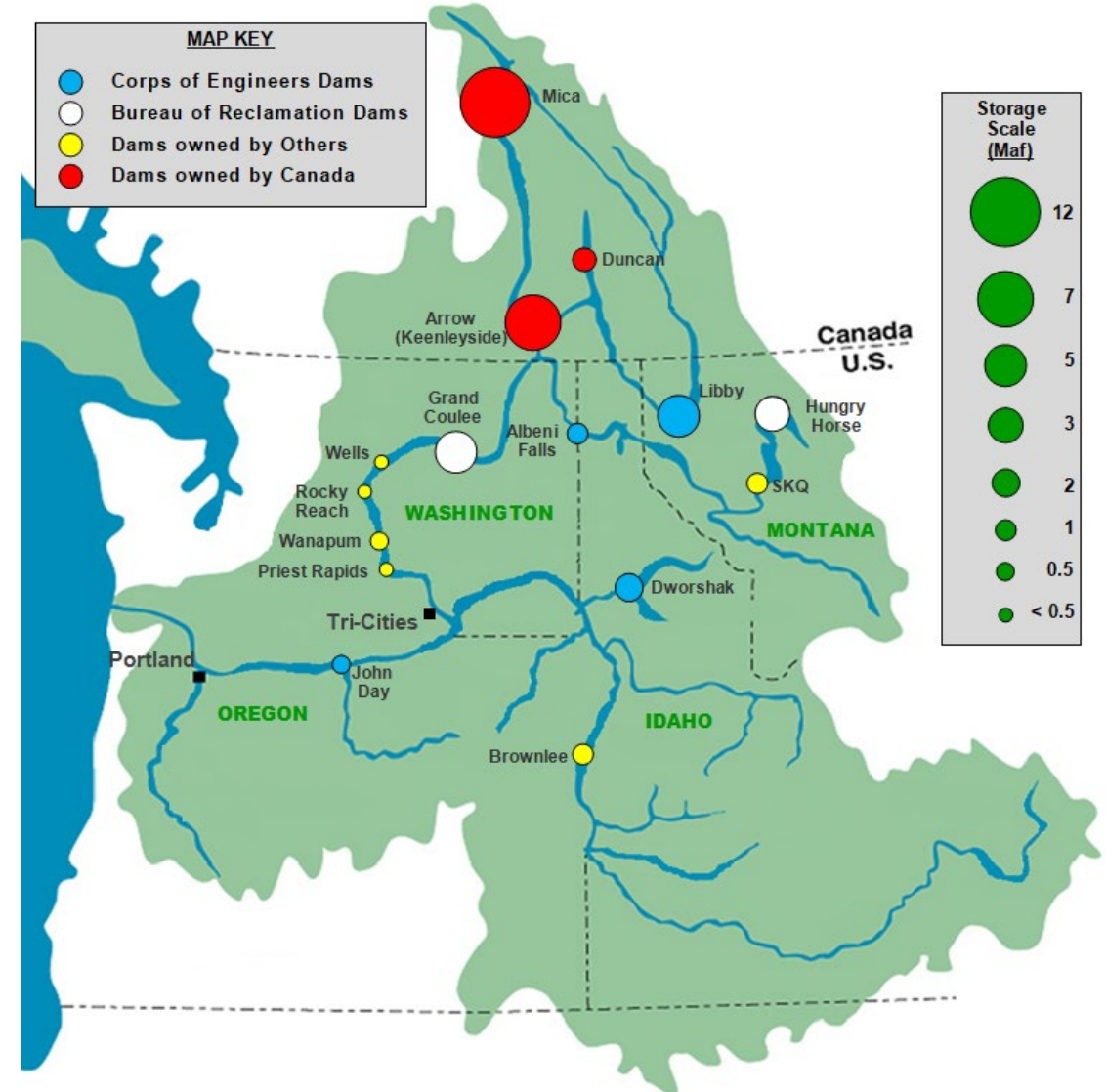
- Bull Trout 5 Year Status Review (forthcoming)

<https://ecos.fws.gov/ecp/species/8212>



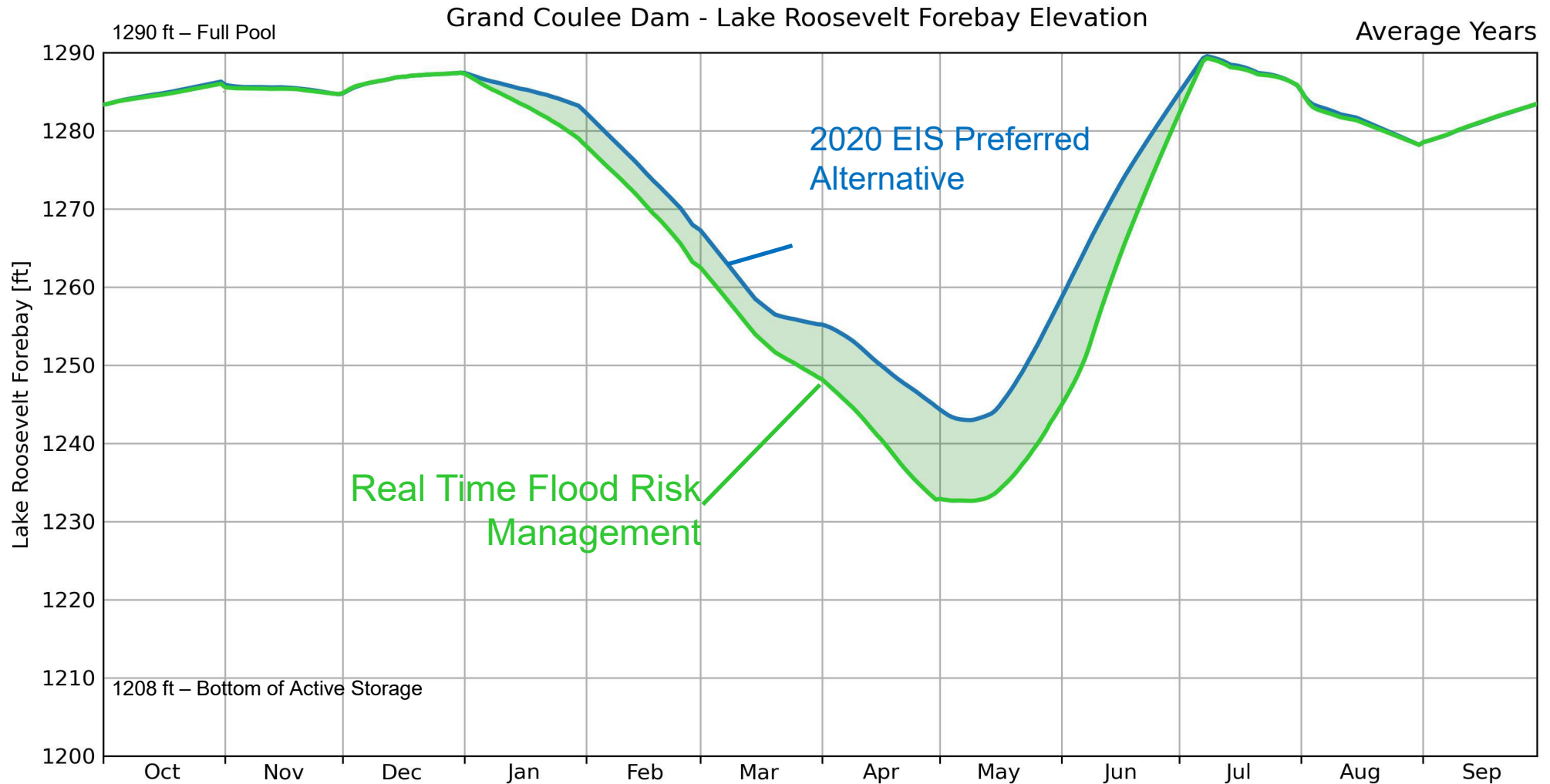
CHANGED CONDITIONS FOR OPERATIONS

- Agreed in principle on the modernization of the Columbia River Treaty was reached in July 2024.
- This includes preplanned flood risk management space in Canada as well as assured hydropower operations.
- In some years, there may be potential changes in reservoir operations resulting from changed Treaty operations.
- The following slides give examples of the anticipated change in the United States.





