

From: Sonoda,Cherie D (BPA) - PGAC-RICHLAND
Sent: Thu Aug 11 14:42:51 2022
To: Smith,Glen A (BPA) - PG-5
Subject: 8/11/22 notes
Importance: Normal

My notes form today.

Response from Glen 8/10/22 email:

1. Review of budget schedule.

Brad not sure what the errors in the FY22 budget is. He will go back and take a look at it.

2. Status of proposed FY23 budget which includes labor estimate.

Brad: not ready to provide labor. He is working with HR. Rough estimate/really rough is \$4M. When is HR going to give a final answer? Brad not sure. Maybe mid-next week.

3. Update of Long Range Plan.

Joe: Not updated last year. Joe mentions agreeing to modifying the existing program. Joe wants to meet to get it put together. Joe and BPA found several deficiencies and they went through a process to revise, Joe thinks they are close. Add separate meetings to re-establish. Not ready for FY23. Can be usable for FY24. Joe will get a hold of B&V and set up a time to meet.

4. O&M and routine items and their associated justification.

List of OR&R justification sheets.

Joe has a ShareLife link that he used with Debbie. Joe will add Glen to it. That has the files for the justification sheet.

Meeting minutes distribution and review/approval.

Joe doesn't want a meeting minutes. Just summary of big decisions.

Initial verbal response from Joe on budget items:

- Adult fish study- did say he could try to engage TPU for joint funding. Still don't understand if there is an actual issue by F&W (we should look for correspondence for this requirement to study it). CFP does have to perform maintenance costs, but this is not maintenance- study for different design.
- Sediment removal- hope to do it this year. May not get to it so they added cost to FY23.
- Kiona creek they did get grant funding. Numbers in budget are just guesses. They don't know what the costs are going to be and put those in as a place holder.
- Bridge sections \$106k- want to be proactive and have those looked at. Have had dam safety people look at and others, but think it's good to have specialist take a look.
- Rockwall- estimates came back more so they need double that amount next year again.
- Protection and control support- district. Just estimate. They don't know, it's a new group at the

district that will perform work at CFP. Its 100hrs on labor.

- Scada- just a guess. They are working on actuals. Joe thinks \$200k may be too high. Do they really need re-programming that much?
- Temp Office- waiting on water permit. Hoping to get permit in September.
- CF vehicle- gas prices calculated at height and this may come down.

Special O&M

Temporary Office Space

- What is the current estimate?

The estimate is \$230,000 for the first year of the office modules.

- Do you have the required permits? If not, when do you expect them?

We are waiting for approval for the water permit. We expect approval of the water permit prior to the end of 2022. All other items have been approved by Lewis County.

- What is the expected timeline after permits are received?

We will bid out the project within two months and proceed with the work when weather allows in the spring.

Procurement Supervisor – Increase percentage from 15% to 50% from '22 to '23.

- What additional workload was added to this position in support of CFP to warrant such an increase?

- Please identify the new workload tasks and estimated hours to complete each task for '23.

Purchaser buyer (2) – two positions increasing CFP, one from 0% to 70% and one from 10% to 30% from '22 to '23.

- This looks like one of the three positions that is in dispute.

- What additional workload was added to this position in support of CFP to warrant such an increase?

- Please identify the new workload tasks and estimated hours to complete each task for '23.

Administration Position – Increase charging to Cowlitz Falls from 0% to 5% from '22 to '23.

- What duties have increased to warrant the change?

- Please identify the new workload tasks and estimated hours to complete each task for '23.

F&W Technician

- This looks like a disputed position.

- Looking for the workload and duties for this position as it would appear that, with Tacoma taking over fish related issues, the workload for a fish biologist and technician

should have decreased. What new workload or duties that are not being supported by Tacoma would this position accomplish?

- Please identify the new workload tasks and estimated hours to complete each task for '23.

CF Network Admin/Network Admin II – Increase in combined charges of 105% from '22 to '23 (90% and 15% respectively).

- This looks like the third disputed position.

- What changed in IT support of CFP that requires the additional manpower?

- What specific duties and estimated annual personnel hours are required to support the additional workload?

Business Services Manager – Increase from 0% to 12.5% from '22 to '23.

- What changed to prompt support from the Business Services Manager?

- What is the estimated annual personnel hours needed to support this change?

OR&R Questions

Spillway 4 Rail Extension – Construction

- How often is spillway maintenance on gate 4 done?

Annually

- When was the last time maintenance was completed on gate 4?

2021

- Is the design complete?

The spillway 4 rail extension design is complete. Staff and the consultant are working on the bid specifications. This will be bid in fall 2022.

- What is the current estimate and potential construction schedule?

The construction estimate is \$3,768,300. The current schedule is to award bid on March 20, 2023, begin onsite work on June 1, 2023, and complete project on January 4, 2024.

Debris Barrier Coating & Cathodic Protection – Construction

- When will you have permit from the Corps? Will this happen this year?

The Army Corps of Engineers had given no indication or response about timeline. I do not think we will receive the permit in 2022. There is a possibility that permit approval may not occur in 2023.

- Do you need permits before starting site prep work?

We will need the permit to perform any in-water work. We will be able to improve access to the site.

- Can you provide an updated construction cost and potential schedule?

The cost estimate is \$3,680,800 in the year that the construction occurs. The construction will take place when the permits are approved.

- Do you need NMFS, WDFW, Tacoma approval for the drawdown? Is it required for timing of work and something that you would ask for during the year of construction

We do not need approval for the drawdown but consult with the agencies and Tacoma Power about the best time to perform the drawdown. There will be restrictions we will place on the contractor for drawdown timing.

Boat Barrier Replacement – Design

- Has Lewis reviewed the security assessment with BPA?

Lewis gave an overview of the assessment with BPA including general recommendations. We can give another overview of this assessment.

Boat Barrier Replacement – Installation

- Does the '23 scope include procurement and installation?

Yes. This project does require permit approval. Therefore, the timing of this project is dependent on obtaining permits.

- What is the current costs for the project to complete?

\$1,800,000

New Facility - Site Preparation

- Is the county permit required before site prep begins?

Yes.

- Is the design complete? If not, when will it be complete?

Except for the water system, communication, and power, the site prep design is complete.

- What is the timing of year that the work needs to be completed in?

The work will be scheduled early to take advantage of contractor availability.

- What is the current estimate?

\$1,068,100

Sluice Gate Replacement - Design 2

- Is the study complete and has it been discussed with BPA?

The Alternative Analysis is complete. The CFD & Physical Model is complete. Both have been discussed with BPA.

- What is the current design estimate?

The total design costs are \$1,239,700 with \$867,700 in 2023.

5-Ton Bridge Crane

- What are current cost estimates?

In 2023, the budget amount is \$865,000. However, we are evaluating this amount to make sure it includes potential increases in material costs.

- Can this work be completed over a two year period?

Yes, but total costs would be greater with mobilization and scaffolding rentals.

- What is the tentative schedule for procurement and installation?

Bid in late 2022 or early 2023. Award bid in March /April 2023. Begin work in June 2023. Complete work in August 2023.

Trash Removal System – Design

- Has BPA reviewed the study results and alternative?

The trash removal alternative analysis was provided to BPA;

- It appears that the Justification Sheet has not been updated for a while. What are the current estimates for design?

The trash removal system justification sheet will be updated.

Transmission Line Access - Bridge Replacement

- Do you have a justification sheet for this? Searched LCPUD folder and didn't find it.

This is a new project. I am working on a justification sheet.

Generator Hatch Cover Seals & Drains

- Have the seals been procured?

The seals have been ordered.

- What is the current estimate and schedule for completion?

The estimate is \$215,000. This project will begin in June 2023 and be complete by August 2023.

Trash Rake Design

- What is the current estimate for design?

The design estimate is \$191,000.

- What is the current schedule for design?

The design will begin in January 2023.

Campground & Day Use Park Paving

- Can you provide pictures of the pavement showing conditions?

Yes. We will send pictures of the conditions of the roadways and parking lots.

- When was it last paved?

The Day Use Park had some paving performed in 2003. The Campground was paved in 2009, 2013, and 2016. These were mostly campsites that had not yet been paved.

Generator Protective Relay Replacement – Design

- Do you have a justification sheet for this? Searched LCPUD folder and didn't find it.

No. I am working on this justification sheet.

- What is prompting the relay replacement?

The relays are obsolete with no spare parts available, issues with some of the relays have yet to be solved, increasing difficulty of finding contractors with the correct test equipment and expertise.

- Are you having issues with the current system or obtaining spare parts?

Yes.

RT Fork Lift

We need to lift and move items that are difficult to perform manually. The gantry crane is not able to perform all the required lifting tasks.

Battery Chargers/Battery Bank Replacement

- How old are the current chargers and batteries?

The batteries and chargers are 30 years old.

- Are you experiencing any issues with them or have done any condition based analysis?

A capacity test is performed every 5 years. We perform daily, weekly, monthly, and annual inspections and maintenance with reports.

Security Improvements

- Are these based on an assessment?

Yes, improvements will be based on the assessment recommendations.

Drainage Gallery Air Supply - Alternative Analysis

- Is the current air supply system not operating?

The current system of air ducts does not provide adequate air flow.

- Is this project a life safety or for maintenance support?

This would improve life safety.

Elevator Controls – Design

- Are there issues with the current design?

No. The controls are obsolete with no spare parts available. We have had increasing issues with the control system and well with the motor.

- Do you have to maintain state certification?

Yes.

Campground A Loop Restroom – Design

- How bad is the current restroom?

The current restrooms are fine. This would be a new restroom for the A-loop. Currently we have a portable restroom available in the A-loop. We have increased visitation and now need an additional restroom.

- Are there any features that are inoperable?

No.

HVAC AH-1 Replacement Office Area

- Is the current HVAC operating?

The current system is failing, and spare parts are not available.

- What are the issues with the HVAC?

- is this a replacement or a betterment? Could be expense.

Replacement

Spillway Gate Control - Alternative Analysis

- What are the issues with the current control system?

The current control system is obsolete with no spare parts or vendor support available.

- What is the design and construction rough schedule?

The alternative analysis will recommend an option. The proposed schedule is to perform the alternative analysis in 2023, the design in 2024, and the installation in 2025.

Unit Instrumentation - Alternative Analysis

- What is this project for?

There are few monitoring points on our units. This would add a few monitoring points to the units. The additional data will assist with developing maintenance schedules, long-term asset management, and troubleshooting.

Unit Turbine Gage Board Inputs into SCADA – Installation

- Were these recently added?

This instrumentation is original, but the points are not input into SCADA. Thus, these data points are more difficult to trend.

Elevator Roof Access – Installation

- Is there no current roof access?

We use extension ladders to access the elevator roof. The elevator roof does not have handrails around the edge.

Major Office & Network Equipment

- Is this work expense?

This is for large office expenditures such as copiers and computer network equipment.

- What is the scope and why is it necessary?

This is normal office and network equipment

Roadway Gates

- Are these new gates or replacing existing ones?

This is both new roadway gates and replacement gates. This is to increase security and public safety.

- If new gates, is it based on a security assessment?

Yes. Also, to increase public safety.

Service Water VFD & Controls Replacement

- What does the service water feed?

The service water system provides water primarily to the turbine shaft seals and the HVAC system.

- Are there alternative sources?

The turbine shaft seals can be fed from the south wells. This source can have considerable organic material in the water. We do use both sources to provide water to the turbine shaft seals. The HVAC system does not have any other alternative source.

Downstream Notification Siren – Design

- Is there a downstream notification siren now? If so, does it work?

We have a siren to notify those downstream of our project of increasing flows. The siren works great for the nearby area. There is a fishing bridge three miles downstream that fisherman frequently use. The siren does not reach the fishing bridge. An additional siren located at the fishing bridge would provide this notification.

Day Use Park Flat Water Kayak Take Out

- Why is this urgent and a priority?

We have been asked by the recreation community to provide a flat-water kayak put-in/take-out. There has been a significant increase in flat-water kayak usage in our reservoir.

- Are there other areas to take a Kayak out?

Currently, flat-water kayaks use the boat launch to enter and exit the reservoir. . Therefore, a new flat-water kayak put-in/take-out will increase public safety by separating out the motorized boat traffic from the kayaks

Station Service Cabinet Inputs Into SCADA – Design

- What are the general scope of inputs? Are they related to other newly installed or planned to install devices?

The inputs will be the circuit breaker status (open/closed), disconnect status (open/closed), revenue meter data, voltage, and amperage.

| 2022 CFP Budget OR&R - Approved | | | | |
|---------------------------------|---|------|-----------|---------------------|
| Description | Detail | Life | Blue Book | Budget Year |
| | | | ID | 2022 |
| Electric Plant - Generation | 5-Ton Bridge Crane | 50 | 294 | \$ 490,000 |
| Electric Plant - Generation | Exciter Brush Dust Vacuum System | 25 | 37 | \$ 92,200 |
| Electric Plant - Generation | Generator Hatch Cover Seals & Drains | 25 | 32 | \$ 25,000 |
| Electric Plant - Generation | Revenue Meters | 15 | 466 | \$ 24,000 |
| Fish & Wildlife | Wildlife Mitigation Land | 100 | 0 | \$ - |
| Misc Expenses | Major Office & Network Equipment | 5 | 701 | \$ 25,400 |
| Misc Expenses | Security Improvements | 10 | 548 | \$ 50,000 |
| Misc Hydraulic Plant | Elevator Roof Access - Design | 100 | 236 | \$ 10,000 |
| Misc Hydraulic Plant | Lathe | 10 | 693 | \$ 18,000 |
| Misc Hydraulic Plant | New Facility - Site Preparation | 50 | 90 | \$ 60,000 |
| Misc Hydraulic Plant | Roadway Gates | 50 | 317 | \$ 12,000 |
| Misc Hydraulic Plant | Roadway Lighting | 35 | 108 | \$ 20,000 |
| Misc Hydraulic Plant | Spillway Handrail & Guardrail | 100 | 236 | \$ 226,585 |
| Recreation | Copper Canyon Take Out Site Improvements | 100 | 135 | \$ 1,600,000 |
| Resv., Dams & Waterways | Boat Barrier Replacement - Alternative Analysis | 25 | 48 | \$ 35,000 |
| Resv., Dams & Waterways | Boat Barrier Replacement - Design | 25 | 48 | \$ 41,375 |
| Resv., Dams & Waterways | Debris Barrier Coating & Cathodic Protection - Design | 25 | 48 | \$ 60,000 |
| Resv., Dams & Waterways | Mobile Diesel Generator & Log Bronc Cover | 20 | 49 | \$ 25,000 |
| Resv., Dams & Waterways | Sluice Gate Replacement - CFD & Physical Model Design | 50 | 241 | \$ 115,605 |
| Resv., Dams & Waterways | Sluice Gate Replacement - Design 1 | 50 | 241 | \$ 372,000 |
| Resv., Dams & Waterways | Sonar & Turbidity Sensors | 15 | 466 | \$ 25,000 |
| Resv., Dams & Waterways | South Downstream Abutment Wall Handrail | 100 | 236 | \$ 27,000 |
| Resv., Dams & Waterways | Spillway 4 Rail Extension - Design | 100 | 236 | \$ 330,025 |
| Resv., Dams & Waterways | Spillway Gate Hoist Covers - Construction | 50 | 239 | \$ 95,000 |
| Resv., Dams & Waterways | Spillway Gate Hoist Covers - Design | 50 | 239 | \$ 25,000 |
| Resv., Dams & Waterways | Trash Rake - Alternative Analysis | 40 | 255 | \$ 86,850 |
| Resv., Dams & Waterways | Trash Removal System - Alternative Analysis | 40 | 285 | \$ 76,630 |
| Transportation Equipment | Mower | 10 | 663 | \$ 22,000 |
| Transportation Equipment | Vehicle | 7 | 630 | \$ 7,500 |
| Transportation Equipment | Vehicle | 7 | 633 | \$ 7,500 |
| Grand Total | | | | \$ 4,004,670 |

From: Sonoda,Cherie D (BPA) - PGAC-RICHLAND
Sent: Fri Aug 19 10:35:41 2022
To: Smith,Glen A (BPA) - PG-5
Subject: 8/19/22 Notes
Importance: Normal

8/19/22

Glen said he would like contingency identified in budget. He mentioned adding a line in the budget identifying. Joe said he agreed.