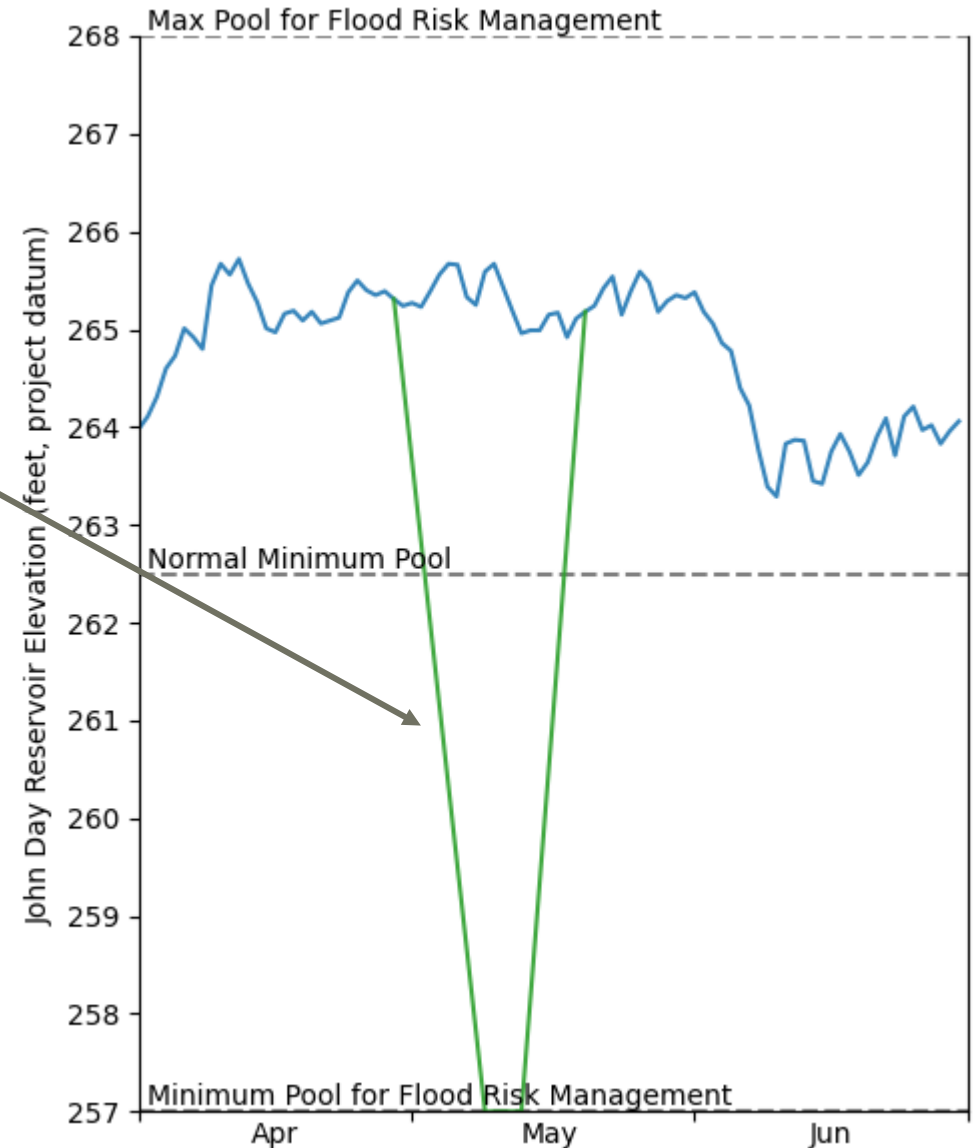
LAKE ROOSEVELT: MODERATELY-WET WATER YEARS





JOHN DAY RESERVOIR WATER LEVELS

During the wettest water years, John Day reservoir may be drawn down and refilled for Real Time Flood Risk Management





ENDANGERED SPECIES ACT CONSULTATION

The Co-lead Agencies are also reinitiating consultation with the USFWS under Section 7 of the ESA and evaluating any changes to the effects analyzed in the 2020 consultation with the National Marine Fisheries Service (NMFS).

The Co-Lead Agencies will continue to implement the 2020 NMFS and USFWS biological opinions during the pendency of the environmental compliance process.

The Co-Lead Agencies will work with USFWS and NMFS to develop the action for ESA consultation, coordinate environmental reviews, and maintain protections afforded to ESA-listed species and critical habitat under existing environmental compliance documentation.

	
UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL MARINE FISHERIES SERVICE West Coast Region 1201 NE Lloyd Boulevard, Suite 1100 PORTLAND, OREGON 97232 July 24, 2020	
Refer to NMFS No: WCRO 2020-00113	
Endangered Species Act - Section 7 Consultation	
BIOLOGICAL OPINION	
U.S. Fish and Wildlife Service Reference: 01EWF00-2017-F-1650	
Columbia River System Operations and Maintenance of 14 Federal Dams and Reservoirs	
Washington, Oregon, Idaho, and Montana	
Federal Action Agency: Army Corps of Engineers Bonneville Power Administration Bureau of Reclamation	
Consultation Conducted By: U.S. Fish and Wildlife Service Columbia Pacific Northwest Regional Office Portland, Oregon	
 Robyn Thorson, Regional Director Interior Region 9: Idaho, Oregon, Washington, Western Montana Interior Region 12: Hawaii & Pacific Islands	July 24, 2020 Date

Engineers
Suite 400
74

Magnuson-Stevens
response for the

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WHAT INPUT ARE WE SEEKING?

Any additional new information available since 2020 that is important that the Co-lead Agencies consider during this scoping exercise.

Resources of concern that could be affected by changes that have occurred since 2020.

Perspectives on how substantial these anticipated changes in the system are.

Recommendations for how the Co-Lead Agencies should consider this information under NEPA



NEXT STEPS

During the fall of 2024, the Co-Lead Agencies will review existing environmental compliance documents and additional information provided by the States, Tribes, and other stakeholders and will initiate any additional environmental compliance the review determines to be necessary.

Written comments can be submitted through comment form or via email to columbiariver@usace.army.mil

Submit comments by November 22, 2024

We anticipate publishing a Notice of Intent (NOI) in the Federal Register to prepare either an Environmental Assessment or Supplemental Environmental Impact Statement by December 20, 2024

After the publishing of the NOI, a full public involvement process will follow with additional opportunities to submit comments



THANK YOU

General information for Columbia River operations:

[Columbia River System Operations EIS - Home \(army.mil\)](#)

<https://www.usbr.gov/pn/>

[Columbia River System Operations \(CRSO\) Project \(DOE/EIS-0529\) - Bonneville Power Administration \(bpa.gov\)](#)

Contact information for Co-Lead Agencies: ColumbiaRiver@usace.army.mil

For Immediate Release

December 18, 2024

Redundant Environmental Review is Unlawful, Misleading, and Jeopardizes Services to Millions

Regional Coalition of Power, Navigation, and Agriculture Users Push Back on New Federal Environmental Review

Portland, OR - A coalition of regional leaders calls on the federal government to withdraw its decision to initiate new environmental reviews of the Columbia and Snake River dams. The coalition contends that a new National Environmental Policy Act (NEPA) analysis would be both premature and unlawful, warning that it would be incomplete and could mislead the public about these dams' vital role in supporting the region's economy and environment.

Given the sharp rise in energy costs and the notable improved recovery of salmon and steelhead returns, the coalition urges the federal government to withdraw its intent to pursue new environmental analyses on the operations of federal dams on the Columbia and Snake Rivers. This diverse group, representing millions of electric customers, businesses, farmers, and river commerce leaders, is concerned that additional reviews are unnecessary at this time.

The coalition argues that any supplemental NEPA analysis would be fundamentally flawed and misleading. There are significant concerns regarding the Co-Lead Agencies' proposal to base the analysis on interim reports from the 12/14 Agreement studies and unscientific policy documents, which lack conclusive findings. Relying on these incomplete studies undermines the integrity of the NEPA process and risks rendering the Final NEPA document unlawful, as NEPA is designed to promote informed decision-making. According to the coalition, proceeding with a NEPA analysis based on such interim reports does not fulfill this essential objective.

The proposed environmental review could lead to breaching federal hydropower facilities that serve as the largest source of affordable, reliable, clean energy for millions of people in the region while also providing world-class, clean river transportation for the regions and nation's economies.

The coalition responded to the Biden Administration's decision to move forward with a "Notice of Intent" to redo an Environmental Impact Statement (EIS) completed in 2020. That study—just four years old—cost regional electric customers more than \$55 million and

considered more than 400,000 comments before concluding that our hydropower dams need to stay in place.

The 2020 study concluded that federal hydropower dams and locks are essential to maintaining affordable electric rates, reliable energy service to homes and businesses, and lower carbon emissions. Hydropower is the largest source of affordable, renewable, dispatchable generation in the Pacific Northwest.

Since that time, energy load forecasts have exploded. According to a 2024 report from the Pacific Northwest Utilities Conference Committee, “Demand for electricity is projected to increase from about 23,700 average megawatts (aMW) in 2024 to about 31,100 aMW in 2033 (an increase of 7,400 aMW), which is an increase in demand of over 30% in the next 10 years.”

The federal government’s decision comes as electricity cost increases in the Pacific Northwest far outpace the national growth rate. According to the U.S. Energy Information Administration, retail electric rates across Oregon, Washington, Idaho, and Montana increased between 5.9-11.4% between 2022 and 2023— doubling (or far more) the 2.6% average rate of increase across the U.S. during the same period. The decision to proceed with additional environmental studies ignores publicly available data showing significant, sustained increases in fish returns.

Average salmon and steelhead returns have more than tripled at Bonneville Dam on the Columbia River and more than quadrupled at Lower Granite Dam on the Snake River during the last 15 years when compared to the first adult fish counts at those facilities, according to data sourced from the University of Washington College of the Environment’s Data Access in Real Time (DART) website.

Further, a peer-reviewed study commissioned by the National Oceanic and Atmospheric Administration in 2021, “Climate change threatens Chinook Salmon through their lifecycle,” provided the following conclusions:

- “Survival through Columbia and Snake River dams generally now meets recovery targets (>96%), and cumulative mortality over 500 km of in-river migrating fish (~50%) is similar to that estimated for unregulated rivers of similar length (i.e., Fraser River).”
- “Our analysis showed relative resilience in freshwater stages, with the dominant driver toward extinction being rising SST (sea surface temperature), which tracked a ~90% decline in survival in the marine life stage.”
- “Our results indicate that as one symptom of a changing ocean, rising SST (sea surface temperature) puts all of our study populations at high risk of extinction, despite actions within the hydrosystem to speed juvenile travel and increase in-river survival.”

This diverse group of power, navigation, and agricultural users in the Northwest has a strong demonstrated history, and a continued commitment, to engaging when appropriate in proper reviews of programs and policies impacting the Columbia River Basin, its citizens, economies, and the environment. To that end, this coalition will continue to carefully monitor developments on this proposed environmental review and potential impacts to the Northwest.

###

The Columbia Basin Regional Alliance for Transparent (RAFT) is a coalition formed by the Public Power Council, the Pacific Northwest Waterways Association, Northwest RiverPartners, Northwest Requirements Utilities, and other concerned stakeholders in the Pacific Northwest who are dedicated to safeguarding the value of hydropower and preserving the vitality of river commerce activities in and along the Columbia and Snake rivers.

Media Contacts:

Kurt Miller, Executive Director, Northwest Public Power Association | kurt@nwppa.org

Zabyn Towner, Executive Director, Northwest Requirements Utilities | ztowner@nru-nw.com

Clark Mather, Executive Director, Northwest RiverPartners | clark@nwrivpartners.org

Neil Maunu, Executive Director, Pacific Northwest Waterways Association | neil.maunu@pnwa.net

Scott Simms, CEO & Executive Director, Public Power Council | ssimms@ppcpdx.org

Michelle Hennings, Executive Director, Washington Association of Wheat Growers | michelle@wawg.org

Additional Supporting Organizations:

Association of Washington Business

Idaho Consumer Utilities Association

Idaho Wheat Commission

Montana Electric Cooperatives Association

Oregon Municipal Electric Utilities Association

Oregon People's Utility District Association

Oregon Wheat Commission

Oregon Rural Electric Cooperative Association

Washington Public Utility Districts Association

Washington Rural Electric Cooperative Association

Washington State Water Resources Association

United States Senate
WASHINGTON, DC 20510

December 19, 2024

The Honorable Jennifer Granholm
Secretary, U.S. Department of Energy
1000 Independence Ave, SW
Washington, D.C. 20585

Dear Secretary Granholm,

We write to you to immediately halt any further implementation of the Columbia River Basin Memorandum of Understanding (MOU) and commitments made by the United States Government (USG) in the final proposed stay in the Columbia River System Operations (CRSO) litigation made public one year ago.

The incoming administration should be allowed the time and opportunity to carefully review and shape the management of the Columbia River System, including the lower Snake River dams. The river system is the backbone of the Pacific Northwest, providing essential benefits to the region, including energy production, agricultural support, recreation, and transportation. We remain deeply concerned that key stakeholders from energy, agriculture, transportation, and other critical sectors have been consistently left out of the decision-making process regarding the future of the Federal Columbia River Power System, especially in regard to the dams on the lower Snake River. These industries, which are essential to the livelihoods of millions of people in the region, have had limited opportunities to fully voice their concerns or participate in discussions. This failure to engage with affected communities and industries not only undermines the principles of fair governance but also increases the risk for devastating economic and social consequences.

Specifically, we oppose efforts to reopen the 2020 CRSO Environmental Impact Statement (EIS) and Record of Decision (ROD) in the final days of this administration. The 2020 EIS process cost taxpayers \$55 million to conduct, was informed by substantial scientific data and over 450,000 public comments, and concluded that breaching the lower Snake River dams was not necessary and would jeopardize electric reliability in the region. It is our hope that future work in the region will value the input of all stakeholders and be based on a comprehensive, science-driven review of the facts—rather than predetermined political outcomes. Calling for duplicitous analysis on your way out the door would only indicate predisposition for dam breaching.

We recognize the importance of addressing concerns related to salmon and steelhead populations, and we are committed to seeking effective solutions that balance species conservation with the region's economic vitality. However, decisions regarding system operations must be made through a transparent, collaborative, science-based process that includes the input of all relevant stakeholders, not backroom deals and last-ditch efforts to signal interest in dam breaching. We remind you that Congress, and only Congress, can authorize the removal of Congressionally authorized dams in the region, and we have repeatedly signaled strong opposition to doing so.

We strongly urge halting further implementation of the MOU to guarantee the new administration has its opportunity to conduct a full, transparent examination that includes all relevant parties. Further, we strongly oppose any efforts to make last minute determinations about the future of the Columbia River System.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. E. Risch".

James E. Risch
United States Senator

A handwritten signature in blue ink, appearing to read "Mike Crapo".

Mike Crapo
United States Senator

A handwritten signature in blue ink, appearing to read "Cynthia M. Lummis".

Cynthia M. Lummis
United States Senator

A handwritten signature in blue ink, appearing to read "Steve Daines".

Steve Daines
United States Senator

A handwritten signature in blue ink, appearing to read "John Barrasso".

John Barrasso, M.D.
United States Senator

CC:

White House Council on Environmental Quality
Bonneville Power Administration
U.S. Army Corps of Engineers
U.S. Bureau of Reclamation



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Items of Business

Prepared By: Clint Whitney, Energy Services Director

Subject:

Resource Adequacy Update (15 minutes)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

BPA shared a summary of the [2024 Resource Program \(RP2024\)](#) results with the full report expected in January 2025. The results show to meet base case load obligations over the next twenty years that BPA will need to acquire conservation, demand response, and 300 megawatts nameplate of solar generation. In a medium load growth scenario (e.g. Tier 2 Loads), BPA will also need to acquire wind, small modular nuclear reactors, and geothermal resources. In a high load growth scenario (e.g. NR/NLSL loads), BPA will also need to acquire energy storage projects and still has unmet needs in the near term. BPA did not include natural gas plants as possible resources because of associated carbon attributes and punitive costs in Washington.

In December 2024, NERC released its [2024 Long-Term Reliability Assessment](#). The reliability assessment considers the mix of generating resources with various load growth scenarios. The summary risk for the Western Electric Coordinating Council (WECC) area, which includes most of the area west of Colorado except for California, with a normal risk for the 2025-2029 period. NERC does recognize most of the U.S. face "mounting resource adequacy challenges over the next 10 years as surging demand growth continues and thermal generators announce plans for retirement". Attached is the NERC reliability assessment for WECC-NW.

In summary, various reliability assessments continue to be generated with varying levels of concern. Resource adequacy will continue to be monitored and shared as information becomes available.

Fiscal Impact:

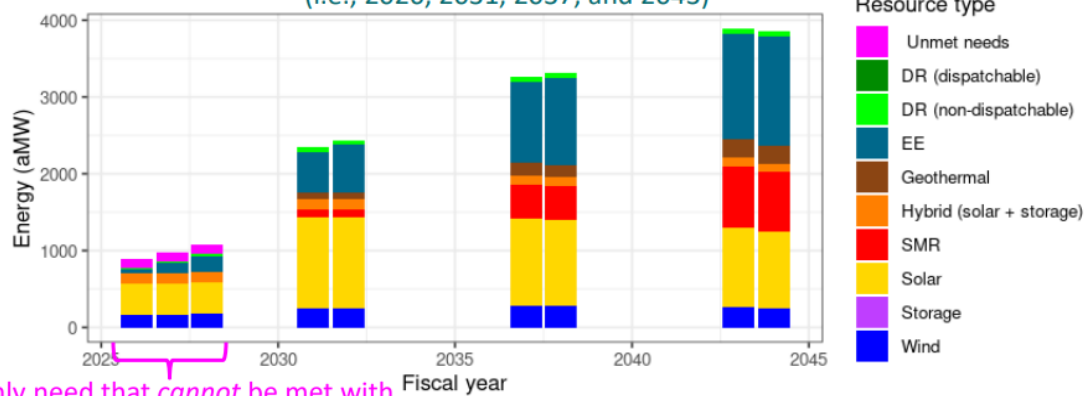
There is no fiscal impact.