Joe said new software can track each individual line item in the budget. Big advance. They don't have a full year available, but they have through July 2022. It will be helpful for future budgets. 2024 will provide a full year of information.

Spreadsheet/BPA questions- Joe said adult fish (2nd item) falls in the category of improving current site. Haven't had conversations with Tacoma on cost sharing. They could talk to them in the next couple of weeks. Currently use alternate release site.

Grant- not federal grant. Just an estimate. No idea what actual cost will be. Joe said it's not super well defined at this point.

RT fork lift does not need to be purchased now. It's an investment for the future. They don't have a fork lift and they think it would be better for safety to have one. They have rented in the past. If they rent they will have to plus up the "rental" line item.

Mistake on membership cost due to 15month budget. Brad will change on next version.

Bridge inspection- Figures it might be a good time for the bridge inspection. Not sure on the right timing, but probably should do it. Wants to have someone look at it and also help give an inspection timeline/cadence.

Brad took an action to follow up that they are not double counted. Shared software for maintenance tracking- have not been purchased, so they want to put them in and then they get put under Exhibit F. Potential for double counting.

Pricing and rental cost software is to be used by district and CFP- another A&G item.

Dam repairs. Line item 115- contingency. Unanticipated repairs. Did not do actuals for this year.

Joe will revise sheet for a fuller explanation and call out some labor items.

AGENDA

October 25, 2022

9:00 - 2:00

"Path to Approval"

Goal = agreed upon 2023 & 2024 O&M/Special O&M Budgets

- Introductions
- Roles and Responsibility
 - PPA and Exhibit H
- Timeline & Expectations
- Cost Categories (O&M, Special O&M, OR&R)
- Staffing
 - District approach to staffing / BPA information needs
 - Core CFP staff
 - Supporting staff
- Planning Projections and Cost Escalations
- Post Budget Agreement Discussions
 - PPA definitions
 - Re-licensing
 - Other

Budget Review

- O&M
 - Potential timing and scope revisions
- Special O&M
 - 2 Core CFP positions in review (Biologist, Project Engineer)
 - Supporting staff allocations (Purchasing, IS/IT, all other)
 - District allocation proposal
- OR&R in progress
- OR&R in evaluation
 - Project land
 - Potential timing and scope revisions

| 2023 - 2029 CFP Budget Estimates (2022 for reference) (Excludes Wages & Benefits) | Budget Year | | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
| Fish & Wildlife | \$ 210,380 | \$ 1,193,740 | \$ 497,300 | \$ 1,290,600 | \$ 1,509,700 | \$ 903,480 | \$ 1,276,570 | \$ 399,850 |
| O&M | \$ 210,380 | \$ 238,740 | \$ 137,300 | \$ 340,600 | \$ 909,700 | \$ 903,480 | \$ 726,570 | \$ 249,850 |
| American Fisheries Society (AFS) Membership | | \$ 110 | \$ 110 | \$ 110 | \$ 110 | \$ 110 | \$ 110 | \$ 110 |
| CISPUS ADULT FISH SITE RELEASE ANALYSIS | | \$ 75,000 | | | | | | |
| Creel Study | \$ 18,000 | | | \$ 50,000 | \$ 20,000 | | | |
| ESA BiOp Studies | | | | | \$ 748,000 | \$ 758,000 | \$ 580,000 | \$ 100,000 |
| Fish & Wildlife Contract Services (RTL Consulting) | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 |
| Fish Gate Position Indicators | \$ 32,000 | | | | | | | |
| Fishing Pond Sediment Removal | \$ 30,000 | \$ 30,000 | | | | | | |
| Habitat & Fish Recovery Services (WDFW) | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 |
| Habitat Management; Fertilizer, Spraying, Plants | \$ 9,000 | \$ 9,000 | \$ 9,300 | \$ 9,300 | \$ 9,300 | \$ 9,600 | \$ 9,600 | \$ 9,600 |
| Kid's Trout Derby | \$ 5,400 | \$ 5,600 | \$ 5,600 | \$ 5,800 | \$ 5,800 | \$ 6,000 | \$ 6,000 | \$ 6,200 |
| Mitigation Trout Program | \$ 45,000 | \$ 47,000 | \$ 49,000 | \$ 51,000 | \$ 51,000 | \$ 53,000 | \$ 53,000 | \$ 55,000 |
| Noxious Weed Control Contractor | \$ 9,300 | \$ 9,300 | \$ 9,500 | \$ 9,500 | \$ 9,500 | \$ 9,700 | \$ 9,700 | \$ 9,700 |
| TPU Rearing Facilities Studies | | | \$ 150,000 | | | | | |
| USGS Gauging Station Fees | \$ 41,600 | \$ 42,640 | \$ 43,700 | \$ 44,800 | \$ 45,900 | \$ 46,980 | \$ 48,070 | \$ 49,150 |
| Wildlife Society Membership | \$ 80 | \$ 90 | \$ 90 | \$ 90 | \$ 90 | \$ 90 | \$ 90 | \$ 90 |
| OR&R | \$ - | \$ 955,000 | \$ 360,000 | \$ 950,000 | \$ 600,000 | | \$ 550,000 | \$ 150,000 |
| (CHAP) Comprehensive Habitat Action Plan - Wildlife Evaluation | | | | | | | \$ 550,000 | \$ 150,000 |
| Alternative Fishing Derby Site Development - Construction | | | | \$ 600,000 | | | | |
| Alternative Fishing Derby Site Development - Design | | | \$ 200,000 | \$ 50,000 | | | | |
| Kiona Creek Enhancement | | \$ 120,000 | \$ 120,000 | \$ 750,000 | | | | |
| Man-Made Island Canal - Construction | | | | \$ 150,000 | | | | |
| Man-Made Island Canal - Design | | \$ 50,000 | | | | | | |
| Wildlife Meadows Unit #5 | | | \$ 40,000 | | | | | |
| Wildlife Mitigation Land | \$ - | \$ 785,000 | | | | | | |
| Fleet | \$ 37,000 | \$ 90,000 | \$ 72,000 | \$ 30,000 | \$ 83,000 | \$ 83,000 | \$ 45,000 | \$ 45,000 |
| OR&R | \$ 37,000 | \$ 90,000 | \$ 72,000 | \$ 30,000 | \$ 83,000 | \$ 83,000 | \$ 45,000 | \$ 45,000 |
| Mower | \$ 22,000 | | | | | | | |
| RT Fork Lift | | \$ 85,000 | | | | | | |
| Side By Side | | | \$ 30,000 | \$ 30,000 | | | | |
| Truck Box Crane | | \$ 5,000 | | | | | | |
| Vehicle | \$ 15,000 | | | | \$ 38,000 | | | |
| Vehicle for Replacement | | | | | \$ 45,000 | \$ 83,000 | \$ 45,000 | \$ 45,000 |
| Vehicle for Resource Worker | | | \$ 42,000 | | | | | |
| General | \$ 1,004,700 | \$ 1,094,460 | \$ 1,058,560 | \$ 1,091,960 | \$ 1,118,110 | \$ 1,149,210 | \$ 1,196,110 | \$ 1,229,680 |
| Special O&M | \$ 1,004,700 | \$ 1,094,460 | \$ 1,058,560 | \$ 1,091,960 | \$ 1,118,110 | \$ 1,149,210 | \$ 1,196,110 | \$ 1,229,680 |
| A&G Exhibit F | \$ 371,600 | \$ 382,800 | \$ 394,800 | \$ 405,600 | \$ 418,800 | \$ 430,800 | \$ 444,000 | \$ 457,200 |
| ASDSO - Government Membership | \$ - | \$ 50 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 |
| Auditing - Accountability | \$ 2,300 | \$ 2,350 | \$ 2,400 | \$ 2,500 | \$ 2,600 | \$ 2,700 | \$ 2,800 | \$ 2,900 |
| Auditing - Financial | \$ 19,000 | \$ 19,450 | \$ 20,200 | \$ 20,900 | \$ 21,600 | \$ 22,400 | \$ 23,200 | \$ 24,000 |
| Budget Facilitator | \$ - | | | | | | | |
| CEATI - MEMBERSHIP | \$ 65,300 | \$ 42,000 | \$ 42,000 | \$ 42,000 | \$ 42,000 | \$ 42,000 | \$ 46,000 | \$ 46,000 |
| CEATI - PROJECTS | \$ 30,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 20,000 | \$ 20,000 |
| Compliance Consultant | \$ 65,000 | \$ 65,000 | \$ 65,000 | \$ 70,000 | \$ 70,000 | \$ 70,000 | \$ 75,000 | \$ 75,000 |
| Document Management Software | | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 |
| Document Scanning | | \$ 5,000 | \$ 5,000 | \$ 5,000 | | | | |
| FERC Annual Fee | \$ 100,000 | \$ 103,000 | \$ 106,100 | \$ 109,300 | \$ 112,600 | \$ 116,000 | \$ 119,500 | \$ 123,000 |
| Fire District Payment | \$ 19,500 | \$ 20,000 | \$ 20,500 | \$ 21,000 | \$ 21,000 | \$ 21,500 | \$ 21,850 | \$ 22,200 |
| Infrastructure Grant Proposal (HDR) | | \$ 50,000 | | | | | | |
| INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS | \$ 7,200 | \$ 7,500 | \$ 7,900 | \$ 8,300 | \$ 8,750 | \$ 9,200 | \$ 9,600 | \$ 10,100 |
| INSURANCE - EXCESS LIABILITY | \$ 25,000 | \$ 26,000 | \$ 27,000 | \$ 28,000 | \$ 29,000 | \$ 30,000 | \$ 31,000 | \$ 32,000 |
| INSURANCE - LIABILITY | \$ 10,500 | \$ 11,000 | \$ 11,500 | \$ 12,000 | \$ 12,500 | \$ 13,000 | \$ 13,500 | \$ 14,000 |
| INSURANCE - PROPERTY | \$ 200,000 | \$ 210,000 | \$ 220,500 | \$ 231,500 | \$ 243,100 | \$ 255,250 | \$ 268,000 | \$ 281,420 |

What is the analysis for? Who will be performing the analysis? Does Tacoma have an interest in the analysis outcome? Please provide any agreements or MOU with Tacoma pertaining to this issue.

Was this work completed in FY22?

Please provide details of this cost expenditure and discuss basis for need and priority. Current justification sheet required.

Under legal review. BPA cannot support finding at this time.

| 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|---|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
| | Budget Year | | | | | | | | |
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | |
| (Excludes Wages & Benefits) | | | | | | | | | |
| LEGAL SERVICES - B-OP & FERC ISSUES | \$ 24,200 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | |
| LEGAL SERVICES - GENERAL ISSUES | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | |
| Long Range Plan Analysis | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | Please provide current LRP for BPA review and justification for necessity of perpetual costs. |
| NWHA Membership | \$ 800 | \$ 1,000 | \$ 1,000 | \$ 1,200 | \$ 1,200 | \$ 1,400 | \$ 1,400 | \$ 1,600 | |
| OFFICE SUPPLIES AND EXPENSES | \$ 9,300 | \$ 9,300 | \$ 9,600 | \$ 9,600 | \$ 9,900 | \$ 9,900 | \$ 10,200 | \$ 10,200 | |
| Records Clean Up | | \$ 15,000 | | | | | | | |
| Maintenance | \$ 4,060,220 | \$ 15,057,800 | \$ 4,051,900 | \$ 8,137,600 | \$ 9,180,600 | \$ 3,829,300 | \$ 3,448,800 | \$ 3,203,900 | |
| O&M | \$ 1,767,950 | \$ 1,333,900 | \$ 1,054,900 | \$ 856,600 | \$ 904,600 | \$ 704,300 | \$ 2,376,800 | \$ 1,853,900 | |
| 230 KV Circuit Maintenance | | | | \$ 45,000 | | | | \$ 45,000 | |
| ARC FLASH STUDY | \$ 35,000 | | | | | | | | |
| Automatic Transfer Switch Grouting | \$ 1,000 | | | | | | | | |
| AVR Testing | | | | | \$ 45,000 | | | | |
| Bridge Sections Inspection & Analysis | | \$ 106,000 | | | | | | | Please provide details of this expenditure. |
| Buffer Zone Management | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,600 | \$ 3,600 | |
| CAD Software Licensing | \$ 4,500 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | |
| Computer Software | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | |
| Construction Management Software | \$ 12,000 | \$ 7,600 | \$ 7,600 | \$ 7,800 | \$ 7,800 | \$ 8,000 | \$ 8,000 | \$ 8,200 | |
| Contract Crane Inspections | \$ 12,600 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 16,000 | \$ 16,000 | |
| Contract Diesel Generator Maintenance | \$ 10,000 | \$ 12,000 | \$ 12,000 | \$ 14,000 | \$ 14,000 | \$ 16,000 | \$ 16,000 | \$ 18,000 | |
| Contract Drafting Services | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 55,000 | \$ 55,000 | \$ 57,500 | \$ 59,500 | \$ 61,500 | Please provide details of this expenditure. What is needed updates. |
| Contract Maintenance Elevator | \$ 15,200 | \$ 18,500 | \$ 19,000 | \$ 19,500 | \$ 20,000 | \$ 20,500 | \$ 21,000 | \$ 21,500 | |
| Control Room / Office Area Repairs - Construction | \$ 586,030 | | | | | | | | |
| Control Room / Office Area Repairs - Design | \$ 7,500 | | | | | | | | |
| Control Room Paperless Recorders | \$ 42,000 | | | | | | | | |
| Dam Instrumentation | \$ 2,200 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | |
| Debris Barrier - Maintenance | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Debris Removal - Trash Rake Debris Box | \$ 6,000 | \$ 6,200 | \$ 6,200 | \$ 6,400 | \$ 6,400 | \$ 6,600 | \$ 6,600 | \$ 6,800 | |
| Diesel Generator Connection to Spillway Gates 2 & 3 | \$ 14,000 | | | | | | | | |
| Diesel Generator Load Bank | \$ 8,500 | | | | | | | | |
| Diving Services | \$ 16,500 | \$ 16,500 | \$ 17,000 | \$ 17,000 | \$ 17,500 | \$ 17,500 | \$ 18,000 | \$ 18,000 | |
| Drainage Pump | | | \$ 20,000 | | | | | | |
| Drainage Pump Handrail | \$ 2,500 | | | | | | | | |
| Drainage Sump Level Indication | | \$ 3,500 | | | | | | | |
| Drainage Sump Study | | \$ 48,000 | | | | | | | |
| Drainage System | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | |
| Electrical Parts | \$ 5,400 | \$ 14,400 | \$ 14,400 | \$ 14,800 | \$ 14,800 | \$ 15,200 | \$ 15,600 | \$ 16,000 | Please provide actuals for FY22. What items make up the increase in this proposed expenditure. |
| Equipment Rental | \$ 17,000 | \$ 17,000 | \$ 18,000 | \$ 18,000 | \$ 19,000 | \$ 19,000 | \$ 20,000 | \$ 20,000 | |
| Equipment Watch Annual Fee | | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | |
| FERC Part 12 Recommendations | | | \$ 125,000 | \$ 150,000 | \$ 150,000 | \$ 175,000 | \$ 175,000 | \$ 200,000 | |
| Forebay and Tailrace Level Sensor Replacement | | | \$ 45,000 | | | | | | |
| Fuel - Diesel Generator | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | |
| Gantry Crane Jib Hoist Load Cell | \$ 15,000 | | | | | | | | |
| Generator Bus Boots | \$ 8,000 | | | | | | | | |
| Generator Oil Mist Piping | \$ 3,000 | | | | | | | | |
| Generator Parameter Validation Testing | | | | \$ 120,000 | | | | | |
| Governor | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | |
| Governor and Turbine Oil Replacement | | | \$ 225,000 | | | | | | |
| Governor Jockey Pump | | \$ 4,000 | | | | | | | |
| Governor Oil Sump Level Indication | | \$ 5,000 | | | | | | | |
| GSU Transformer #1 Metering CT Replacement | \$ 15,000 | | | | | | | | |
| GSU Transformer Maintenance | \$ 3,240 | | | \$ 45,000 | | | | | |
| GSU Transformer Oil Processing & Testing | \$ 165,780 | | | | | | | | |
| GSU Transformer Testing | | | | | \$ 45,000 | | | | |
| HVAC | \$ 3,200 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,800 | \$ 3,800 | |
| Inspect Upstream Coating Spillway Gate 4 | | | \$ 60,000 | | | | | | |
| Instrumentation Parts | \$ 5,400 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | |

| 2023 - 2029 CFP Budget Estimates (2022 for reference) (Excludes Wages & Benefits) | Budget Year | | | | | | | | |
|--|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---|
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | |
| Investigate Draft Tube Liner Issues | \$ 25,000 | | | | | | | | |
| MAINTENANCE - LOG BRNC | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | |
| Maintenance - Unanticipated Dam Repairs | \$ - | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | What are actuals for the last three FY's in this category. What is the driver for amounts proposed? |
| Maintenance Management System | \$ 15,000 | \$ 15,000 | \$ 17,000 | \$ 17,000 | \$ 18,000 | \$ 18,000 | \$ 20,000 | \$ 20,000 | Please provide details of this line item cost expenditure. |
| Maintenance Supplies for Electric Plant | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | |
| Mechanical & Piping | \$ 9,000 | \$ 10,000 | \$ 10,000 | \$ 11,000 | \$ 11,000 | \$ 12,000 | \$ 12,000 | \$ 13,000 | |
| Mechanical Parts | \$ 10,600 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | |
| Metal | \$ 10,000 | \$ 13,000 | \$ 13,000 | \$ 14,000 | \$ 14,000 | \$ 14,500 | \$ 14,900 | \$ 15,300 | |
| Mobile Crane Maintenance | | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | |
| North Rock Wall Scaling | \$ 75,000 | \$ 150,000 | | | | | | | Prior rock scaling was estimated to be good for 6-7 years. Please provide reasoning this cost expenditure is required in FY23 |
| Oil Bearing Level Sensors - Unit 1 | | \$ 24,000 | | | | | | | |
| Oil Bearing Level Sensors - Unit 2 | | | \$ 24,000 | | | | | | |
| Oil Storage Tank Level Sensors | | \$ 6,000 | | | | | | | |
| Painting & Special Coatings | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | |
| Piezometer Pressure Transmitters | \$ 18,000 | \$ 18,000 | \$ 18,000 | \$ 18,000 | | | | | |
| Plant Lighting | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | |
| Plant Water Wells & Testing | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | |
| Protection & Control Support | | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | Please provide details of this line item cost expenditure. |
| Protective Relay Testing | | | | \$ 55,000 | | | | | |
| Recoat Top Deck Above Control Room | \$ 3,500 | | | | | | | | |
| Repaint Elevator Shaft Exterior | \$ 1,500 | | | | | | | | |
| Repaint Stairwell Interior | \$ 500 | | | | | | | | |
| Rotor Braided Jumpers | \$ 10,000 | | | | | | | | |
| Safety Equipment - Non PPE | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | |
| Sandblast and Coat Draft Tube Platform Brackets | \$ 3,000 | | | | | | | | |
| SCADA Network Support | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | |
| SCADA Support | \$ 120,000 | \$ 200,000 | \$ 120,000 | \$ 124,000 | \$ 128,000 | \$ 132,000 | \$ 136,000 | \$ 140,000 | What is the driver for the \$80k increase from FY22 |
| Seismic Study | \$ 150,000 | | | | | | | | |
| Septic System Maintenance - Dam | | | | \$ 4,000 | | | \$ 4,000 | | |
| Service Air Compressor | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | |
| Service Water System Design | \$ 2,500 | | | | | | | | |
| Service Water System Rehabilitation | | \$ 45,000 | | | | | | | |
| Sluice Gate Bulkhead Seals - Replacement | | \$ 2,500 | | | | | | | |
| SMAG Power Connection & Cable | \$ 4,500 | | | | | | | | |
| Smoke Detectors & Fire Water Systems | \$ 2,600 | \$ 3,000 | \$ 3,000 | \$ 3,400 | \$ 3,400 | \$ 3,800 | \$ 3,800 | \$ 4,200 | |
| Spillway Gate 4 Bottom Seal Repair | | | \$ 80,000 | | | | | | |
| Spillway Gate Finite Element Analysis | | \$ 90,000 | | | | | | | |
| Spillway Gates | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | |
| Steel Structures & Equipment: Coating | | | | | | | \$ 600,000 | | |
| Structure Maintenance: Concrete, Fencing | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Temporary Offices | \$ - | \$ 230,000 | \$ 72,000 | \$ 72,000 | \$ 72,000 | | | | |
| Tools & Equipment - Operations | \$ 15,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | |
| Transformer Oil Processing & Testing | | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | |
| Trunnion Friction Testing | \$ 65,000 | | | | | | | | |
| Turbidity Sensor Communication | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | |
| Turbine Oil Level Indication | | \$ 15,000 | | | | | | | |
| Turbine Shaft Seals | \$ 30,000 | \$ 30,000 | | | | | | | |
| Unit 1 Major Inspection & Cleaning | | | | | | | | \$ 500,000 | |
| Unit 1 Turbine Hub & Discharge Ring Recoating | | | | | | | | \$ 600,000 | |
| Unit 2 Major Inspection & Cleaning | | | | | | | \$ 500,000 | | |
| Unit 2 Turbine Hub & Discharge Ring Recoating | | | | | | | \$ 600,000 | | |
| Unit Control Board Meter Replacement | \$ 42,000 | | | | | | | | |
| Unit Turbine Gage Board Inputs into SCADA - Design | \$ 4,000 | | | | | | | | |
| Upper Guide Bearing Oil Sample Ports | | \$ 4,000 | | | | | | | |
| Warehouse Repairs | \$ 64,000 | | | | | | | | |
| OR&R | \$ 2,292,270 | \$ 13,723,900 | \$ 3,037,000 | \$ 7,281,000 | \$ 8,276,000 | \$ 3,125,000 | \$ 1,072,000 | \$ 1,350,000 | |

| 2023 - 2029 CFP Budget Estimates (2022 for reference) | Budget Year | | | | | | | | | |
|---|-------------|--------------|--------------|--------------|--------------|------------|------------|------|--|----------------------|
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| (Excludes Wages & Benefits) | | | | | | | | | | |
| 5-Ton Bridge Crane | \$ 490,000 | \$ 865,000 | | | | | | | | Updated JS required. |
| Battery Bank Replacement | | \$ 80,000 | | | | | | | | |
| Battery Chargers | | \$ 60,000 | | | | | | | | |
| Boat Barrier Replacement - Alternative Analysis | \$ 35,000 | | | | | | | | | |
| Boat Barrier Replacement - Design | \$ 41,375 | \$ 80,000 | | | | | | | | |
| Boat Barrier Replacement - Installation | | \$ 1,800,000 | | | | | | | | Updated JS required. |
| Debris Barrier Coating & Cathodic Protection - Construction | | \$ 3,680,800 | | | | | | | | |
| Debris Barrier Coating & Cathodic Protection - Design | \$ 60,000 | | | | | | | | | |
| Downstream Boat Ramp | | | \$ 200,000 | \$ 50,000 | | | | | | |
| Downstream Notification Siren - Design | \$ 10,000 | \$ 10,000 | | | | | | | | |
| Downstream Notification Siren - Installation | \$ - | \$ 40,000 | | | | | | | | |
| Drainage Gallery Air Supply - Alternative Analysis | \$ 60,000 | | | | | | | | | |
| Drainage Gallery Air Supply - Design | | \$ 145,000 | | | | | | | | |
| Drainage Gallery Air Supply - Installation | | | \$ 450,000 | | | | | | | |
| Drainage Sump Oil Skimmer - Design | | | | | \$ 45,000 | | | | | |
| Drainage Sump Oil Skimmer - Installation | | | | | | | \$ 150,000 | | | |
| Elevator Controls - Design | \$ 60,000 | | | | | | | | | |
| Elevator Controls - Installation | | \$ 125,000 | | | | | | | | |
| Elevator Roof Access - Design | \$ 10,000 | | | | | | | | | |
| Elevator Roof Access - Installation | | \$ 25,000 | | | | | | | | |
| Exciter Brush Dust Vacuum System | \$ 92,200 | | | | | | | | | |
| Exciter Replacement - Design | | | \$ 125,000 | | | | | | | |
| Exciter Replacement - Phase I | | | | \$ 250,000 | | | | | | |
| Exciter Replacement - Phase II | | | | | \$ 700,000 | | | | | |
| Fire Detection System Upgrade | | | | | | \$ 42,000 | | | | |
| Gantry Crane Controls and Drive Upgrade - Design | | | | \$ 150,000 | | | | | | |
| Gantry Crane Controls and Drive Upgrade - Upgrades | | | | | | \$ 600,000 | | | | |
| Generator Cooling Water Refurbishment | | | \$ 78,000 | | | | | | | |
| Generator Hatch Cover Seals & Drains | \$ 25,000 | \$ 215,000 | | | | | | | | Updated JS required |
| Generator Protective Relay Replacement - Design | | \$ 100,000 | | | | | | | | Updated JS required |
| Generator Protective Relay Replacement - Installation | | \$ 50,000 | | | | | | | | |
| HVAC AH-1 Replacement Office Area | \$ 50,000 | | | | | | | | | |
| Intake Gate Slot Cover - Alternative Analysis | | | | | | \$ 100,000 | \$ 150,000 | | | |
| Lathe | \$ 18,000 | | | | | | | | | |
| Mobile Diesel Generator & Log Bronc Cover | \$ 25,000 | | | | | | | | | |
| New Facility - Construction | | | \$ 1,200,000 | \$ 2,000,000 | | | | | | |
| New Facility - Design | | | \$ 180,000 | \$ 100,000 | | | | | | |
| New Facility - Site Preparation | \$ 60,000 | \$ 1,068,100 | | | | | | | | Updated JS required |
| Plant Auxiliary Equipment Inputs into SCADA - Design | | | \$ 8,000 | | | | | | | |
| Plant Auxiliary Equipment Inputs into SCADA - Installation | | | \$ 38,000 | | | | | | | |
| Revenue Meters | \$ 24,000 | | | | | | | | | |
| Roadway Gates | \$ 12,000 | \$ 18,000 | | | | | | | | |
| Roadway Lighting | \$ 20,000 | | | | | | | | | |
| Service Water VFD & Controls Replacement | | \$ 16,000 | | | | | | | | |
| Sluice Gate Replacement - CFD & Physical Model Design | \$ 115,605 | | | | | | | | | |
| Sluice Gate Replacement - Construction 1 | | | \$ 1,200,000 | | | | | | | |
| Sluice Gate Replacement - Construction 2 | | | | \$ 1,400,000 | | | | | | |
| Sluice Gate Replacement - Construction 3 | | | | | \$ 5,536,000 | | | | | |
| Sluice Gate Replacement - Design 1 | \$ 372,000 | | | | | | | | | |
| Sluice Gate Replacement - Design 2 | | \$ 867,700 | | | | | | | | Updated JS required |
| Sonar & Turbidity Sensors | \$ 25,000 | | | | | | | | | |
| South Downstream Abutment Wall Handrail | \$ 27,000 | | | | | | | | | |
| South Well Pump | | | \$ 3,000 | | | | | | | |
| Spillway 1 Apron Repairs | | | | | \$ 300,000 | | | | | |
| Spillway 1 Apron Repairs - Alternative Analysis | | | \$ 60,000 | | | | | | | |
| Spillway 1 Apron Repairs - Design | | | | \$ 90,000 | | | | | | |

| 2023 - 2029 CFP Budget Estimates (2022 for reference) | Budget Year | | | | | | | | | |
|--|-------------|--------------|------------|--------------|------------|------------|--------------|--------------|-----------|---------------------|
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| (Excludes Wages & Benefits) | | | | | | | | | | |
| Spillway 4 Gate Uplift Anchoring | | | | \$ 250,000 | | | | | | |
| Spillway 4 Rail Extension - Construction | | \$ 3,768,300 | \$ - | | | | | | | Updated JS required |
| Spillway 4 Rail Extension - Design | \$ 330,025 | | | | | | | | | |
| Spillway Gate Control - Alternative Analysis | | \$ 50,000 | | | | | | | | |
| Spillway Gate Control - Design | | | \$ 200,000 | | | | | | | |
| Spillway Gate Control - Installation | | | | \$ 75,000 | | | | | | |
| Spillway Gate Hoist Covers - Construction | \$ 95,000 | | | | | | | | | |
| Spillway Gate Hoist Covers - Design | \$ 25,000 | | | | | | | | | |
| Spillway Gate Structural Reinforcement | | | | \$ 500,000 | | | | | | |
| Spillway Handrail & Guardrail | \$ 226,585 | | | | | | | | | |
| Station Air Compressor Replacement | | | | | | | \$ 60,000 | | | |
| Station Service cabinet Inputs into SCADA - Design | | \$ 4,000 | | | | | | | | |
| Station Service cabinet Inputs into SCADA - Installation | | | \$ 16,000 | | | | | | | |
| Station Service Circuit Breaker Replacement - Alternative Analysis | | | | | | \$ 60,000 | | | | |
| Station Service Circuit Breaker Replacement - Design | | | | | | | \$ 120,000 | | | |
| Station Service Circuit Breaker Replacement - Installation | | | | | | | | \$ 1,200,000 | | |
| Surge Arrestor Replacement | | | | | | \$ 70,000 | | | | |
| Tailrace Repairs & Improvements - Alternative Analysis | | | \$ 60,000 | | | | | | | |
| Tailrace Repairs & Improvements - Design | | | | \$ 250,000 | | | | | | |
| Tailrace Repairs & Improvements - Installation | | | | | | | \$ 2,000,000 | | | |
| Transmission Line Access - Bridge Replacement | | \$ 275,000 | \$ - | \$ - | \$ - | | | | | JS required |
| Trash Rake - Alternative Analysis | \$ 86,850 | | | | | | | | | |
| Trash Rake Construction | | | \$ 700,000 | \$ 1,070,000 | | | | | | |
| Trash Rake Design | | \$ 191,000 | | | | | | | | |
| Trash Removal System - Alternative Analysis | \$ 76,630 | | | | | | | | | |
| Trash Removal System - Construction | | | \$ - | \$ 1,700,000 | | | | | | |
| Trash Removal System - Design | | \$ 300,000 | \$ 50,000 | | | | | | | |
| Unit Instrumentation - Alternative Analysis | | \$ 45,000 | | | | | | | | |
| Unit Instrumentation - Design | | | \$ 45,000 | | | | | | | |
| Unit Instrumentation - Installation | | | | \$ 200,000 | | | | | | |
| Unit Turbine Gage Board Inputs into SCADA - Installation | | \$ 35,000 | | | | | | | | |
| Operations | \$ 405,440 | \$ 424,900 | \$ 373,040 | \$ 375,940 | \$ 380,880 | \$ 381,580 | \$ 396,020 | \$ 401,520 | | |
| O&M | \$ 291,040 | \$ 262,600 | \$ 230,640 | \$ 233,440 | \$ 238,280 | \$ 238,880 | \$ 242,820 | \$ 248,320 | | |
| 1D Sediment Transport Study | \$ 100,000 | | | | | | | | | |
| Advertising - Dam | \$ - | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | |
| CFP Cell Phones | \$ 1,600 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | |
| CFP Telephones | \$ 7,000 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | |
| CFP Vehicle Verizon Connect | \$ 540 | \$ 2,300 | \$ 2,400 | \$ 2,500 | \$ 2,600 | \$ 2,700 | \$ 2,800 | \$ 2,900 | \$ 2,900 | |
| COMMUNICATIONS - RADIOS, ETC | \$ 7,900 | \$ 8,100 | \$ 8,100 | \$ 8,100 | \$ 8,300 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | |
| Communications Fiber - User Fee | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | |
| Computer & Supplies | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | |
| Dam Safety Consultant | \$ 62,000 | \$ 64,000 | \$ 66,000 | \$ 68,000 | \$ 70,000 | \$ 72,000 | \$ 74,000 | \$ 76,000 | \$ 76,000 | |
| Electric Utilities - Secondary Power Feed | \$ 11,500 | \$ 11,800 | \$ 12,100 | \$ 12,400 | \$ 12,400 | \$ 12,400 | \$ 12,800 | \$ 12,800 | \$ 12,800 | |
| Fall Protection Equipment | \$ 6,000 | \$ 6,000 | \$ 1,000 | \$ 1,000 | \$ 3,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 4,000 | |
| FERC Dam Movement Survey | \$ 8,400 | \$ 8,800 | \$ 8,800 | \$ 9,000 | \$ 9,000 | \$ 9,200 | \$ 9,200 | \$ 9,400 | \$ 9,400 | |
| FR Clothing - CFP | \$ 9,500 | \$ 9,500 | \$ 10,000 | \$ 10,000 | \$ 10,500 | \$ 10,500 | \$ 11,500 | \$ 11,500 | \$ 11,500 | |
| GARBAGE SERVICE - OPERATIONS | \$ 2,400 | \$ 2,400 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,700 | \$ 2,700 | \$ 2,700 | |
| Operator Remots SCADA Communications | \$ 8,000 | \$ 9,000 | \$ 9,000 | \$ 9,000 | \$ 9,000 | \$ 9,000 | \$ 9,200 | \$ 9,200 | \$ 9,200 | |
| Operator Supplies - Dam | \$ - | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | |
| Portable Restrooms - Dam | \$ - | | | | | | | | | |
| Respirator Fit Testing | | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | |
| Rope Access Gear | \$ 3,000 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | |
| Security/Plant Locks | \$ 300 | \$ 300 | \$ 340 | \$ 340 | \$ 380 | \$ 380 | \$ 420 | \$ 420 | \$ 420 | |
| Sedimentation Report | | \$ 50,000 | | | | | | | | |
| Sedimentation Report Annual Updates | | \$ - | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | |
| Sedimentation Survey | \$ 5,200 | \$ 5,800 | \$ 5,800 | \$ 6,000 | \$ 6,000 | \$ 6,200 | \$ 6,200 | \$ 6,400 | \$ 6,400 | |