Attachments:

1. BPA High Growth - Resource Plan
2. 2024 NERC RA for WECC-NW

High load adder: Mid-C annual aMW

New, large acquisitions made in every available year
(i.e., 2026, 2031, 2037, and 2043)



Only need that *cannot* be met with
resources in the model: Apr '28 HLH

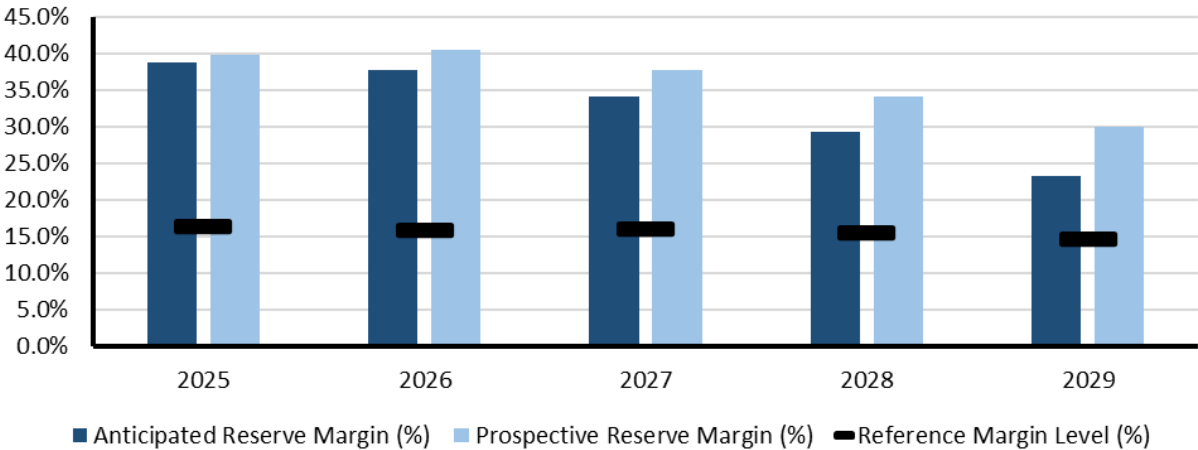


WECC-NW

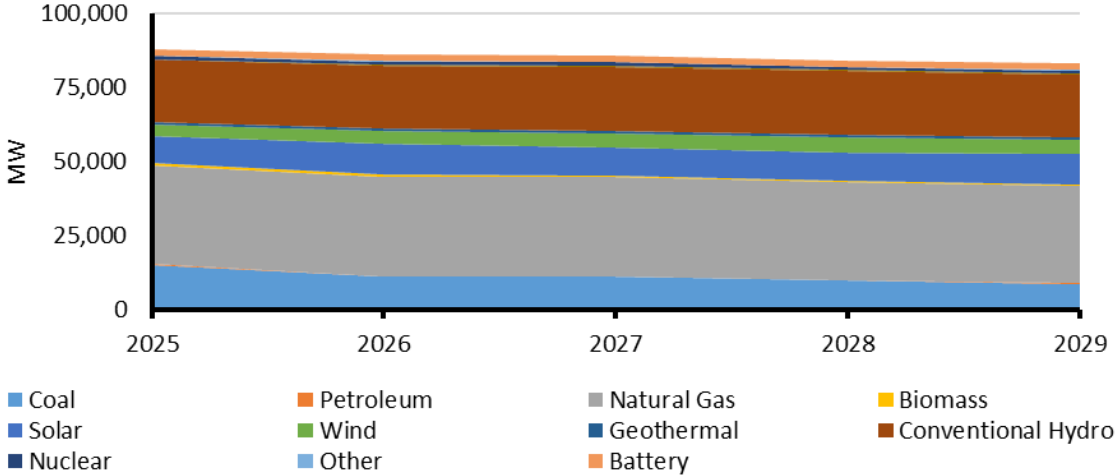
WECC-NW (Northwest) is a summer-peaking assessment area in the WECC Regional Entity. The area includes Colorado, Idaho, Montana, Oregon, Utah, Washington, and Wyoming and parts of California, Nebraska, Nevada, and South Dakota. WECC is responsible for coordinating and promoting BES reliability in the Western Interconnection. WECC’s 329 members include 39 Balancing Authorities, representing a wide spectrum of organizations with an interest in the BES. Serving an area of nearly 1.8 million square miles and more than 82 million customers, it is geographically the largest and most diverse Regional Entity. WECC’s service territory extends from Canada to Mexico. It includes the provinces of Alberta and British Columbia in Canada, the northern portion of Baja California in Mexico, and all or portions of the 14 western U.S. states in between.

Demand, Resources, and Reserve Margins

Quantity	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Total Internal Demand	68,274	69,745	71,580	73,626	75,079	75,917	76,736	77,462	78,316	78,835
Demand Response	806	808	811	814	806	809	812	814	817	820
Net Internal Demand	67,469	68,936	70,768	72,811	74,273	75,108	75,925	76,647	77,499	78,016
Additions: Tier 1	7,000	9,386	9,295	9,489	9,752	9,752	10,141	10,141	9,915	10,141
Additions: Tier 2	788	1,955	2,628	3,595	5,046	6,593	7,258	7,273	6,935	7,253
Additions: Tier 3	2,945	8,874	14,008	21,247	28,296	33,802	40,239	42,260	41,876	43,809
Net Firm Capacity Transfers	5,627	8,796	9,087	9,863	8,462	6,037	2,783	2,423	2,370	2,140
Existing-Certain and Net Firm Transfers	86,609	85,564	85,605	84,618	81,788	78,094	74,003	73,297	72,810	71,446
Anticipated Reserve Margin (%)	38.7%	37.7%	34.1%	29.3%	23.3%	17.0%	10.8%	8.9%	6.7%	4.6%
Prospective Reserve Margin (%)	39.9%	40.6%	37.8%	34.2%	30.0%	25.7%	20.4%	18.4%	15.7%	13.9%
Reference Margin Level (%)	16.3%	15.8%	15.9%	15.4%	14.7%	14.5%	14.3%	14.2%	14.4%	13.8%



Planning Reserve Margins



Existing and Tier 1 Resources

Highlights

- The ARM falls below the RML starting in Summer 2031. With the addition of Tier 2 capacity, the PRM stays above the RML for all years in the LTRA time horizon.
- Starting in Summer 2029 onward, the Northwest shows a shortfall of existing-certain and net firm transfers, meaning that imports may be necessary if new resources were to be significantly delayed. Five GW of baseload resource retirements are anticipated between 2024 and 2028. The energy needs are to be replaced by solar and wind, supported by BESS. Supply chain issues preventing the construction of BESS resources are a concern as they assist in meeting demand during shoulder periods where solar availability is dropping but loads remain high. LOLH and EUE are mitigated over the assessment horizon with the addition of Tier 3 resources.
- The Northwest is dual peaking, so the peak hour can occur in either the summer or the winter. Probabilistic modeling efforts show a peak in the summer for this LTRA. The summer peak for the total internal demand is expected to grow from about 66.4 GW in 2024 to 78.8 GW in 2034, which is lower than in the previous LTRA. This represents a nearly 18.7% load growth over the forecast horizon, with an average growth rate of 1.73%.

WECC-NW Projected Generating Capacity by Energy Source in Megawatts (MW)					
	2025	2026	2027	2028	2029
Coal	14,965	11,031	11,021	9,667	8,761
Coal*	14,661	10,223	10,607	9,349	8,060
Petroleum	321	321	319	319	316
Natural Gas	33,452	33,636	33,304	32,954	32,749
Biomass	729	723	683	683	604
Solar	9,086	10,191	9,350	9,431	10,379
Wind	3,924	4,566	4,939	4,939	4,561
Geothermal	884	934	933	1,007	997
Conventional Hydro	21,003	21,000	21,542	21,522	20,958
Pumped Storage	373	373	375	375	373
Nuclear	1,096	1,096	1,096	1,096	1,096
Other	64	64	64	64	64
Battery	2,084	2,219	2,188	2,188	2,219
Total MW	87,981	86,154	85,814	84,245	83,077
Total MW*	87,679	85,346	85,398	83,926	82,377
* Capacity with additional generator retirements. Generators that have announced plans to retire but have yet to be included in system plans are removed from the resource projection where marked.					

WECC-NW Assessment

Planning Reserve Margins

The ARM falls below the RML starting in Summer 2031. With the addition of Tier 2 capacity, the PRM stays above the Reference Margin for all years in the LTRA time horizon. Starting in Summer 2029 onward, the Northwest shows a shortfall of existing-certain and net firm transfers, meaning that imports may be necessary if new resources were to be significantly delayed.

Non-Peak Hour Risk, Energy Assurance, Probabilistic-Based Assessments

WECC performs a probabilistic analysis to evaluate the probability distribution curves of demand and resource availability together. The area where those curves overlap represents the possibility that there will not be enough resources available to serve the demand, or the “demand at risk.” The greater the overlap area, the greater the likelihood that this will be the case. For this analysis, WECC sets the risk tolerance threshold to the ODITY level, meaning that 99.98% of the demand for each hour is covered by available resources (i.e., the area of overlap is equal to no more than .02% of the total area of the demand curve for any given hour). The overlap—the demand at risk—increases when one or both curves move due to increases to expected demand or decreases to expected resource availability, or a combination of these (the curves maintain their original shape but move closer together, increasing the overlap). The overlap is also increased through variability. When rare events occur more regularly than predicted, the probability curve changes shape.

Results of the 2024 ProbA shown in the table below indicate negligible unserved energy and load-loss risk.