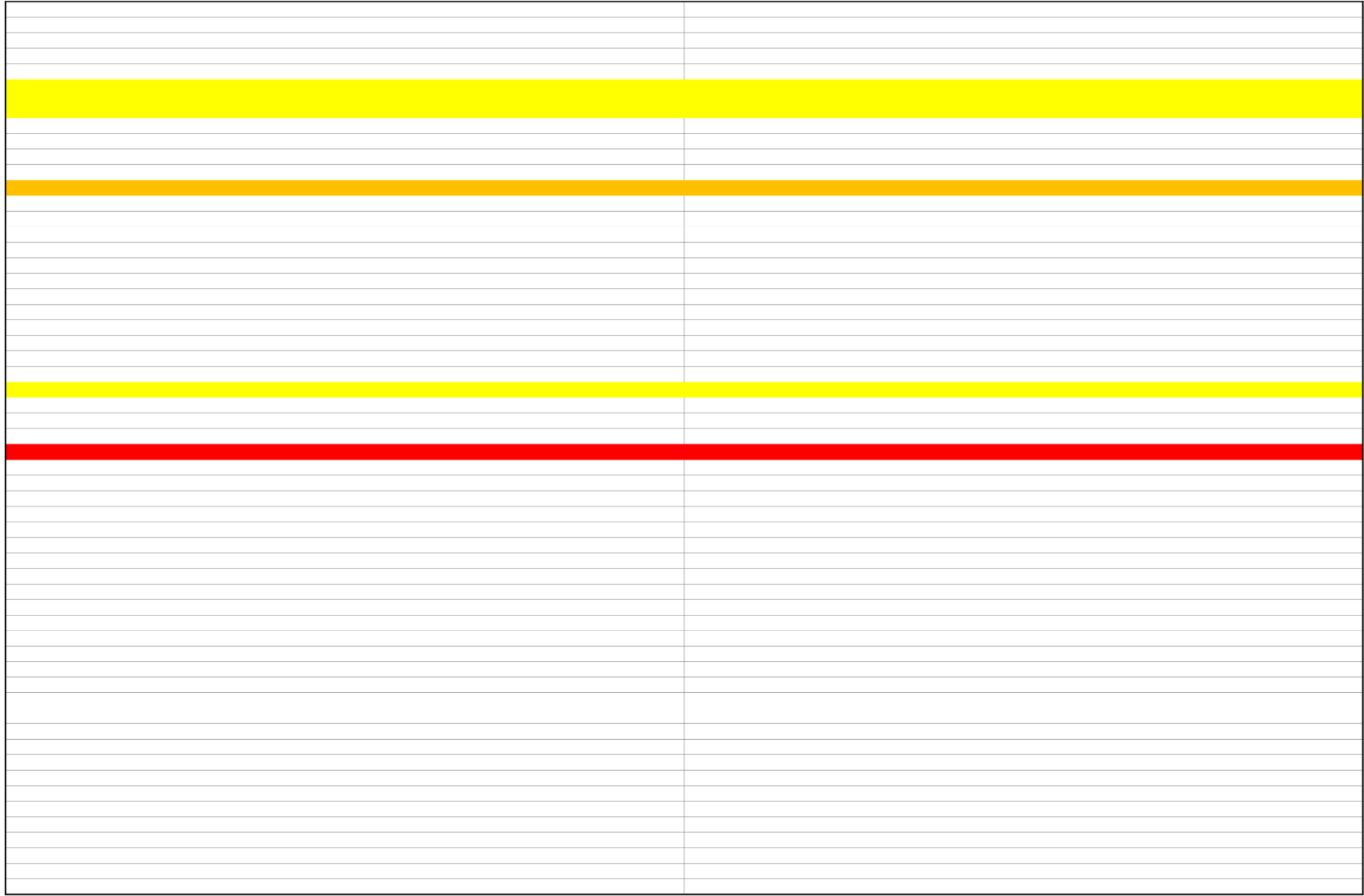
| 2023 - 2029 CFP Budget Estimates (2022 for reference) | Budget Year | | | | | | | | |
|---|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------------|
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | |
| (Excludes Wages & Benefits) | | | | | | | | | |
| Shelving & Furniture | \$ 7,000 | | | | | | | | |
| Subscriptions, Prints, Copies and Maps | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | |
| OR&R | \$ 75,400 | \$ 105,000 | \$ 85,000 | \$ 85,000 | \$ 85,000 | \$ 85,000 | \$ 95,000 | \$ 95,000 | |
| Major Office & Network Equipment | \$ 25,400 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | |
| Security Improvements | \$ 50,000 | \$ 80,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 70,000 | \$ 70,000 | |
| Special O&M | \$ 39,000 | \$ 57,300 | \$ 57,400 | \$ 57,500 | \$ 57,600 | \$ 57,700 | \$ 58,200 | \$ 58,300 | |
| CF Vehicle and Equipment Fuel | \$ 16,000 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | Why has cost doubled from FY22? |
| CF Vehicle Maintenance | \$ 12,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | |
| CONSUMABLE SUPPLIES - FIRST AID | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,400 | \$ 3,400 | |
| CONSUMABLE SUPPLIES - JANITORIAL | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,500 | \$ 1,500 | |
| CONSUMABLE SUPPLIES - SAFETY & PPE | \$ 6,500 | \$ 6,600 | \$ 6,700 | \$ 6,800 | \$ 6,900 | \$ 7,000 | \$ 7,100 | \$ 7,200 | |
| Recreation | \$ 2,016,800 | \$ 526,760 | \$ 567,660 | \$ 319,760 | \$ 593,460 | \$ 833,280 | \$ 334,780 | \$ 346,260 | |
| O&M | \$ 416,800 | \$ 306,760 | \$ 307,660 | \$ 319,760 | \$ 320,460 | \$ 332,280 | \$ 334,780 | \$ 346,260 | |
| Advertising | \$ 3,000 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | |
| Boat Launch Sediment Removal | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | |
| Building Maintenance | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | |
| Campground Fire Pits Graveling | \$ 500 | | | | | | | | |
| Campground Hosts | \$ 120,000 | \$ 125,000 | \$ 130,000 | \$ 135,000 | \$ 140,000 | \$ 145,000 | \$ 150,000 | \$ 155,000 | |
| Campground Internet | \$ 3,000 | \$ 3,200 | \$ 3,200 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,600 | \$ 3,600 | |
| Campground Reservation Software | \$ 5,000 | \$ 5,200 | \$ 5,200 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,600 | \$ 5,600 | |
| Campground Restroom Improvements | \$ 30,000 | | | | | | | | |
| Campground Telephone | \$ 1,300 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,700 | \$ 1,700 | |
| Campground Wood Chips | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | |
| Contract Septic and Water Services | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | |
| Contract Services (Backhoe, Gravel) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Contract Services (Dock Installation and Removal) | \$ 2,500 | \$ 2,700 | \$ 2,700 | \$ 2,700 | \$ 2,700 | \$ 2,700 | \$ 2,900 | \$ 2,900 | |
| D-Loop Electrical Design & Feed Replacements | \$ 30,000 | | | | | | | | |
| Electric Utilities | \$ 6,400 | \$ 11,500 | \$ 11,700 | \$ 11,900 | \$ 12,100 | \$ 12,300 | \$ 12,500 | \$ 12,700 | |
| EQUIPMENT REPAIRS - PARK | \$ 3,200 | \$ 3,500 | \$ 3,700 | \$ 3,700 | \$ 3,700 | \$ 3,700 | \$ 4,200 | \$ 4,200 | |
| GARBAGE SERVICE - RECREATION | \$ 6,400 | \$ 6,600 | \$ 6,600 | \$ 6,600 | \$ 6,600 | \$ 6,900 | \$ 6,900 | \$ 6,900 | |
| Group B Annual Operating Fee - Falls Road Well | \$ - | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | |
| MAINTENANCE - GROUND | \$ 3,200 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,600 | \$ 3,600 | |
| MAINTENANCE - SEWER & WATER SYSTEM | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | |
| Noxious Weed Control | \$ 5,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,500 | \$ 6,500 | |
| Operation Supplies | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,400 | \$ 2,400 | |
| Port Blakely Road Access Agreement | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | |
| Port Blakely Road Maintenance | \$ 13,500 | \$ 13,500 | \$ 14,000 | \$ 14,000 | \$ 14,500 | \$ 14,500 | \$ 14,500 | \$ 14,500 | |
| Portable Restrooms | \$ 2,300 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | |
| Potable Water and Septic System Testing | \$ 2,000 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,400 | \$ 2,400 | |
| Recreation Assessment | \$ 90,000 | | | | | | | | |
| Recreation Tree Removal | \$ - | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | |
| Repairs & Supplies | \$ 10,000 | \$ 10,000 | \$ 11,000 | \$ 11,000 | \$ 12,000 | \$ 12,000 | \$ 12,900 | \$ 12,900 | |
| Septic System Maintenance - Recreation | \$ 6,000 | \$ - | \$ 6,000 | \$ - | \$ 6,000 | \$ - | \$ - | \$ 6,000 | |
| Sign Replacements | \$ 2,200 | \$ 2,500 | \$ 2,500 | \$ 2,600 | \$ 2,600 | \$ 2,720 | \$ 2,720 | \$ 2,800 | |
| Tools & Equipment - Recreation | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,400 | \$ 3,400 | \$ 3,600 | \$ 3,600 | \$ 3,800 | |
| OR&R | \$ 1,600,000 | \$ 220,000 | \$ 260,000 | | \$ 273,000 | \$ 501,000 | | \$ - | |
| Campground & Day Use Park Paving | | \$ 150,000 | | | \$ 164,000 | | | \$ - | Are these costs based on estimates? |
| Campground A Loop Restroom - Design | | \$ 60,000 | | | | | | | |
| Campground A Loop Restroom - Installation | | | \$ 260,000 | | | | | | |
| Campground Electrical Replacement - Design | | | | \$ 64,000 | | | | | |
| Campground Electrical Replacement - Installation | | | | | | \$ 322,000 | | | |
| Campground Storage Building - Design | | | | \$ 45,000 | | | | | |
| Campground Storage Building - Installation | | | | | | \$ 179,000 | | | |
| Copper Canyon Take Out Site Improvements | \$ 1,600,000 | | | | | | | | |
| Day Use Park Flat Water Kayak Take Out | | \$ 10,000 | | | | | | | |
| Taxes | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | |

| 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|---|-------------|------------|------------|------------|------------|------------|------------|------------|---|
| | Budget Year | | | | | | | | |
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | |
| (Excludes Wages & Benefits) | | | | | | | | | |
| O&M | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 |
| County Taxes | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 |
| Ecology Water Tax | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 |
| Privilege Tax | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 |
| Training & Travel | \$ 215,650 | \$ 135,910 | \$ 129,060 | \$ 91,400 | \$ 90,300 | \$ 82,300 | \$ 80,700 | \$ 80,700 | \$ 80,700 |
| O&M | \$ 191,850 | \$ 109,110 | \$ 112,760 | \$ 67,100 | \$ 63,500 | \$ 64,500 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| American Fisheries Society Meeting | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 |
| American Governor Analog Gov Training | \$ 7,000 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 |
| American Governor School | | \$ 8,000 | \$ 8,000 | | | | | | |
| ASDSO Conference | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 |
| AVO Circuit Breaker Maintenance | | | \$ 5,000 | | | | | | |
| AVO Electrical Series | \$ 4,350 | \$ 4,350 | | | | | | | |
| AVO Substation Maintenance I | | \$ 5,000 | \$ 5,000 | | | | | | |
| AVO Thermography I | | \$ 5,000 | | | | | | | |
| AVO Thermography II | | | \$ 5,000 | \$ 5,000 | \$ 5,000 | | | | |
| CEATI - ANNUAL MEETING | \$ 3,000 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 |
| CEATI - ASSET Management Meeting | | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 |
| CEATI - DSG MEETING | \$ 2,200 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 |
| CEATI - HFEIG MEETING | | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 |
| CEATI - HFLIG MEETING | \$ 2,800 | | | | | | | | |
| EPTC Fundamentals of Electricity | \$ 7,200 | | | | | | | | |
| EPTC Generation Series | \$ 3,600 | | | | | | | | |
| EPTC Power Plant Operation | | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 |
| EPTC Relay Protection | | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 |
| EPTC Switching & Grounding | | \$ 7,000 | \$ 7,000 | | | | | | |
| EPTC System Operations Personal Grounding | \$ 1,260 | \$ 1,260 | \$ 1,260 | | | | | | |
| EPTC Transmission Series | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | | | | | |
| IISI Online Training | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 |
| HydroVision | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 |
| NW Hydro Forum | \$ 800 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 |
| NWHA - ANNUAL MEETING | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 |
| NWHA - WORKSHOP | \$ 500 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 |
| NWPPA - LEADERSHIP TRAINING | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 |
| OPERATOR TRAINING DEVELOPMENT 2022 | \$ 130,000 | | | | | | | | |
| TPC - ELECTRICAL WORKSHOP | \$ 4,350 | \$ 6,000 | \$ 3,000 | | | | | | |
| TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING | \$ 2,390 | \$ 2,400 | \$ 2,400 | | | | | | |
| TRAINING - CRANE | | \$ 4,000 | \$ 6,000 | | | \$ 6,000 | | | |
| TRAINING - MANLIFT/FORKLIFT | | | \$ 4,000 | | | | | | |
| TRAINING - PESTICIDE APPLICATION | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 |
| TRAINING - WATER & WASTEWATER | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 |
| Wildlife Classes | \$ 4,000 | \$ 4,000 | \$ 4,000 | | | | | | |
| Special O&M | \$ 23,800 | \$ 26,800 | \$ 16,300 | \$ 24,300 | \$ 26,800 | \$ 17,800 | \$ 30,700 | \$ 30,700 | \$ 30,700 |
| ARC FLASH TRAINING | | \$ 3,000 | | | | | \$ 3,000 | | |
| NWPPA - ADMIN ASST TRAINING | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 |
| TRAINING - COMPUTER | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 1,000 | \$ 1,000 | \$ 1,000 |
| Training - Confined Space | | \$ 8,000 | | | \$ 10,000 | | | \$ 11,000 | |
| TRAINING - FALL PROTECTION | \$ 8,000 | | | \$ 8,000 | | | \$ 8,000 | | |
| TRAINING - ROPE ACCESS | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 9,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 |
| WPUDA - ADMIN ROUNDTABLE | \$ 600 | \$ 600 | \$ 600 | \$ 600 | \$ 600 | \$ 600 | \$ 800 | \$ 800 | \$ 800 |
| WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING | \$ 4,000 | \$ 4,000 | \$ 4,500 | \$ 4,500 | \$ 5,000 | \$ 5,000 | \$ 5,500 | \$ 5,500 | \$ 5,500 |
| Transmission | \$ 63,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 |
| O&M | \$ 63,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 |
| ROW Maintenance | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | Please provide the District work plan and specify work for CFP lines. |
| Transmission Line Corridor Planting | \$ 3,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | | | | |
| Wheeling | \$ 768,000 | \$ 791,000 | \$ 815,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 |
| Wheeling | \$ 768,000 | \$ 791,000 | \$ 815,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 |

| 2023 - 2029 CFP Budget Estimates (2022 for reference) (Excludes Wages & Benefits) | Budget Year | | | | | | | |
|--|---------------------|----------------------|---------------------|----------------------|----------------------|---------------------|---------------------|---------------------|
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
| Transmission Wheeling - Offnet Entry | \$ 768,000 | \$ 791,000 | \$ 815,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 |
| Grand Total | \$ 8,846,290 | \$ 19,441,670 | \$ 7,731,620 | \$ 12,303,360 | \$ 13,922,150 | \$ 8,226,250 | \$ 7,742,080 | \$ 6,671,110 |

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A table with multiple rows and a central vertical column. The table is mostly empty, but several rows are obscured by horizontal redaction bars. From top to bottom, there is a yellow bar, an orange bar, a yellow bar, and a red bar. The table structure includes a header row, followed by several data rows, and then a footer row.

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The image shows a large, empty table with multiple columns and rows. The table is divided into several sections by horizontal lines. Four of these sections are highlighted with colors: a yellow band at the top, an orange band below it, another yellow band further down, and a red band at the bottom. The rest of the table is white with faint horizontal grid lines. The table is empty of any text or data.

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This image shows a large rectangular area containing a grid of horizontal lines, resembling a list or a table. The grid is composed of many thin, light gray horizontal lines. Several rows are highlighted with thick, solid colored bars: a yellow bar, an orange bar, another yellow bar, and a red bar. The highlighted bars are positioned at various points down the grid, suggesting specific rows of interest or emphasis.







A large rectangular area with horizontal lines, resembling a table or spreadsheet. It contains 28 rows of horizontal lines. Two rows are highlighted with thick colored bars: the 5th row is highlighted in orange, and the 23rd row is highlighted in yellow. The rest of the rows are unhighlighted.

A large rectangular area filled with horizontal lines, resembling a document template or a redacted section. The lines are evenly spaced and fill most of the page. The bottom-most line is highlighted in orange.

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Cowlitz Falls Direct Labor Report

| <u>2022</u> | <u>Positions</u> | <u>Hours</u> | <u>Wages</u> | <u>Benefits</u> | <u>Taxes</u> | <u>Total Cost</u> |
|-------------------------------------|------------------|---------------|---------------------|-------------------|-------------------|---------------------|
| CF | | | | | | |
| CF Admin. Assistant | 1 | 2080 | \$ 70,674 | \$ 44,697 | \$ 5,407 | \$ 120,777 |
| Generation Manager | 1 | 2080 | \$ 155,256 | \$ 45,539 | \$ 11,877 | \$ 212,673 |
| Generation Superintendent | 2 | 4160 | \$ 268,828 | \$ 104,301 | \$ 20,565 | \$ 393,693 |
| Journeyman Operator-Maintenance | 3 | 6240 | \$ 334,333 | \$ 154,056 | \$ 25,576 | \$ 513,966 |
| Part Time Records | 1 | 800 | \$ 40,900 | \$ 170 | \$ 3,129 | \$ 44,198 |
| Recreation & Wildlife Supervisor | 1 | 2080 | \$ 102,576 | \$ 39,379 | \$ 7,847 | \$ 149,802 |
| Resource Worker | 1 | 2080 | \$ 86,965 | \$ 39,441 | \$ 6,653 | \$ 133,059 |
| Resource Worker - Lead | 1 | 2080 | \$ 95,515 | \$ 40,441 | \$ 7,307 | \$ 143,263 |
| Sr. Journeyman Operator-Maintenance | 1 | 2080 | \$ 125,375 | \$ 52,981 | \$ 9,591 | \$ 187,947 |
| Summer Seasonal | 4 | 2400 | \$ 52,123 | \$ 2,561 | \$ 3,987 | \$ 58,671 |
| Project Engineer | 1 | 2080 | \$ 95,706 | \$ 40,464 | \$ 7,322 | \$ 143,491 |
| Fish & Wildlife Technician | Deferred | | | | | |
| Grand Total | | 28,160 | \$ 1,428,249 | \$ 564,030 | \$ 109,261 | \$ 2,101,541 |

From: Smith, Glen A (BPA) - PG-5
Sent: Thu Sep 29 10:25:42 2022
To: Brad Ford; Joe First; Edwards, Nicolas J (Nick) CIV USARMY CENWW (USA); Michelle Holmes
Cc: Sonoda, Cherie D (BPA) - PGAC-RICHLAND
Subject: Agenda Topics for Today's Meeting
Importance: Normal
Attachments: image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

Hi All,

I hope all is well and you're getting some much needed rain. It's a nice change and definitely needed down here....

Here are some topics that I'd like to include in today's meeting:

- 1) Updated Budget Submission
 - a) Remove legal and activities that will be completed in '22
 - b) Coordinate items that should be included with A&G Exhibit F
- c) Scrub items where direct labor was included where contracted or materials budgeted for
 - d) Update items where fuel and other estimates may have been high
- 2) Response to labor increase questions for Special O&M
- 3) Provide update on OY22 projected under-runs
- 4) Results of reviewing categorization of expense and OR&R items identified in email.
- 5) Special O&M item review to ensure they should be in that category.
- 6) Setup meeting to discuss Sluice Gate Design 2.
- 7) Discuss Bonneville's initial response to the budget submission.
- 8) Facilitation Contract Update

Glen A. Smith
Senior Policy Advisor | PG-5
[Bonneville Power Administration](#)
gasmith@bpa.gov | P 503-230-3105 | C (b)(6)



From: Smith, Glen A (BPA) - PG-5
Sent: Wed Aug 10 11:49:44 2022
To: Michelle Holmes
Cc: Brad Ford; Sonoda, Cherie D (BPA) - PGAC-RICHLAND; Nichole Lantau; Joe First
Subject: Additional Agenda Items - Budget Meeting
Importance: Normal
Attachments: image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

Hello Michelle and All,

I have some topics that I'd like to cover at tomorrow's meeting:

- 1) Review of budget schedule.
- 2) Status of proposed FY23 budget which includes labor estimate.
- 3) Update of Long Range Plan.
- 4) O&M and routine items and their associated justification.
- 5) List of OR&R justification sheets.
- 6) Meeting minutes distribution and review/approval.

Thanks,

Glen

Glen A. Smith

Senior Policy Advisor | PG-5

[Bonneville Power Administration](#)

gasmith@bpa.gov | P 503-230-3105 | C (b)(6)



| | | | |
|----------------------------------|-------------------|-------------------|-------------------|
| GRAND TOTAL SUPPORT LABOR | \$ 572,400 | \$ 399,800 | \$ 972,200 |
| Commissioners - CFP | \$ 18,900 | \$ 13,200 | \$ 32,100 |
| Support Labor | \$ 553,500 | \$ 386,600 | \$ 940,100 |

| Cowlitz Falls Support Labor Report | | | | | |
|---|-------------|----------|-------------------|-------------------|-----------------------|
| | Year | % | Wages | O/H | Wage & O/H |
| ACCT | | | | | |
| CFO | 2022 | 15.0% | \$ 25,037 | \$ 17,488 | \$ 42,525 |
| Controller | 2022 | 12.5% | \$ 18,596 | \$ 12,989 | \$ 31,586 |
| Financial Analyst | 2022 | 10.0% | \$ 9,613 | \$ 6,715 | \$ 16,328 |
| Purchasing Buyer | 2022 | 10.0% | \$ 9,326 | \$ 6,514 | \$ 15,840 |
| Senior Accountant | 2022 | 10.0% | \$ 11,172 | \$ 7,804 | \$ 18,976 |
| Staff Accountant (CFP) | 2022 | 100.0% | \$ 70,567 | \$ 49,291 | \$ 119,858 |
| Staff Accountant I | 2022 | 15.0% | \$ 8,846 | \$ 6,179 | \$ 15,026 |
| Staff Accountant II | 2022 | 5.0% | \$ 3,438 | \$ 2,401 | \$ 5,839 |
| Purchasing Buyer (CFP) | Deferred | 100.0% | \$ - | \$ - | \$ - |
| Procurement and Contract Supervisor | 2022 | 15.0% | \$ 16,273 | \$ 11,367 | \$ 27,640 |
| ADMIN | | | | | |
| Executive Assistant | 2022 | 5.0% | \$ 4,462 | \$ 3,117 | \$ 7,579 |
| General Manager | 2022 | 25.0% | \$ 61,885 | \$ 43,226 | \$ 105,111 |
| Public Affairs Manager | 2022 | 12.5% | \$ 15,685 | \$ 10,956 | \$ 26,641 |
| ENG | | | | | |
| Electrical Engineer | 2022 | 2.0% | \$ 3,403 | \$ 2,377 | \$ 5,780 |
| Engineering Manager | 2022 | 15.0% | \$ 26,418 | \$ 18,453 | \$ 44,871 |
| GIS Analyst | 2022 | 1.0% | \$ 827 | \$ 578 | \$ 1,405 |
| GIS Supervisor | 2022 | 2.0% | \$ 2,055 | \$ 1,435 | \$ 3,490 |
| System Engineering | 2022 | 2.0% | \$ 2,528 | \$ 1,766 | \$ 4,294 |
| Utilities Specialist | 2022 | 2.0% | \$ 1,965 | \$ 1,372 | \$ 3,337 |
| HR | | | | | |
| HR Generalist | 2022 | 15.0% | \$ 11,759 | \$ 8,214 | \$ 19,973 |
| HR Manager | 2022 | 15.0% | \$ 21,706 | \$ 15,162 | \$ 36,868 |
| Payroll and HR Specialist | 2022 | 15.0% | \$ 14,005 | \$ 9,782 | \$ 23,787 |
| IS | | | | | |
| IS/IT Support (CFP) | Deferred | 100.0% | \$ - | \$ - | \$ - |
| IS & Telecom Manager | 2022 | 15.0% | \$ 21,827 | \$ 15,246 | \$ 37,074 |
| IT Technician | 2022 | 50.0% | \$ 32,817 | \$ 22,922 | \$ 55,739 |
| Network Supervisor | 2022 | 15.0% | \$ 16,273 | \$ 11,367 | \$ 27,640 |
| Records Retention Specialist | 2022 | 50.0% | \$ 34,965 | \$ 24,423 | \$ 59,387 |
| Sr. Database Administrator | 2022 | 15.0% | \$ 16,608 | \$ 11,601 | \$ 28,209 |
| Cyber Security Specialist | 2022 | 15.0% | \$ 11,804 | \$ 8,245 | \$ 20,049 |
| OPS | | | | | |
| Line Superintendent | 2022 | 3.5% | \$ 10,137 | \$ 7,081 | \$ 17,218 |
| Mechanic | 2022 | 3.0% | \$ 6,045 | \$ 4,222 | \$ 10,267 |
| Mechanic Foreman | 2022 | 3.0% | \$ 3,400 | \$ 2,375 | \$ 5,775 |
| Operations Admin. Asst. | 2022 | 2.0% | \$ 1,368 | \$ 956 | \$ 2,323 |
| Operations Manager | 2022 | 2.0% | \$ 3,247 | \$ 2,268 | \$ 5,515 |
| Operations Superintendent | 2022 | 2.0% | \$ 2,444 | \$ 1,707 | \$ 4,151 |
| Tree Supervisor | 2022 | 2.0% | \$ 2,045 | \$ 1,428 | \$ 3,473 |
| Safety Superintendent | 2022 | 20.0% | \$ 24,343 | \$ 17,004 | \$ 41,347 |
| PP/ES | | | | | |
| Manager of Power Planning | 2022 | 13.0% | \$ 23,620 | \$ 16,499 | \$ 40,119 |
| Power Supply/Energy Services Analyst | 2022 | 2.5% | \$ 2,967 | \$ 2,073 | \$ 5,040 |
| Total | | | \$ 553,477 | \$ 386,602 | \$ 940,079 |