Base Case Summary of Results			
	2026*	2026	2028
EUE (MWh)	1,722	0	1
EUE (PPM)	4	0	0
LOLH (hours per year)	0.04	0	0
Operable On-Peak Margin	37.6%	36.1%	27.8%

* Provides the 2022 ProbA Results for Comparison

The resource adequacy work performed at WECC uses the MAVRIC model. The MAVRIC model is a convolution based probabilistic model and is WECC’s chosen method for developing probability metrics used for assessing demand and variable resource availability in every hour. In the resource adequacy environment, the reports produced support NERC’s seasonal assessments, LTRA, and Probabilistic Assessment, as well as WECC’s WARA.

Imports to the Northwest from the CA/MX region grow throughout the LTRA forecast horizon. A calm, cloudy, extreme heat event occurring in the Northwest and CA/MX regions simultaneously poses a risk to the Northwest by limiting surplus energy in CA/MX to send northward.

Energy variability is greater in the Northwest than other WECC regions due to the large share of wind and hydro in the portfolio. More variability in energy output requires a greater reserve margin to maintain resource adequacy.

For 2026 and 2028, the peak hour occurs in August at HE 17:00. LOLH and EUE are not forecast in 2026 and only occur for a single hour in 2028. The LOLH occurred in August at HE 19:00, slightly after peak. The LOLH corresponds with the declining solar availability in the evening while demand remains high.

Demand

The Northwest is dual peaking, so the peak hour can occur in either the summer or the winter. Probabilistic modeling efforts show a peak in the summer for this LTRA. The summer peak for the total internal demand is expected to grow from about 66.4 GW in 2024 to 78.8 GW in 2034, which is lower than in the previous plan. This represents a nearly 18.7% load growth over the forecast horizon, with an average growth rate of 1.73%. There are significant differences between balancing areas, with some showing large load growth impacts while others showing a slight decrease in demand. Entities reporting large load growth cite new data centers as a primary driver.

Demand-Side Management

In the Northwest, Idaho Power implements a substantial dispatchable DR program focused on the agricultural sector with its Irrigation Peak Rewards Programs. This allows Idaho Power to remotely turn off specific irrigation pumps a minimum of four times during the summer. Participation varies year to year based on factors such as the availability of water and program parameters. In 2022, the utility lengthened the season and included additional evening hours, which drove some reduction in participation that carried over to the Summer 2024 availability.

PacifiCorp states in its most recent Integrated Resource Plan (IRP) that it hopes to reach 1,123 MW of demand response by 2042 in its preferred portfolio plan, which is a 21% increase by 2042 from its previous plan. PacifiCorp’s dispatchable DR programs include residential, small commercial air-conditioner load control, irrigation load management, and 203 MW of interruptible contracts.

The Public Service Company of Colorado (PSCo) also offers a wide array of DR programs, such as Saver’s Switch, which is a program where the air-conditioning unit of a customer may be controlled

remotely and cycled during extreme heat events. Peak Day Partners allows for the direct load control and reduction of customers 0.5 MW or greater in size when system peaking conditions are met. The Interruptible Service Credit Option (ISOC) is a program where customers agree to reduce consumption in return for a rate discount with non-compliance being met with a fee.

Distributed Energy Resources

BTM DERs are difficult to measure due to data-gathering barriers. One example is Idaho Power’s filing of annual DER Resources Status Reports by customer class and resource type, such as in 2023.

Generation

Five GW of baseload resource retirements are anticipated between 2024 and 2028. The energy needs are to be replaced by solar, wind, and BESS, further increasing variability in the portfolio. Given the retiring of baseload resources, supply chain issues preventing the construction of BESS resources are a concern as they assist in meeting demand during shoulder periods where solar availability is dropping but loads remain high.

There is significantly more solar, wind, and energy storage in planned capacity additions than in the last LTRA. Additionally, several states in the region as well as cities and utilities are implementing renewable or carbon-free electricity targets. Retirements tend to be concentrated across three

resource types: coal, nuclear, and natural gas. Coal and natural gas units are being retired due to age and emissions.

Energy Storage

Energy storage is being relied on to help mitigate ramping risk from afternoon net demand due to increasing penetrations of solar. Many additions are being co-located into hybrid PV + storage, but there is also increased standalone battery storage. Learning curves for potential operational challenges to mitigate energy storage risks include further real-world testing under extreme weather conditions, especially extended high temperatures such as during heat waves, and exploring solutions to mitigate the risks of fire.

Capacity Transfers

The Northwest is showing greatly increasing import needs over the 10-year time horizon, especially in the winter months. Most of the imports in the model simulations come from CA/MX, with a smaller portion coming from BC.

Transmission

Twelve transmission projects with 500 kV and higher are planned.



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Items of Business

Prepared By: Clint Whitney, Energy Services Director

Subject:

Bonneville Power Administration Quarterly Report - 4Q24 (10 minutes)

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

Bonneville Power Administration (BPA) provides Tri-City electric utilities a quarterly update on significant transmission line projects BPA has planned in the region. Attached is the 4Q24 update of the BPA projects including:

- South Tri-Cities Reinforcement - New 500/115kV interconnection to the Tri-Cities 115kV transmission network.
- Richland-Stevens 115kV Line - Rebuild an existing 115kV line and add another 115kV line from Richland Sub to Stevens Sub.
- McNary Paterson Tap - A new 115kV line in the Paterson/Plymouth, WA area.
- Red Mountain-Horn Rapids 115kV Line - Rebuilding an existing 115kV line in West Richland, WA area

Completion of the four projects will relieve transmission constraints and add additional transmission capacity to the Tri-Cities 115kV network. The most significant project is the South Tri-Cities Reinforcement, followed by the Richland-Stevens 115kV line. The last of the projects is planned to be completed by winter 2027. However, BPA notes there are continued risks to the projects in the supply chain and labor markets.

The only material changes from 3Q24 to the latest 4Q24 update are changes to the McNary-Patterson Tap and the Richland-Stevens Drive 115kV Line costs. The McNary-Patterson Tap is projected to be complete April 2025. The more important projects to the City are the South Tri-Cities Reinforcement (Webber Canyon Sub) and the Richland-Stevens Drive 115kV projects which are projected to be complete December 2027 and April 2027, respectively.

Fiscal Impact:

There is no fiscal impact.

Attachments:

- I. BPA_STriCities Report Q4 2024



TRI-CITIES AREA REINFORCEMENT



BACKGROUND | Tri-Cities Area Reinforcement is a key part of Bonneville's greater strategic goal of delivering projects on-schedule and on-budget while minimizing planned outages. Bonneville is accomplishing this by improving project scoping, planning, contracting and project management processes to ensure efficient execution of our capital programs and maintenance activities.

THE PROJECTS | BPA is proceeding with four large projects in the Tri-Cities region. The primary goal of this work is to improve reliability and system flexibility. These projects have the added benefits of increasing BPA transmission capacity into the area, improving security, and modernizing BPA's substations and lines.

The **South of Tri-Cities Reinforcement** adds a new 500 kV substation, Webber Canyon, and a 115kV line to our existing Badger Canyon substation. This ties the Tri-Cities region into the 500kV Grid. This project provides both short term operational and maintenance needs, long term reliability and additional load growth capacity to the Tri-Cities region.

The **McNary-Paterson Tap** is a new 115 kV line from McNary Substation to south Benton County. This project resolves low-voltage issues in Paterson Load area and provides some through flow relief.

Both the **Red Mountain-Horn Rapids** and **Richland-Stevens Drive 115 kV lines projects** will provide reinforcement. Under peak conditions, one line out could cause the other to overload. All four projects together will allow for additional load and mitigate bottlenecks in the Richland area.

BPA is committed to the continued outreach to our customers, constituents, and the public. We are working with local electric utilities in coordinating efforts and public outreach specific to these projects.



Please note: Next quarter bulleted items & project schedules are estimates. They are subject to change due to potential issues such as site conditions, supply chain issues, or staffing resources.

Project Name	Estimated Project Cost	Proposed Energization
South Tri-Cities Reinforcement	\$107M	Winter 2027
McNary-Paterson Tap	\$20M	Spring 2025
Red Mountain-Horn Rapids 115 kV Line	\$3.6M	Summer 2025
Richland-Stevens Drive 115 kV Line	\$17M	Spring 2027



TRI-CITIES AREA REINFORCEMENT

South of Tri-Cities Reinforcement

❖ Last Quarter

- ✓ Continued design with our consultant.
- ✓ Ongoing outreach with landowners on new and existing Right-Of-Way
- ✓ The second set of transformers' manufacturer drawings received.
- ✓ NEPA field surveys complete.
- ✓ Draft EA undergoing BLM review.
- ✓ Yakama Nation is conducting the Traditional Cultural Property Study of the project area.
- ✓ Completed the construction of the Badger Reata project to add a 115kV bay to terminate the Webber Canyon 115kV line.

❖ Next Quarter

- ✓ Ongoing coordination substation land acquisition with DNR.
- ✓ Finalizing design
- ✓ Receive the Traditional Cultural Property Study of the project area.
- ✓ Continue landowner outreach and coordination.
- ✓ Finalize project construction sequencing plan.
- ✓ Issue the Draft EA for public review.
- ✓ Plan & conduct public meetings.

McNary-Paterson Tap

❖ Last Quarter

- ✓ Ongoing Transmission line construction.
- ✓ Partnering with Tribal Monitor to comply with MOA.
- ✓ McNary Substation new bay 11 addition substantially complete.
- ✓ All railroad permit and crossing work complete

❖ Next Quarter

- ✓ Transmission line construction in progress.

- ✓ Substantial completion is set for April 2025.

Red Mountain-Horn Rapids 115kV line

❖ Last Quarter

- ✓ Design resubmittal complete.
- ✓ Continue to work on Land Acquisitions
- ✓ Construction brought back in-house.

❖ Next Quarter

- ✓ Continue working on construction planning and coordination.
- ✓ Award environmental implementation contract.
- ✓ Construction kickoff meeting with BREA.
- ✓ Tree acquisition and tree removal.
- ✓ Transmission line and access roads construction kickoff.

Richland-Stevens Drive 115kV line

❖ Last Quarter

- ✓ Finalizing design with consultant.
- ✓ Continued coordination with the City of Richland and the Richland School District.
- ✓ Finalize the construction agreement with the City of Richland
- ✓ Finalizing the construction plans and package.

❖ Next Quarter

- ✓ Finalize the Transportation Plan.
- ✓ Order major construction materials.
- ✓ Award construction contract.

Risks:

- ✓ Outage restrictions: outages needed for the program will be challenging to plan.
- ✓ An alternative fiber design for South TriCities is required.
- ✓ Land acquisition: potential legal, regulatory, and environmental risks might impact the timing for obtaining the land and the right of way for the projects.
- ✓ Supply chain: continuous disruption in the flow of services and supplies.



TRI-CITIES AREA REINFORCEMENT

CONTACT

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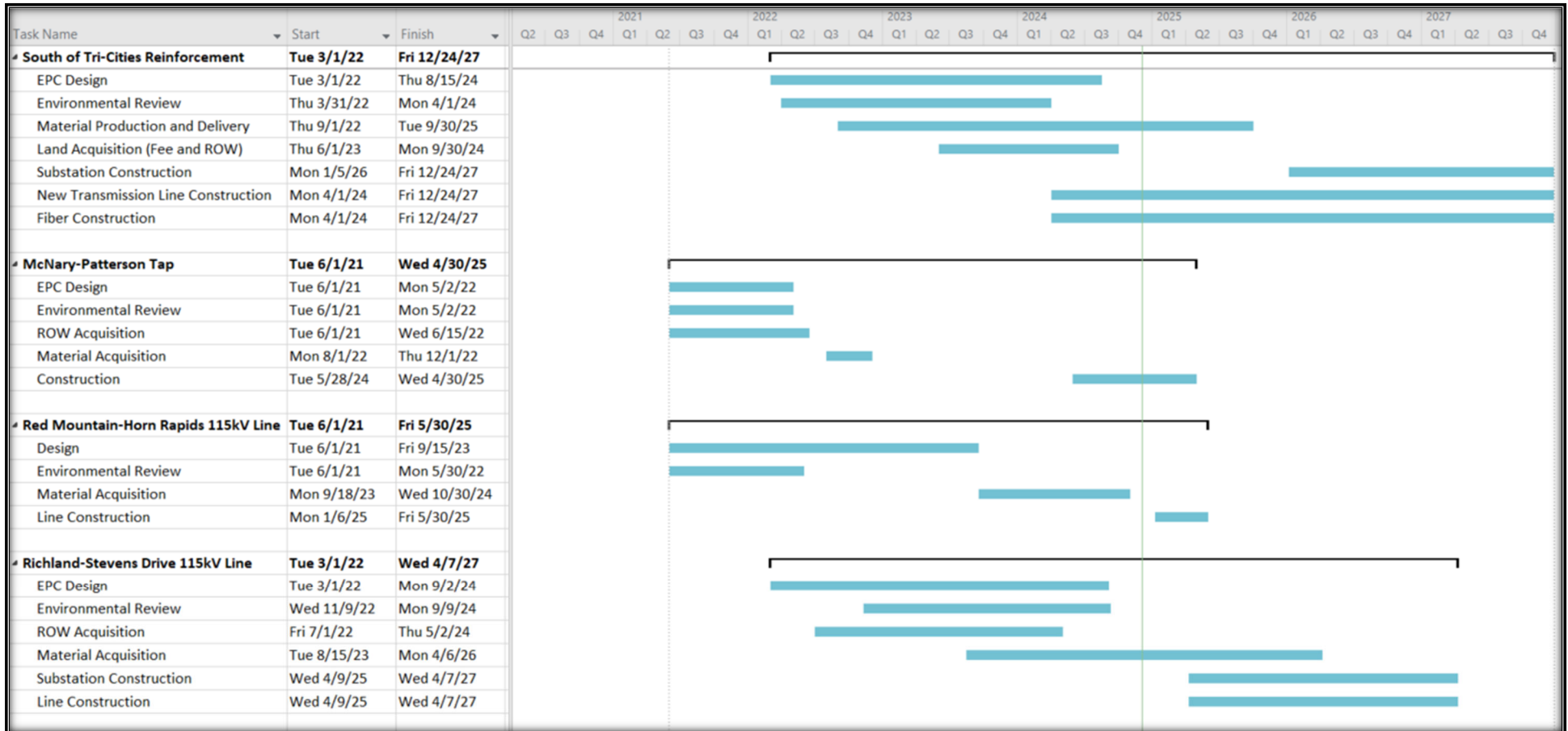
Senior Project Manager (TEPS-TPP-1)

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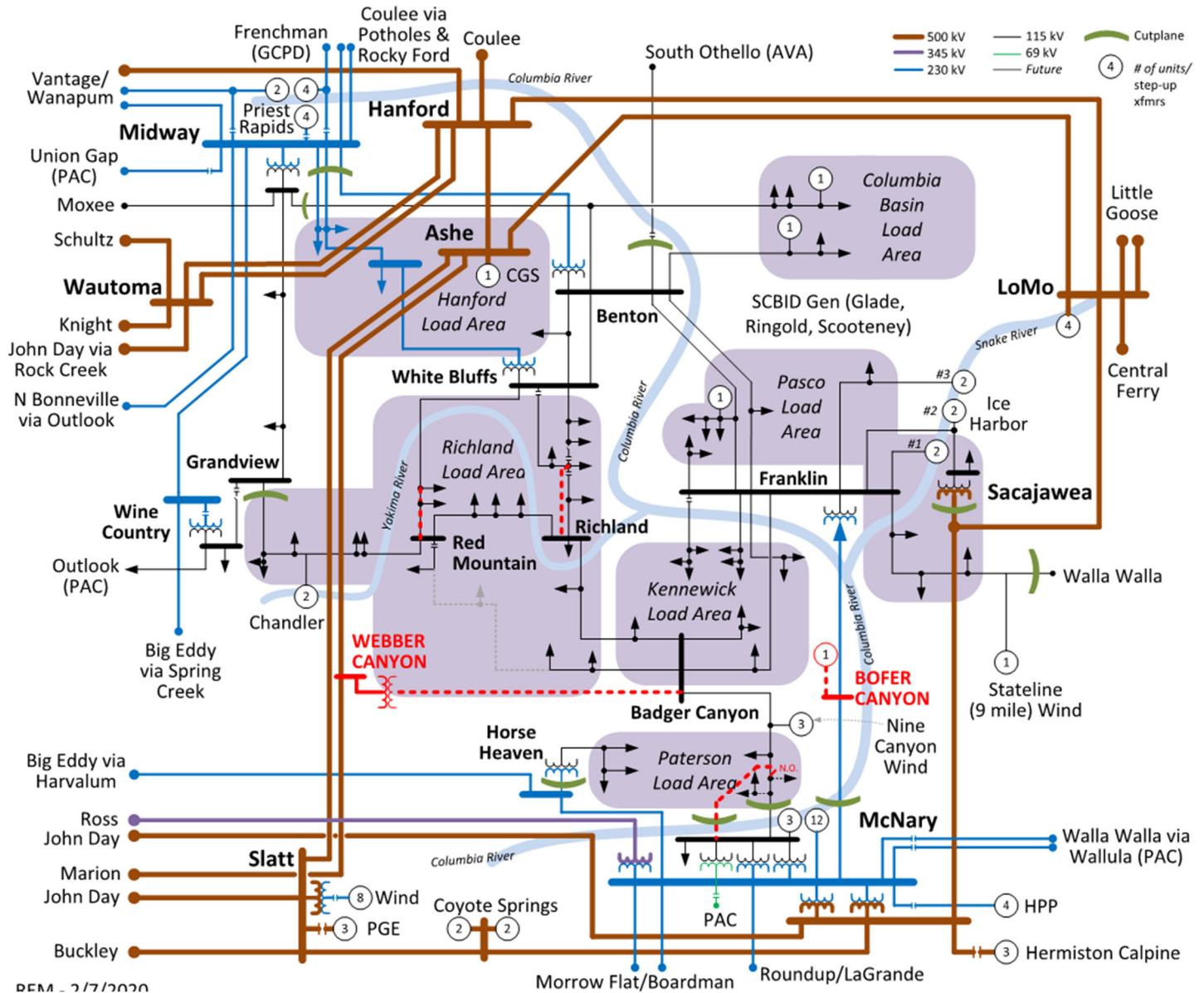