BPA 2022 Budget Reimbursement Schedule - Approved

| | 2022 Budget |
|----------------------|-----------------|
| January-22 | \$ 498,960.00 |
| February-22 | \$ 498,960.00 |
| March-22 | \$ 498,960.00 |
| April-22 | \$ 498,960.00 |
| May-22 | \$ 498,960.00 |
| June-22 | \$ 498,960.00 |
| July-22 | \$ 498,960.00 |
| August -22 (true up) | \$ 2,635,537.94 |
| August-22 | \$ 875,465.42 |
| September-22 | \$ 875,465.42 |
| October-22 | \$ 875,465.42 |
| November-22 | \$ 875,465.42 |
| December-22 | \$ 875,465.38 |

| | |
|---------------------------------|-------------------------|
| Total Scheduled Payments | \$ 10,505,585.00 |
|---------------------------------|-------------------------|

| | |
|---------------------------|---------------|
| Operating Working Capital | \$ 350,500.00 |
| Days Cash On Hand (DCOH) | \$ 12 |

| Group | Category | Detail | 2022 |
|-----------------|-------------|---|------------|
| Fish & Wildlife | O&M | Creel Study | \$ 18,000 |
| Fish & Wildlife | O&M | Fish & Wildlife Contract Services (RTI Consulting) | \$ 10,000 |
| Fish & Wildlife | O&M | Fish Gate Position Indicators | \$ 32,000 |
| Fish & Wildlife | O&M | Fishing Pond Sediment Removal | \$ 30,000 |
| Fish & Wildlife | O&M | Habitat & Fish Recovery Services (WDFW) | \$ 10,000 |
| Fish & Wildlife | O&M | Habitat Management; Fertilizer, Spraying, Plants | \$ 9,000 |
| Fish & Wildlife | O&M | Kid's Trout Derby | \$ 5,400 |
| Fish & Wildlife | O&M | Mitigation Trout Program | \$ 45,000 |
| Fish & Wildlife | O&M | Noxious Weed Control Contractor | \$ 9,300 |
| Fish & Wildlife | O&M | USGS Gauging Station Fees | \$ 41,600 |
| Fish & Wildlife | O&M | Wildlife Society Membership | \$ 80 |
| Fish & Wildlife | OR&R | Wildlife Mitigation Land | \$ - |
| Fleet | OR&R | Mower | \$ 22,000 |
| Fleet | OR&R | Vehicle | \$ 15,000 |
| General | Special O&M | A&G Exhibit F | \$ 371,600 |
| General | Special O&M | ASD&O - Government Membership | \$ - |
| General | Special O&M | Auditing - Accountability | \$ 2,300 |
| General | Special O&M | Auditing - Financial | \$ 19,000 |
| General | Special O&M | Budget Facilitator | \$ - |
| General | Special O&M | CEATI - MEMBERSHIP | \$ 65,300 |
| General | Special O&M | CEATI - PROJECTS | \$ 30,000 |
| General | Special O&M | Compliance Consultant | \$ 65,000 |
| General | Special O&M | FERC Annual Fee | \$ 100,000 |
| General | Special O&M | Fire District Payment | \$ 19,500 |
| General | Special O&M | INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS | \$ 7,200 |
| General | Special O&M | INSURANCE - EXCESS LIABILITY | \$ 25,000 |
| General | Special O&M | INSURANCE - LIABILITY | \$ 10,500 |
| General | Special O&M | INSURANCE - PROPERTY | \$ 200,000 |
| General | Special O&M | LEGAL SERVICES - BIOP & FERC ISSUES | \$ 24,200 |
| General | Special O&M | LEGAL SERVICES - GENERAL ISSUES | \$ 20,000 |
| General | Special O&M | Long Range Plan Analysis | \$ 35,000 |
| General | Special O&M | NWHA Membership | \$ 800 |
| General | Special O&M | OFFICE SUPPLIES AND EXPENSES | \$ 9,300 |
| Maintenance | O&M | ARC FLASH STUDY | \$ 35,000 |
| Maintenance | O&M | Automatic Transfer Switch Grouting | \$ 1,000 |
| Maintenance | O&M | Buffer Zone Management | \$ 3,200 |
| Maintenance | O&M | CAD Software Licensing | \$ 4,500 |
| Maintenance | O&M | Computer Software | \$ 2,000 |
| Maintenance | O&M | Construction Management Software | \$ 12,000 |
| Maintenance | O&M | Contract Crane Inspections | \$ 12,600 |
| Maintenance | O&M | Contract Diesel Generator Maintenance | \$ 10,000 |
| Maintenance | O&M | Contract Drafting Services | \$ 50,000 |
| Maintenance | O&M | Contract Maintenance Elevator | \$ 15,200 |
| Maintenance | O&M | Control Room / Office Area Repairs - Construction | \$ 586,000 |
| Maintenance | O&M | Control Room / Office Area Repairs - Design | \$ 7,500 |
| Maintenance | O&M | Control Room Paperless Recorders | \$ 42,000 |
| Maintenance | O&M | Dam Instrumentation | \$ 2,200 |
| Maintenance | O&M | Debris Removal - Trash Rake Debris Box | \$ 5,000 |
| Maintenance | O&M | Diesel Generator Connection to Spillway Gates 2 & 3 | \$ 14,000 |
| Maintenance | O&M | Diesel Generator Load Bank | \$ 8,500 |

| | | | |
|-------------|------|---|------------|
| Maintenance | O&M | Diving Services | \$ 16,500 |
| Maintenance | O&M | Drainage Pump Handrail | \$ 2,500 |
| Maintenance | O&M | Drainage System | \$ 3,000 |
| Maintenance | O&M | Electrical Parts | \$ 5,400 |
| Maintenance | O&M | Equipment Rental | \$ 17,000 |
| Maintenance | O&M | Governor | \$ 4,000 |
| Maintenance | O&M | GSU Transformer #1 Metering CT Replacement | \$ 15,000 |
| Maintenance | O&M | GSU Transformer Maintenance | \$ 3,240 |
| Maintenance | O&M | GSU Transformer Oil Processing & Testing | \$ 165,780 |
| Maintenance | O&M | HVAC | \$ 3,200 |
| Maintenance | O&M | Instrumentation Parts | \$ 5,400 |
| Maintenance | O&M | Investigate Draft Tube Liner Issues | \$ 25,000 |
| Maintenance | O&M | MAINTENANCE - LOG BRONC | \$ 1,000 |
| Maintenance | O&M | Maintenance - Unanticipated Dam Repairs | \$ - |
| Maintenance | O&M | Maintenance Management System | \$ 15,000 |
| Maintenance | O&M | Maintenance Supplies for Electric Plant | \$ 5,400 |
| Maintenance | O&M | Mechanical & Piping | \$ 9,000 |
| Maintenance | O&M | Mechanical Parts | \$ 10,600 |
| Maintenance | O&M | Metal | \$ 10,000 |
| Maintenance | O&M | North Rock Wall Scaling | \$ 75,000 |
| Maintenance | O&M | Painting & Special Coatings | \$ 3,200 |
| Maintenance | O&M | Piezometer Pressure Transmitters | \$ 18,000 |
| Maintenance | O&M | Plant Lighting | \$ 1,000 |
| Maintenance | O&M | Plant Water Wells & Testing | \$ 1,200 |
| Maintenance | O&M | Recoat Top Deck Above Control Room | \$ 3,500 |
| Maintenance | O&M | Repaint Elevator Shaft Exterior | \$ 1,500 |
| Maintenance | O&M | Repaint Stairwell Interior | \$ 500 |
| Maintenance | O&M | Rotor Braided Jumpers | \$ 10,000 |
| Maintenance | O&M | Safety Equipment - Non PPE | \$ 5,000 |
| Maintenance | O&M | Sandblast and Coat Draft Tube Platform Brackets | \$ 3,000 |
| Maintenance | O&M | SCADA Network Support | \$ 10,700 |
| Maintenance | O&M | SCADA Support | \$ 120,000 |
| Maintenance | O&M | Seismic Study | \$ 150,000 |
| Maintenance | O&M | Service Air Compressor | \$ 1,000 |
| Maintenance | O&M | Service Water System Design | \$ 2,500 |
| Maintenance | O&M | SMAG Power Connection & Cable | \$ 4,500 |
| Maintenance | O&M | Smoke Detectors & Fire Water Systems | \$ 2,600 |
| Maintenance | O&M | Spillway Gates | \$ 5,000 |
| Maintenance | O&M | Temporary Offices | \$ - |
| Maintenance | O&M | Tools & Equipment - Operations | \$ 15,000 |
| Maintenance | O&M | Trunnion Friction Testing | \$ 65,000 |
| Maintenance | O&M | Turbidity Sensor Communication | \$ 1,000 |
| Maintenance | O&M | Turbine Shaft Seals | \$ 30,000 |
| Maintenance | O&M | Unit Control Board Meter Replacement | \$ 42,000 |
| Maintenance | O&M | Unit Turbine Gage Board Inputs into SCADA - Design | \$ 4,000 |
| Maintenance | O&M | Warehouse Repairs | \$ 64,000 |
| Maintenance | OR&R | 5-Ton Bridge Crane | \$ 490,000 |
| Maintenance | OR&R | Boat Barrier Replacement - Alternative Analysis | \$ 35,000 |
| Maintenance | OR&R | Boat Barrier Replacement - Design | \$ 41,375 |
| Maintenance | OR&R | Debris Barrier Coating & Cathodic Protection - Design | \$ 60,000 |
| Maintenance | OR&R | Elevator Roof Access - Design | \$ 10,000 |

| | | | |
|-----------------------|-------------|---|-----------------|
| Maintenance | OR&R | Exciter Brush Dust Vacuum System | \$ 92,200 |
| Maintenance | OR&R | Generator Hatch Cover Seals & Drains | \$ 25,000 |
| Maintenance | OR&R | Lathe | \$ 18,000 |
| Maintenance | OR&R | Mobile Diesel Generator & Log Bronc Cover | \$ 25,000 |
| Maintenance | OR&R | New Facility - Site Preparation | \$ 60,000 |
| Maintenance | OR&R | Revenue Meters | \$ 24,000 |
| Maintenance | OR&R | Roadway Gates | \$ 12,000 |
| Maintenance | OR&R | Roadway Lighting | \$ 20,000 |
| Maintenance | OR&R | Sluice Gate Replacement - CFD & Physical Model Design | \$ 115,605 |
| Maintenance | OR&R | Sluice Gate Replacement - Design 1 | \$ 372,000 |
| Maintenance | OR&R | Sonar & Turbidity Sensors | \$ 25,000 |
| Maintenance | OR&R | South Downstream Abutment Wall Handrail | \$ 27,000 |
| Maintenance | OR&R | Spillway 4 Rail Extension - Design | \$ 330,025 |
| Maintenance | OR&R | Spillway Gate Hoist Covers - Construction | \$ 95,000 |
| Maintenance | OR&R | Spillway Gate Hoist Covers - Design | \$ 25,000 |
| Maintenance | OR&R | Spillway Handrail & Guardrail | \$ 226,585 |
| Maintenance | OR&R | Trash Rake - Alternative Analysis | \$ 86,850 |
| Maintenance | OR&R | Trash Removal System - Alternative Analysis | \$ 76,630 |
| Operations | O&M | 1D Sediment Transport Study | \$ 100,000 |
| Operations | O&M | Advertising - Dam | \$ - |
| Operations | O&M | CFP Cell Phones | \$ 1,600 |
| Operations | O&M | CFP Telephones | \$ 7,000 |
| Operations | O&M | CFP Vehicle Verizon Connect | \$ 540 |
| Operations | O&M | COMMUNICATIONS - RADIOS, ETC | \$ 7,900 |
| Operations | O&M | Communications Fiber - User Fee | \$ 48,500 |
| Operations | O&M | Dam Safety Consultant | \$ 62,000 |
| Operations | O&M | Electric Utilities - Secondary Power Feed | \$ 11,500 |
| Operations | O&M | Fall Protection Equipment | \$ 5,000 |
| Operations | O&M | FERC Dam Movement Survey | \$ 8,400 |
| Operations | O&M | FR Clothing - CFP | \$ 9,500 |
| Operations | O&M | GARBAGE SERVICE - OPERATIONS | \$ 2,400 |
| Operations | O&M | Operator Remote SCADA Communications | \$ 8,000 |
| Operations | O&M | Operator Supplies - Dam | \$ - |
| Operations | O&M | Portable Restrooms - Dam | \$ - |
| Operations | O&M | Rope Access Gear | \$ 3,000 |
| Operations | O&M | Security/Plant Locks | \$ 300 |
| Operations | O&M | Sedimentation Survey | \$ 5,200 |
| Operations | O&M | Shelving & Furniture | \$ 7,000 |
| Operations | O&M | Subscriptions, Prints, Copies and Maps | \$ 2,200 |
| Operations | OR&R | Major Office & Network Equipment | \$ 25,400 |
| Operations | OR&R | Security Improvements | \$ 50,000 |
| Operations | Special O&M | CF Vehicle and Equipment Fuel | \$ 16,000 |
| Operations | Special O&M | CF Vehicle Maintenance | \$ 12,000 |
| Operations | Special O&M | CONSUMABLE SUPPLIES - FIRST AID | \$ 3,200 |
| Operations | Special O&M | CONSUMABLE SUPPLIES - JANITORIAL | \$ 1,300 |
| Operations | Special O&M | CONSUMABLE SUPPLIES - SAFETY & PPE | \$ 5,500 |
| Project Reimbursement | REV | BPA Project Reimbursement | \$ (10,505,585) |
| Project Reimbursement | REV | BPA Project Reimbursement - 2021 Carry Over | \$ (700,515) |
| Project Reimbursement | REV | BPA Project Reimbursement - Contingent | \$ - |
| Project Revenue | REV | Campground Revenue (Net of Service Fees) | \$ (95,000) |
| Project Revenue | REV | Interest Income | \$ (4,000) |

| | | | |
|-------------------|------|---|--------------|
| Recreation | O&M | Advertising | \$ 3,000 |
| Recreation | O&M | Boat Launch Sediment Removal | \$ 5,000 |
| Recreation | O&M | Building Maintenance | \$ 3,200 |
| Recreation | O&M | Campground Fire Pits Graveling | \$ 500 |
| Recreation | O&M | Campground Hosts | \$ 120,000 |
| Recreation | O&M | Campground Internet | \$ 3,000 |
| Recreation | O&M | Campground Reservation Software | \$ 5,000 |
| Recreation | O&M | Campground Restroom Improvements | \$ 30,000 |
| Recreation | O&M | Campground Telephone | \$ 1,300 |
| Recreation | O&M | Campground Wood Chips | \$ 500 |
| Recreation | O&M | Contract Septic and Water Services | \$ 27,000 |
| Recreation | O&M | Contract Services (Dock Installation and Removal) | \$ 2,500 |
| Recreation | O&M | D-Loop Electrical Design & Feed Replacements | \$ 30,000 |
| Recreation | O&M | Electric Utilities | \$ 6,400 |
| Recreation | O&M | EQUIPMENT REPAIRS - PARK | \$ 3,200 |
| Recreation | O&M | GARBAGE SERVICE - RECREATION | \$ 6,400 |
| Recreation | O&M | Group B Annual Operating Fee - Falls Road Well | \$ - |
| Recreation | O&M | MAINTENANCE - GROUND | \$ 3,200 |
| Recreation | O&M | MAINTENANCE - SEWER & WATER SYSTEM | \$ 6,400 |
| Recreation | O&M | Noxious Weed Control | \$ 5,000 |
| Recreation | O&M | Operation Supplies | \$ 2,200 |
| Recreation | O&M | Port Blakely Road Access Agreement | \$ 30,000 |
| Recreation | O&M | Port Blakely Road Maintenance | \$ 13,500 |
| Recreation | O&M | Portable Restrooms | \$ 2,300 |
| Recreation | O&M | Potable Water and Septic System Testing | \$ 2,000 |
| Recreation | O&M | Recreation Assessment | \$ 90,000 |
| Recreation | O&M | Recreation Tree Removal | \$ - |
| Recreation | O&M | Repairs & Supplies | \$ 10,000 |
| Recreation | O&M | Sign Replacements | \$ 2,200 |
| Recreation | O&M | Tools & Equipment - Recreation | \$ 3,000 |
| Recreation | OR&R | Copper Canyon Take Out Site Improvements | \$ 1,600,000 |
| Taxes | O&M | County Taxes | \$ 700 |
| Taxes | O&M | Ecology Water Tax | \$ 7,500 |
| Taxes | O&M | Privilege Tax | \$ 56,900 |
| Training & Travel | O&M | American Fisheries Society Meeting | \$ 1,500 |
| Training & Travel | O&M | American Governor Analog Gov Training | \$ 7,000 |
| Training & Travel | O&M | ASDSO Conference | \$ 2,500 |
| Training & Travel | O&M | AVO Electrical Series | \$ 4,350 |
| Training & Travel | O&M | CEATI - ANNUAL MEETING | \$ 3,000 |
| Training & Travel | O&M | CEATI - DSIG MEETING | \$ 2,200 |
| Training & Travel | O&M | CEATI - HPLUG MEETING | \$ 2,800 |
| Training & Travel | O&M | EPTC Fundamentals of Electricity | \$ 7,200 |
| Training & Travel | O&M | EPTC Generation Series | \$ 3,600 |
| Training & Travel | O&M | EPTC System Operations Personal Grounding | \$ 1,260 |
| Training & Travel | O&M | EPTC Transmission Series | \$ 3,600 |
| Training & Travel | O&M | HSI Online Training | \$ 800 |
| Training & Travel | O&M | HydroVision | \$ 3,000 |
| Training & Travel | O&M | NW Hydro Forum | \$ 800 |
| Training & Travel | O&M | NWHA - ANNUAL MEETING | \$ 800 |
| Training & Travel | O&M | NWHA WORKSHOP | \$ 500 |
| Training & Travel | O&M | NWPPA - LEADERSHIP TRAINING | \$ 3,400 |