TRI-CITIES AREA REINFORCEMENT



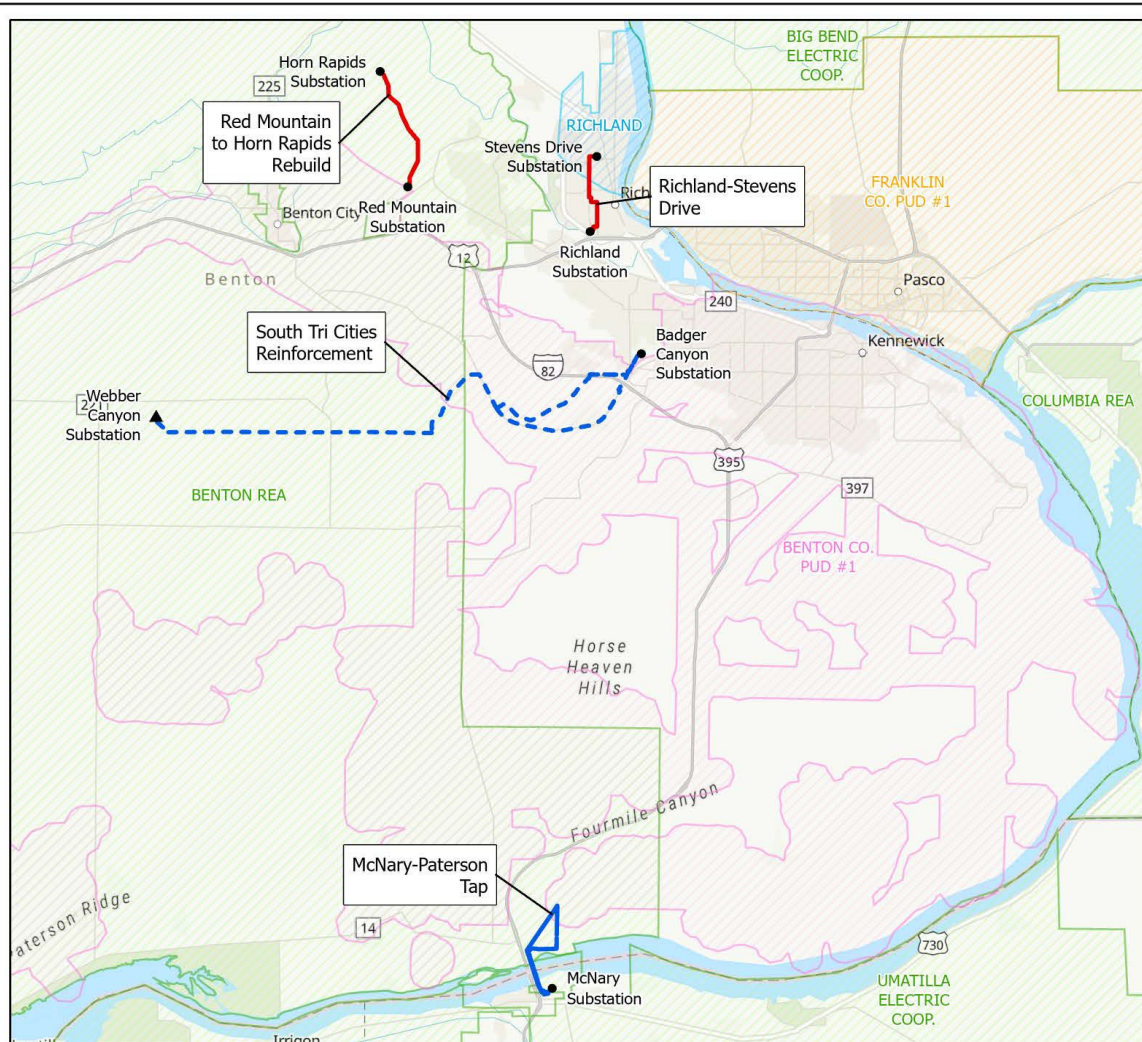


TRI-CITIES AREA REINFORCEMENT





TRI-CITIES AREA REINFORCEMENT



Tri-Cities Area Reinforcement

- Existing Substation
- ▲ Planned Substation
- Transmission Line Rebuild
- Proposed Transmission Line
- - - Proposed Transmission Line Route Options

PUBLIC UTILITY TERRITORIES

- Cooperative
- Municipal
- Benton Co. PUD #1
- Franklin Co. PUD #1



Miles

0 2 4 8 12

Pre-decisional



Map Location

Date: 6/12/2023



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Other Informational Items

Prepared By: Clint Whitney, Energy Services Director

Subject:

Capital Work Plan Update - November 2024

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

Attached is a summary of Energy Services capital work through November 2024. The overall projected annual capital expenditures is \$8.9M of the \$11.4M that was originally planned. The \$2.5M capital reduction is a result of Stevens & Thayer Substation rebuild projects that were pushed to 2026/2027 to align with BPA's revised schedule. However, one of the substation power transformers was received and paid in 2024. Capital expenditures through November are \$8.4M.

The 2024 capital work budget includes YTD expenses of:

- Line extensions - \$1.8M
- System Improvements - \$275K
- Renewal and Replacement - \$3.2M
- Purchase of Southwest Service Area Infrastructure - \$444K
- Substation Improvements - \$1.4M
- Fusion Substation - \$0
- Sand Hill Crane Substation Bank 3 (new) and Bank 4 (future) - \$1.3k

There were two Carry Over Projects from 2023:

- AMI Project - The final shipment of electric meters was received in early January. As of January 10th, 31,270 electrical AMI meters have been installed with 78 meters remaining. Similarly, 21,972 water AMI meters have been installed with 180 meters remaining.
- City View Bank 2 - Completed in March 2024

Fiscal Impact:

There is no fiscal impact.

Attachments:

I. RES CWP REPORT-November2024



CITY OF RICHLAND
WASHINGTON

Richland Energy Services Capital Work Plan November 2024



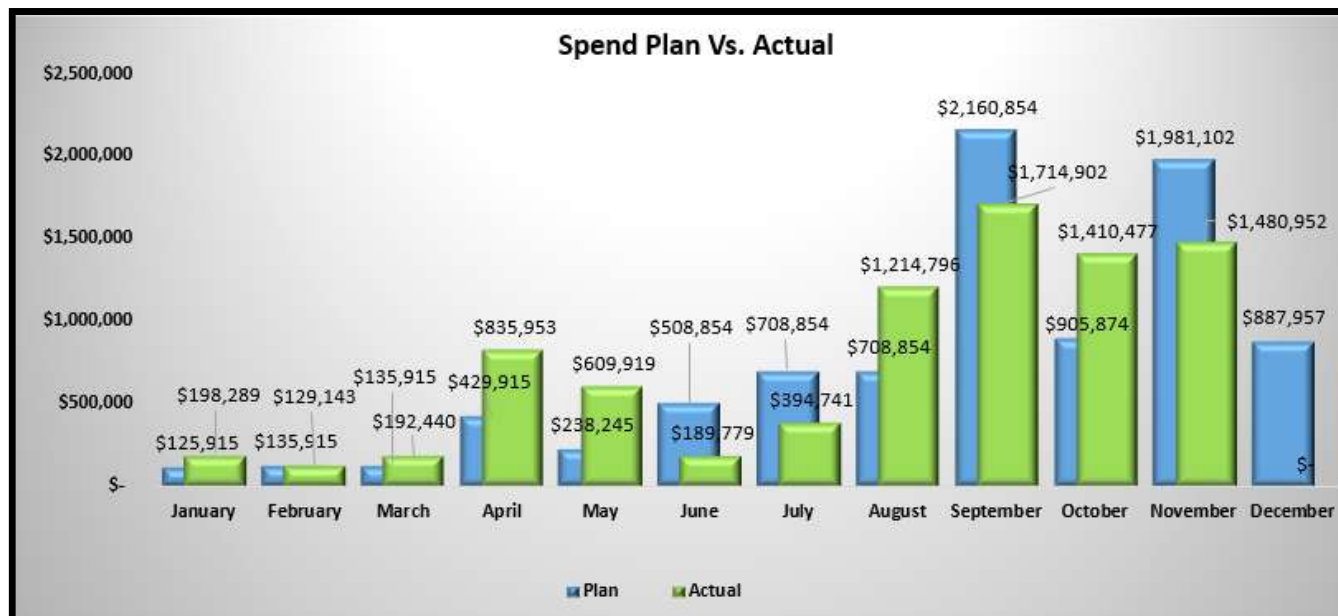
CWP Costs through November

	Approved 2024 Budget	2024 Revised Budget	Actual	Remaining	November
+ Line Extensions	\$983,000	\$ 983,000	\$ 1,777,525	\$ (794,525)	\$ 13,928
+ System Improvements	\$473,000	\$ 473,000	\$ 274,693	\$ 198,307	\$ 45,363
+ Renewal and Replacement	\$2,627,000	\$ 3,789,654	\$ 3,162,798	\$ 626,856	\$ 139,427
+ Purchase Southwest Service Area Infrastructure	\$212,000	\$ 212,000	\$ 443,718	\$ (231,718)	\$ -
+ Substation Improvements	\$6,597,000	\$ 1,780,600	\$ 1,426,204	\$ 354,396	\$ 1,281,132
+ Fusion Substation	\$530,000	\$ -	\$ -	\$ -	\$0.00
+ Sandhill Substation Area Improvements	\$0	\$ 1,690,000	\$ 1,271,406	\$ 418,594	\$1,101.93
Grand Total	\$11,422,000	\$ 8,928,254	\$ 8,356,342	\$ 571,912	\$1,480,952