| | | | |
|-------------------------|-------------|--|--------------|
| Training & Travel | O&M | OPERATOR TRAINING DEVELOPMENT 2022 | \$ 130,000 |
| Training & Travel | O&M | TPC - ELECTRICAL WORKSHOP | \$ 4,350 |
| Training & Travel | O&M | TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING | \$ 2,390 |
| Training & Travel | O&M | TRAINING - PESTICIDE APPLICATION | \$ 1,600 |
| Training & Travel | O&M | TRAINING - WATER & WASTEWATER | \$ 1,200 |
| Training & Travel | O&M | Wildlife Classes | \$ 4,000 |
| Training & Travel | Special O&M | NWPPA - ADMIN ASST TRAINING | \$ 2,400 |
| Training & Travel | Special O&M | TRAINING - COMPUTER | \$ 800 |
| Training & Travel | Special O&M | TRAINING - FALL PROTECTION | \$ 8,000 |
| Training & Travel | Special O&M | TRAINING - ROPE ACCESS | \$ 8,000 |
| Training & Travel | Special O&M | WPUDA - ADMIN ROUNDTABLE | \$ 600 |
| Training & Travel | Special O&M | WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING | \$ 4,000 |
| Transmission | O&M | ROW Maintenance | \$ 60,000 |
| Transmission | O&M | Transmission Line Corridor Planting | \$ 3,000 |
| Wage, Benefits, & Taxes | O&M | OT Taxes | \$ 4,100 |
| Wage, Benefits, & Taxes | O&M | Social Security Medicare | \$ 109,260 |
| Wage, Benefits, & Taxes | O&M | Social Security Medicare - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | Employee Medical Insurance | \$ 387,700 |
| Wage, Benefits, & Taxes | Special O&M | Employee Medical Insurance - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | Employer PERS | \$ 136,860 |
| Wage, Benefits, & Taxes | Special O&M | Employer PERS - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | ES Support Overhead | \$ 400,300 |
| Wage, Benefits, & Taxes | Special O&M | ES Support Overhead - IS/IT | \$ - |
| Wage, Benefits, & Taxes | Special O&M | ES Support Overhead - Purchasing | \$ - |
| Wage, Benefits, & Taxes | Special O&M | ES Support Wages | \$ 572,740 |
| Wage, Benefits, & Taxes | Special O&M | ES Support Wages - IS/IT | \$ - |
| Wage, Benefits, & Taxes | Special O&M | ES Support Wages - Purchasing | \$ - |
| Wage, Benefits, & Taxes | Special O&M | Flu Shot Clinics | \$ 400 |
| Wage, Benefits, & Taxes | Special O&M | L&I - Employer | \$ 18,800 |
| Wage, Benefits, & Taxes | Special O&M | L&I - Employer - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | Long Term Disability | \$ 3,540 |
| Wage, Benefits, & Taxes | Special O&M | Long Term Disability - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | Misc Pension & Benefits, CDL, Medical Exam, etc | \$ 5,000 |
| Wage, Benefits, & Taxes | Special O&M | Misc Pension & Benefits, CDL, Medical Exam, etc - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | OT Benefits | \$ 8,900 |
| Wage, Benefits, & Taxes | Special O&M | OT Wages | \$ 53,400 |
| Wage, Benefits, & Taxes | Special O&M | Paid Family Leave Benefit | \$ 2,540 |
| Wage, Benefits, & Taxes | Special O&M | Paid Family Leave Benefit - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | PCORI ACA Requirement | \$ 100 |
| Wage, Benefits, & Taxes | Special O&M | PL Cash Out | \$ 15,000 |
| Wage, Benefits, & Taxes | Special O&M | Retiree/COBRA Med Ins - Premiums & Claims | \$ 20,000 |
| Wage, Benefits, & Taxes | Special O&M | Short Term Disability | \$ 2,000 |
| Wage, Benefits, & Taxes | Special O&M | Short Term Disability - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | Standby Pay | \$ 38,300 |
| Wage, Benefits, & Taxes | Special O&M | Term Insurance Benefit | \$ 1,240 |
| Wage, Benefits, & Taxes | Special O&M | Term Insurance Benefit - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | VEBA Benefit | \$ 13,350 |
| Wage, Benefits, & Taxes | Special O&M | VEBA Benefit - F&W Tech | \$ - |
| Wage, Benefits, & Taxes | Special O&M | VEBA Cash Out | \$ 5,000 |
| Wage, Benefits, & Taxes | Special O&M | Wages | \$ 1,428,280 |
| Wage, Benefits, & Taxes | Special O&M | Wages - F&W Tech | \$ - |

From: Manary, David (BPA) - LG-7
Sent: Mon Oct 24 15:11:30 2022
To: Sonoda, Cherie D (BPA) - PGAC-RICHLAND; Smith, Glen A (BPA) - PG-5
Subject: Amendatory Agreement No. 2_Lewis PUD_Cowlitz Falls Power Purchase Agreement.pdf
Importance: Normal
Attachments: Amendatory Agreement No. 2_Lewis PUD_Cowlitz Falls Power Purchase Agreement.pdf

Exhibit H is in the attached contract amendment

Bonneville List of Issues

- Establish a reasonable and defensible Budget.
 - Bonneville strives to have a reasonable and defensible budget as “Bonneville has a direct interest in actions and decisions affecting Project Power costs...” and “Bonneville has an obligation to its rate paying customers to perform due diligence on costs that impacts rates.”¹
 - Background:
 - Bonneville develops rates for its customers and is responsible to provide accurate and reasonable projections of generation costs that are included in future rates. See rate proceedings: [Rate & tariff proceedings - Bonneville Power Administration \(bpa.gov\)](https://www.bpa.gov/rate-proceedings)
 - Past and recent budget requests have been poorly supported and extremely variable (128% increase FY22 to FY23).
 - Proposed Actions:
 - Develop a long range “Other Renewable & Replacement” (OR&R is defined in Project agreement and includes mostly capital but some O&M as well) plan and balance investments across multiple years.
 - OR&R items should be well developed from inception through design and construction. Funding should be incremental as each phase of the project can take a long time and have a significant impact on the expenditures for the year.
 - Long range plan should utilize a modelling tool to help SME’s project expenditures within reasonable annual budgets in order to manage risks appropriately.
 - Develop an Operational budget including O&M and Special O&M.
 - Budget should be relatively flat and contain recurring and some non-recurring items. Recurring costs such as labor, spare parts and other standard operating costs should increase by inflation or some other common factor. Non-recurring costs should fit within a budgeted amount unless it’s urgent to execute the costs for the budgeted year.
- Improve execution of budgeted items in operational year.
 - Past budgets have been severely under executed resulting in large carry over amounts.
 - Proposed actions:
 - Develop process to incrementally fund OR&R project phases.
 - Continue to monitor operating budget execution and adjust when necessary.
 - Improve accounting of expenditures so that recurring costs are more accurately projected and managing budgets is emphasized.
 - Follow budget under run agreement and deduct any under runs from the next year’s budget.
- Improve adherence to budget setting timeline

¹ From Paragraph IV, Amendment #2 or Contract No. DE-MS79-91P93212 signed February 28, 2022

- Last few years have been delayed due in part to incomplete (lacking labor estimates, current items to be requested) and poor quality (justification sheets, expense items incorrect) budget packets (budgets, justification sheets etc.).
 - For FY23
 - '23 lacked labor
 - Line items in OR&R and should have been OM
 - Estimates were updated as they weren't accurate a month into discussions
 - Some items were known to be completed in '22, but not updated in request.
- Proposed actions:
 - Budget request is accurate and complete when submitted at beginning of budget review process.
 - Justification sheets and documentation of the phase of each project is up to date and accurate upon beginning of the budget review process.
 - Budget and other documents should have consistent formatting.
- Comply with Past Agreements:
 - Partial Settlement Agreement (3/18/21)
 - FTE Justification and others.
 - Amendatory Agreement #2 (2/28/22)
 - Residual Value Report and others.
- Justify new FTE's and charging practices:
 - Need to have clear understanding of why a new position is needed, and ensure that current charging practices of shared employees adequately reflect work needed to support CFP.
 - Proposed Actions:
 - New FTE request include a list and approximate workload of new requirements for Cowlitz Falls Project.
 - Report showing charging of employees to CFP to demonstrate that percentages shown in exhibit are accurate.

Bonneville Response to Lewis FY23 Budget

Bonneville appreciates the work that has gone into the budget process to date and there are many improvements to our process that will serve the two organizations in future budget and execution discussions. As you know, the Long Range Plan (LRP) effort had stalled due to some concerns about the models ability to appropriately weight projects without Hydroamp scoring against subject matter experts scoring. The Subject Matter Experts (SME) scoring criteria and approach should be consistent similar to the process developed to inform the Hydroamp assessment. The intent of the LRP is to appropriately show risks to the project based on condition assessments and criticality of various features of the Project dependent upon various investment budgets, capability to execute and staging/timing of the various projects. The model, when updated and the current run completed, will provide a good tool to help set future investments starting in 2024. Recent discussions of the modeling approach and changes to the system are promising and we are hopeful that the model changes, updated inputs and outputs of the planning model will help to inform investment needs for FY24 and beyond.

As for the current FY23 review and initial response from Bonneville, it has been somewhat difficult to provide clear responses to the budget submission as there are several areas within the budget that needs adjustments. For example, some line items had questions whether they were for contracted services or materials and excluded on site labor as the inclusion of onsite labor would “double count” for the effort. Some line items were expected to be completed in FY22 and not needed for FY23. Additional modifications were needed to clear up software and district labor support as costs for those items should be included in A&G Exhibit and not in other sections of the budget. Initially, there were new items in the OR&R section that lacked justification sheets and some justification sheets that lacked current information. All of the aforementioned budget submission delinquencies make it difficult for a timely review and determination of an agreed upon budget.

In reviewing and determining budget areas that Bonneville supports, there are several key criteria that is used to determine Bonneville’s support for the upcoming fiscal year. First, the criticality of executing the work in the fiscal year is considered. Criticality is high for items that affect safety of the public, plant personnel and equipment along with items that are required to protect the environment and to meet additional regulatory requirements. In general, those items that recurring costs (O&M and Special O&M) from year to year are also considered. Another factor in Bonneville support of budget line items are the supporting documentation and discussions that demonstrate a high likelihood of accomplishing or executing the line item and subsequent budget. As you are aware, Bonneville has expressed concerns about past under-execution of the Cowlitz Falls budget and feel that good analysis of alternatives, completed designs and current cost estimates along with sound scheduling of activities play a major role in executing work in the future.

Bonneville proposes the following budget levels for the major budget categories of O&M, Special O&M and OR&R as a result of consideration of the priority and need to execute in the fiscal year, certainty of execution success (analysis, designs, schedule, appropriate permitting and regulator needs met). Bonneville suggests these budget category limits as it is very difficult for Bonneville to establish priorities between line items that appear to be similar in need and would rely on Lewis to determine which line item is most important to execute. As in the LRP approach, establishing targeted budget limits helps to determine priorities of activities and line items according to the overall risks to the dam.

In review of the line items and current information that has been provided during meetings and in documentation to date, Bonneville proposes the following budget targets:

O&M Initial Budget Target **\$ 1.46 M**

This target takes into account typical recurring costs shown on past budgets and execution of the budget along with items that are non-recurring. For non-recurring costs or where recurring costs increased significantly from previous years, a judgment of their criticality and justification was used to estimate the overall budget target. In other cases, items were very roughly estimated and appeared to be a **contingency without clear past expenditures** that demonstrate support of the requested amount. As discussed, Bonneville recommends that Lewis track these costs for future years. If OY23 requirements of activities within these broad contingency categories are needed, Bonneville suggests consideration of the use of other under-runs or the working capital contingency that is carried form year to year. If justified and required, budget adjustments can happen within the OY and Bonneville will consider those needs.

Special O&M Initial Target **\$ 4.55 M**

Special O&M budget requested items had new allocations of labor that lacked justification and workload analysis. Other items do not appear to be urgent enough to warrant execution in FY23.

OR&R budget requests had several large items that lacked appropriate permits, analysis, planning and design to expect the line items to be executed in FY23. Some items appear to buy down future risks but there is no demonstrated need to execute in FY23 while others still lack enough information to determine installation requirements or whether or not the work can be completed during the fiscal year.

(1) **OR&R items not ready due to permitting, legal, defined responsibilities:**

Wildlife Mitigation Land

Debris Barrier Coating & Cathodic Protection – Construction

(2) **OR&R items lacking final analysis, design, schedule sequencing, scoping or current estimates:**

5-Ton Bridge Crane

Boat Barrier Replacement – Installation

Sluice Gate Replacement – Design 2

Spillway 4 Rail Extension – Construction

Transmission Line Access – Bridge Replacement

Trash Rake – Design

Trash Removal System – Design

Campground & Day Use Park Paving

(3) OR&R Items lacking demonstrated criticality or need to be completed in FY23:

Kiona Creek Enhancement

Man-Made Island Canal – Design

Battery Bank Replacement

Batter Chargers

Drainage Gallery Air Supply – Alternative Analysis

Elevator Controls – Design

Generator Protective Relay Replacement – Design

Spillway Gate Control – Alternative Analysis

Unit Instrumentation – Alternative Analysis

Unit Turbine Gage Board Inputs into SCADA – Installation

Campground A Loop Restroom – Design

Bonneville welcomes Lewis to produce another addendum to the budget that is complete, and has the issues identified earlier in this document resolved. Lewis is encouraged to review each line item and determine if they are important enough, ready for a high probability of execution and fit within the category budget amounts above. If there are items that Lewis feels should be included that exceed the budget amounts, please bring those to Bonneville's attention and provide documentation and additional information to demonstrate an urgent need according to the criteria mentioned above.

Bonneville Response to Lewis FY23 Budget

Bonneville appreciates the work that has gone into the budget process to date and there are many improvements to our process that will serve the two organizations in future budget and execution discussions. As you know, the Long Range Plan effort had stalled due to some concerns about the models ability to appropriately weight projects without Hydroamp scoring against subject matter experts scoring. The SME scoring criteria and approach should be consistent similar to the process developed to inform the Hydroamp assessment. The intent of the LRP is to appropriately show risks to the project based on condition assessments and criticality of various features of the Project dependent upon various investment budgets, capability to execute and staging/timing of the various projects. The model, when updated and completed, will provide a good tool to help set future investments starting in 2024. Recent discussions of the modeling approach and changes to the system are promising and we are hopeful that the model changes, updated inputs and outputs of the planning model will help to inform investment needs for FY24 and beyond.

As for the current FY23 review and initial response from Bonneville, it has been somewhat difficult to provide clear responses to the budget submission as there are several areas within the budget that needs adjustments. For example, some line items had questions whether they were for contracted services or materials and excluded on site labor as the inclusion of onsite labor would “double count” for the effort. Some line items were expected to be completed in FY22 and not needed for FY23. Additional modifications were needed to clear up software and district labor support as costs for those items should be included in A&G Exhibit and not in other sections of the budget. Initially, there were new items in the OR&R section that lacked justification sheets and some justification sheets that lacked current information. All of the aforementioned budget submission delinquencies make it difficult for a timely review and determination of an agreed upon budget.

In reviewing and determining budget areas that Bonneville supports, there are several key criteria that is used to determine Bonneville’s support for the upcoming fiscal year. First, the criticality of executing the work in the fiscal year is considered. Criticality is high for items that affect safety of the public, plant personnel and equipment along with items that are required to protect the environment and to meet additional regulatory requirements. In general, those items that recurring costs (O&M and Special O&M) from year to year are also considered. Another factor in Bonneville support of budget line items are the supporting documentation and discussions that demonstrate a high likelihood of accomplishing or executing the line item and subsequent budget. As you are aware, Bonneville has expressed concerns about past under-execution of the Cowlitz Falls budget and feel that good analysis of alternatives, completed designs and current cost estimates along with sound scheduling of activities play a major role in executing work in the future.

Bonneville proposes the following budget levels for the major budget categories of O&M, Special O&M and OR&R as a result of consideration of the priority and need to execute in the fiscal year, certainty of execution success (analysis, designs, schedule, appropriate permitting and regulator needs met). Bonneville suggests these budget category limits as it is very difficult for Bonneville to establish priorities between line items that appear to be similar in need and would rely on Lewis to determine which line item is most important to execute. As in the LRP approach, establishing targeted budget limits helps to determine priorities of activities and line items according to the overall risks to the dam.

In review of the line items and current information that has been provided during meetings and in documentation to date, Bonneville proposes the following budget targets:

| | |
|-------------|-----------|
| O&M | \$ 1.46 M |
| Special O&M | \$ 4.55 M |
| OR&R | \$ 5.50 M |
| Total | \$11.11 M |

For O&M the budget request had items that were going to be completed in FY22, other items were contingencies without any historical costs used to justify the budget request. Some items did not have the support of being a critical item that needed to be executed in FY23. Some items were involved in legal discussions and should not be included in this budget until those are resolved.

Special O&M budget requested items had new allocations of labor that lacked justification and workload analysis. Other items do not appear to be urgent enough to warrant execution in FY23.

OR&R budget requests had several large items that lacked appropriate permits, analysis, planning and design to expect the line items to be executed in FY23. Some items appear to buy down future risks but there is no demonstrated need to execute in FY23.

Bonneville welcomes Lewis to produce another addendum to the budget that is complete, and has the issues identified earlier in this document resolved. Lewis is encouraged to review each line item and determine if they are important enough, ready for a high probability of execution and fit within the category budget amounts above. If there are items that Lewis feels should be included that exceed the budget amounts, please bring those to Bonneville's attention and provide documentation and additional information to demonstrate an urgent need according to the criteria mentioned above.

From: Smith, Glen A (BPA) - PG-5
Sent: Thu Sep 01 08:39:46 2022
To: Brad Ford; Joe First; Nichole Lantau; Michelle Holmes
Cc: Sonoda, Cherie D (BPA) - PGAC-RICHLAND
Subject: BPA Questions - Labor and OR&R
Importance: Normal
Attachments: OR&R Questions.docx; image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

Hi Budget Team,

I've attached some questions after reviewing Labor Budget and OR&R justification sheets along with other OR&R projects that fall below the \$100K threshold.

Please keep in mind that I don't have much background on many of these issues and am trying to get a clearer picture of the needs, conditions and importance of these items.

It would also be good to discuss the consequences if the OR&R projects do not get completed in FY23.

I hope that we can start reviewing these at today's meeting.

Thanks,

Glen

Glen A. Smith

Senior Policy Advisor | PG-5

[Bonneville Power Administration](#)

gasmith@bpa.gov | P 503-230-3105 | C (b)(6)



From: Sonoda,Cherie D (BPA) - PGAC-RICHLAND
Sent: Thu Aug 04 09:48:24 2022
To: Leady Jr,William J (BPA) - PG-5
Cc: Todd,Wayne A (BPA) - PGA-6; Koehler,Birgit G (BPA) - PG-5; Manary,David (BPA) - LG-7; Smith,Glen A (BPA) - PG-5
Subject: Background for Chris Roden (LCPUD) meeting the week of 8/8
Importance: Normal

Hi Bill,

BPA met with CFP and LCPUD staff to kick off the FY23 budget. There are a couple of items that I want to bring to your attention prior to your call with Chris the week of 8/8. They are as follow:

1. Chris' concerns with BPA's comments on the proposed timeline
 - a. Brad indicated they believe the PPA is ambiguous and can be interpreted as requiring approval for two year. Since commercial operations, there has only been a yearly budget approval and BPA doesn't feel there is ambiguity in the PPA. I indicated we are open to discussing a two year budget and changing the PPA to reflect, but this would need to align with our rate case. This has been communicated in the past as well and is part of the larger set of issues that Chris would like to address. It has been a struggle to reach agreement on a 1 year budget and I have concerns with the current state of the relationship and lack of agreed upon process if we can complete a two year review by this fall.
 - b. The LCPUD proposed timeline requested significant time requirements of the executive committee. The original schedule called for executives to meet "without exception, no less than 2x per week, 4hrs per session" to resolve any budget disputes in place after 11/1. BPA's comments looked to complete the work at the staff level and elevate when agreement can't be achieved. There is a fundamental difference in how we see this process. My understanding is that Chris wants decisions made at the executive committee and the working groups are strictly information sharing. PGAC is looking to resolve without executive intervention if at all possible. PGAC will support either approach, but this difference in intent will likely be raised by Chris and need to be settled.
 - c. Failure of past schedules and budgets have been attributed to lack of accountability in action items as well as inability of LCPUD staff to negotiate in good faith. Our comments were an attempt to address this.
2. LCPUD sent their proposed FY23 budget:
 - a. **Total proposed budget ~\$23M. This is a 119% increase from FY22 (\$10.5M).**
 - b. Currently, I have no reason to believe that there are performance issues, degradation concerns, or regulatory issues that would drive this level of increase in their budget.
 - c. We will work through the process to better understand their need for this requested amount, but I am concerned as they are demonstrating the same behavior in FY23 that they did in the last three years of budget disputes. Starting in FY19, they proposed doubling their budget and indicate that they are not legally obligated to prioritize projects or reduce costs at the request of BPA. Each FY we worked down the budget, but at a significant cost to BPA resources.

From: Smith, Glen A (BPA) - PG-5
Sent: Fri Sep 02 12:10:11 2022
To: Brad Ford; Joe First; Nichole Lantau; Michelle Holmes; Sonoda, Cherie D (BPA) - PGAC-RICHLAND
Subject: Budget Meeting Notes - 9/1/22
Importance: Normal
Attachments: image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg; Cowlitz Falls FY23 Budget Review Meeting Notes (1SEP22).docx

Hi All,

Attached are the meeting notes for yesterday's budget meeting. Please let me know if you have any edits or corrections.

Brad, thanks for the OR&R preliminary execution numbers for OY22!

Have a great and enjoyable weekend!

Glen

Glen A. Smith

Senior Policy Advisor | PG-5

Bonneville Power Administration

gasmith@bpa.gov | P 503-230-3105 | C (b)(6)



From: Smith, Glen A (BPA) - PG-5
Sent: Tue Oct 04 06:52:38 2022
To: Brad Ford; Joe First; Nichole Lantau; Michelle Holmes
Cc: Sonoda, Cherie D (BPA) - PGAC-RICHLAND
Subject: Budget Meeting Minutes - 29SEP22
Importance: Normal
Attachments: Cowlitz Falls FY23 Budget Review Meeting Notes (29SEP22).docx; image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

Hi All,

Brad, thanks for sending out the revised budget last week.

Meeting minutes attached.

Glen

Glen A. Smith

Senior Policy Advisor | PG-5

Bonneville Power Administration

gasmith@bpa.gov | P 503-230-3105 | C (b)(6)



From: Smith, Glen A (BPA) - PG-5
Sent: Wed Sep 21 16:41:25 2022
To: Brad Ford; Joe First; Nichole Lantau; Michelle Holmes; Sonoda, Cherie D (BPA) - PGAC-RICHLAND
Subject: Budget Team - Additional Agenda Items for Tomorrow's Meeting
Importance: Normal
Attachments: image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

Hello and I hope all is well,

I'm hoping to include the following in tomorrow's agenda items for our budget meeting:

- 1) A check on our budget schedule;
- 2) Update on execution of labor to be included with OY22 execution discussions;
- 3) FY23 Budget Addendum – including activities to be complete in OY22, carry over from OY22, items to be included in Exhibit , items reviewed for direct labor vs contract or materials; and items in dispute regarding additional FTE positions;
- 4) Justification sheet updates and new ones for those projects requiring a justification sheet;
- 5) Discussion about the LRP.

Thanks,

Glen

Glen A. Smith

Senior Policy Advisor | PG-5

[Bonneville Power Administration](#)

gasmith@bpa.gov | P 503-230-3105 | C (b)(6)



From: Carlson,Debbie (BPA) - PGAC-RICHLAND
Sent: Mon Jun 27 08:02:01 2022
To: Sonoda,Cherie D (BPA) - PGAC-RICHLAND; Smith,Glen A (BPA) - PG-5; Manary,David (BPA) - LG-7; Todd,Wayne A (BPA) - PGA-6
Subject: CFP OY 2022 Budget (draft)
Importance: Normal
Attachments: Jun CFP OY 2022 Budget - comparied to Dec 2021 dollars.xlsx; May.xlsx; -- READ ME --- .docx

Hi –

By now you may have had the opportunity to take a look at the CFP Budget sent to us on Friday by Brad. I would like to remind you there is a summary sheet that was provided by Brad indicating differences between this June version and the budget that was sent to us in December; however Cherie asked I also compare the two budgets. My effort is attached.

Below is a few items, along with the current charges (January – May). Please note I did this all yesterday and while I am confident the spreadsheet is accurate I cannot say the same for the dollars on the list below. Each month I receive a listing of the expenses for the CFP (June SHOULD arrive by mid-July),. I just look at the expenses and if something is odd I will ask questions but otherwise I just highlight certain items and file the list. I have attached the May expenses to show you what I mean (each color represents something specific -- my cheat sheet [read me] is also attached). It should also be noted that sometimes wording is different and I might not guess which project/item the charge should go to (such as the “seismic analysis” or “survey”).

| | |
|-----------------------------|---|
| Control Room | \$10,604 |
| Turbidity Sensors | \$941.46 |
| Structural Seismic Analysis | \$62,120 |
| Seismic Analysis | \$23,725 (I assume this should be noted as structural seismic analysis) |
| Creel | \$37,247 |

| | | |
|--|-----------|--|
| White Water Take Out Site | \$14,481 | |
| Debris Barrier | \$14,109 | |
| Office Site Plan | \$53,937 | |
| Gantry Crane Rail Extension | \$31,129 | |
| Survey | \$2,717 | (could be for office or take out site; probably take out site) |
| North Rock Wall – work started last week) | \$1,573 | (for a drone to take pictures |
| Boat Barrier | \$13,187 | |
| FR Clothing | \$6,847 | |
| Trash Rack Analysis | \$46,735 | |
| Lake Scenewa Bathymetric Study | \$30,536 | don't know what this falls under in the budget |
| Sluice Gate | \$222,269 | |

Because I always find fault with a lot of the CFP purchases I just want to mention just this one item – a pressure washer was purchased for \$865; they had already purchased two of them just last year.

If there are other items you want me to look at, please let me know.

The monthly meet is today – starts at 1:30.

From: Sonoda,Cherie D (BPA) - PGAC-RICHLAND
Sent: Mon Oct 24 15:27:00 2022
To: Smith,Glen A (BPA) - PG-5
Subject: CFP Org Chart - unknown date.pdf
Importance: Normal
Attachments: CFP Org Chart - unknown date.pdf

From: Sonoda,Cherie D (BPA) - PGAC-RICHLAND
Sent: Fri Aug 12 10:59:20 2022
To: Smith,Glen A (BPA) - PG-5
Subject: Copy of 2023 - 2029 DRAFT 07.26.2022_BPA initial questions (smith edits).xlsx
Importance: Normal
Attachments: Copy of 2023 - 2029 DRAFT 07.26.2022_BPA initial questions (smith edits).xlsx

Hi Glen,

The responses you wrote from LCPUD are consistent with my notes. I couldn't help but add a few comments.

The numbers seems to be in the right ball park (though not exact) on both tabs if I add in the Wheeling and taxes from the LCPUD detailed spreadsheet.

For our action we took yesterday, were we suppose to send this document to LCPUD to document what is still outstanding? If so, I think we sent a different version to them- this one has Debbie's original comments and the one we sent before the wording was modified?

Best,
Cherie

AMENDATORY AGREEMENT #2

to the
AMENDATORY CONTRACT FOR POWER PURCHASE
executed by the
UNITED STATES OF AMERICA
DEPARTMENT OF ENERGY
acting by and through the
BONNEVILLE POWER ADMINISTRATION
and
PUBLIC UTILITY DISTRICT NO. 1 OF LEWIS COUNTY, WASHINGTON
(Cowlitz Falls Hydroelectric Project)

This Amendatory Agreement No. 2 to the Amendatory Contract for Power Purchase (Contract), executed February 10, 2022 by the UNITED STATES OF AMERICA (Government), Department of Energy, acting by and through the BONNEVILLE POWER ADMINISTRATION (Bonneville), and PUBLIC UTILITY DISTRICT NO. 1 OF LEWIS COUNTY, WASHINGTON (Lewis), a public utility district organized and existing under the laws of the State of Washington (the Parties);

WITNESSETH:

WHEREAS, the Parties agreed, under Amendatory Agreement #1 executed on October 24, 2002, to amend the definition of "Operating Year" to mean any consecutive 12-month period during the Term which commences at 2400 hours, September 30, and ends at 2400 hours the following September 30 and amend the "Annual Schedules" to no later than each March 1; and

WHEREAS, Lewis has requested Bonneville to amend the definition of Operating Year to a twelve month period beginning each January 1; and

WHEREAS, Bonneville and Lewis recognize that mutual benefits may be achieved through changing the Operating Year and Annual Schedules of the Cowlitz Falls Hydroelectric Project (Project) to coincide with Lewis' budget cycle; and

WHEREAS, Lewis has adopted the Third Supplemental Cowlitz Falls Project Revenue Bond Resolution (Resolution No. 2946) to adopt the new operating year; and

WHEREAS, Bonneville and Lewis recognize ambiguities in the A&G methodology described in Exhibit F of the Contract and agree to amend and supplement Exhibit F to clarify current A&G methodology; and

WHEREAS, Bonneville and Lewis agree on the additional governing contract principles stated in the newly added Exhibit H to this Amendatory Agreement ; and

WHEREAS, this Amending Agreement #2 amends Amending Agreement #1 and further amends the Contract executed by and between the Parties on May 23, 1991;

NOW, THEREFORE, the Parties agree as follows:

1. Definition of Operating Year

Contract, Section 1, Definition (u) "Operating Year", is amended as follows:

- a. for the Operating Year beginning at 2400 hours September 30, 2020, the Operating Year will run 15 consecutive months, ending at 2400 hours, December 31, 2021.
- b. for the Operating Year beginning at 2400 hours, December 31, 2021, Operating Year means any consecutive 12-month period during the Term which commences at 2400 hours, December 31, and ends at 2400 hours the following December 31.

2. Amendment to Exhibit A: "Power Scheduling Procedures"

Contract, Exhibit A, Section 1, "Annual Schedules", is amended as follows:

Annual Schedules.

No later than each September 1, Lewis shall submit to Bonneville the following information:

- a. the schedule of maintenance for the Project for the succeeding Operating Year
- b. all other operational and maintenance information for the succeeding Operating Years which the Parties have determined to be pertinent to integrating the Project Output into the Federal Columbia River Power System (FCRPS).

3. Amendment to Exhibit F: "Cowlitz Falls Administrative and General Overhead Cost Methodology"

Contract, Exhibit F, is amended to add as follows:

- a. In the "Various Methodologies" section after "See attachment II" a new paragraph:

Fourth is the ongoing operation period following construction. During this period A&G costs will be included as part of the annual budget as a Project Cost. See Attachment III.
- b. A new Attachment III to be added:

Attachment III

1. Term

- a. This agreed upon methodology acts as the fourth period of applicability as contemplated within Exhibit F of the Contract and pertains to the operating period of the Contract until termination and shall be revisited by the parties every (3) years to accommodate any necessary changes. This methodology shall be applicable beginning with the 2021 