Cost Performance YTD:	\$8,356,342
Cost Performance remaining:	\$571,912
YTD % Complete	94%



CWP Monthly Spend Vs. Actuals



% Complete of Overall Spend		
To-Date Project	\$	8,040,297
Actual	\$	8,371,391
Variance	\$331,094	104%

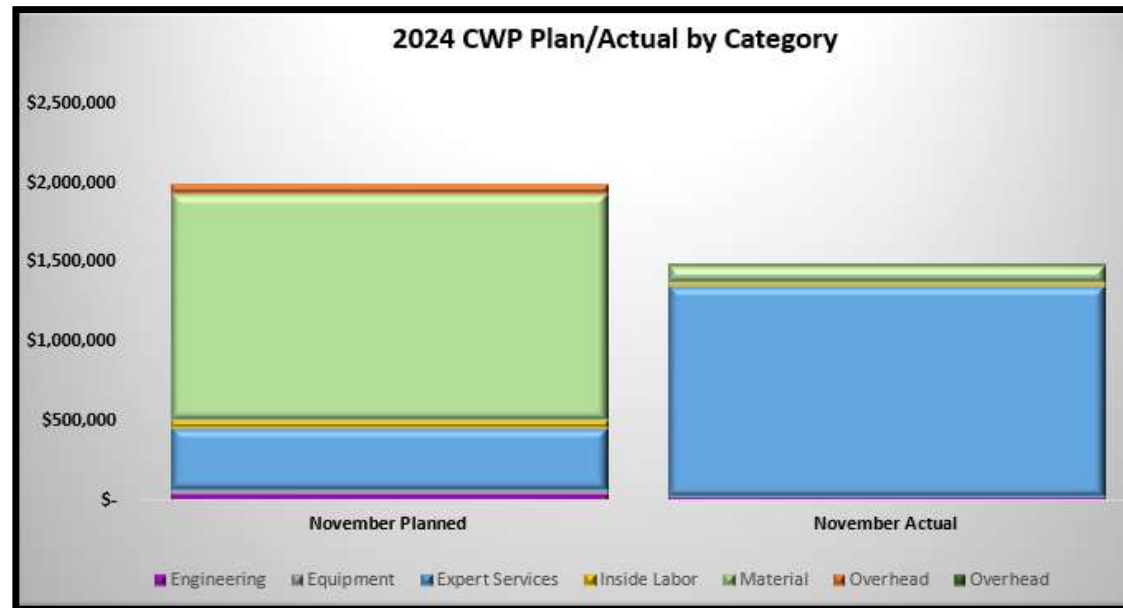


Costs by Category





CWP Cost Types



Cost Type	November Planned	November Actual
Engineering	\$ 32,638	\$ 12,963
Equipment	\$ 20,333	\$ -
Expert Serv	\$ 392,602	\$ 1,324,565
Inside Labor	\$ 53,333	\$ 21,007
Material	\$ 1,423,946	\$ 113,772
Overhead	\$ 58,250	\$ 8,644
Total	\$ 1,981,102	\$ 1,480,952



CWP Project Costs for November

	Approved 2024 Budget	2024 Revised Budget	Actual	Remaining	November
✚ Line Extensions	\$983,000	\$ 983,000	\$ 1,781,971	\$ (798,971)	\$ 13,928
✚ System Improvements	\$473,000	\$ 473,000	\$ 274,693	\$ 198,307	\$ 45,363
✚ RES OH UG ENG DESIGN DWGS	\$0	\$ -	\$ 7,313	\$ (7,313)	\$661.59
✚ TEMPORARY SERVICES	\$0	\$ -	\$ 650	\$ (650)	\$0.00
✚ SKYLINE DR DEVELOPMENT; NEW PRIMARY A	\$0	\$ -	\$ 16,017	\$ (16,017)	\$0.00
✚ 107 Casey Ave install 50 KVA OH transformer	\$0	\$ -	\$ 635	\$ (635)	\$0.00
✚ Material Specifications	\$0	\$ -	\$ 27,240	\$ (27,240)	\$2,736.64
✚ Move vault, install switch, re-route 4" PVC a	\$0	\$ -	\$ 25,942	\$ (25,942)	\$24,881.54
✚ NEW & ALT SVCS - OVERHEAD	\$0	\$ -	\$ 2,102	\$ (2,102)	\$0.00
✚ NEW & ALT SVCS - UNDERGROUND	\$473,000	\$ 473,000	\$ 194,173	\$ 278,827	\$17,083.02
✚ Renewal and Replacement	\$2,627,000	\$ 3,789,654	\$ 3,162,798	\$ 626,856	\$ 139,427
✚ Renewal and Replacement	\$152,000	\$ 352,000	\$ 197,293	\$ 154,707	\$49,476.21
✚ Pole Replacement Program	\$614,000	\$ 614,000	\$ 312,414	\$ 301,586	\$0.00
✚ UG Cable Replacement	\$1,861,000	\$ 2,823,654	\$ 2,653,090	\$ 170,564	\$89,950.64
✚ Purchase Southwest Service Area Infrastructure	\$212,000	\$ 212,000	\$ 443,718	\$ (231,718)	\$ -
✚ Substation Improvements	\$6,597,000	\$ 1,780,600	\$ 1,436,807	\$ 343,793	\$ 1,281,132
✚ Demand Response by Voltage Reduction (D	\$0	\$ -	\$ 3,286	\$ (3,286)	\$0.00
✚ Gateway Substation 2021 Project	\$0	\$ -	\$ 11,059	\$ (11,059)	\$0.00
✚ City View Bank 2 Addition	\$0	\$ -	\$ 61,553	\$ (61,553)	\$1,028.43
✚ Gateway Substation Feeder 151	\$0	\$ -	\$ 840	\$ (840)	\$0.00
✚ Stevens/Thayer Rebuild Design	\$4,770,000	\$ -	\$ -	\$ -	\$0.00
✚ Thayer Substation - Bank 1 Rebuild and 115k	\$0	\$ 1,543,600	\$ 1,329,787	\$ 213,813	\$1,278,911.58
✚ Substation Spill Prevention Control and Cou	\$1,590,000	\$ -	\$ 3,177	\$ (3,177)	\$0.00
✚ RES SCADA Radio Upgrade	\$38,000	\$ 38,000	\$ -	\$ 38,000	\$0.00
✚ Substation Security Improvements	\$117,000	\$ 117,000	\$ -	\$ 117,000	\$0.00
✚ Relay Replacement	\$82,000	\$ 82,000	\$ 652	\$ 81,348	\$652.40
✚ Fusion Substation	\$530,000	\$ -	\$ -	\$ -	\$0.00
✚ Sandhill Substation Area Improvements	\$0	\$ 1,690,000	\$ 1,271,406	\$ 418,594	\$1,101.93
✚ Sandhill Crane Substation Bank 3 Addition	\$0	\$ 1,645,000	\$ 1,271,406	\$ 373,594	\$1,101.93
✚ Sandhill Bank 4 Addition	\$0	\$ 45,000	\$ -	\$ 45,000	\$0.00
Grand Total	\$11,422,000	\$ 8,928,254	\$ 8,371,391	\$ 556,863	\$1,480,952



2023 Carry Over Projects

Carry Over Proje	Costs-to-date 2024	Comments
AMI	\$ 804,299.92	Due to complete October 2024
City View Bank 2	\$ 1,884,815.60	Metalclad delivered 01/04, Construction Completed 03/24
Total	\$ 2,689,115.52	



UTILITY ADVISORY COMMITTEE AGENDA ITEM COVERSHEET

Meeting Date: 1/14/2025

Agenda Category: Other Informational Items

Prepared By:

Subject:

Forward Agenda

Department:

Energy Services

Recommended Motion:

This item is informational only.

Summary:

Bonneville Provider of Choice - Draft Contract Review - March 2025

Resource Review (inventory, staffing, wholesale power) - May 2025

Key Performance Indicators Review - May 2025

Bonneville Provider of Choice - Final Contract Review - July 2025

Status of Transmission Interconnection and Final Investment Decision for Atlas Agro - July 2025

Electric Rates Review & Rate Design Options with Presentation by FCS – September 2025

AMI Time of Use (TOU) and Demand Rate Discussion - November 2025

Fiscal Impact:

There is no fiscal impact.

Attachments: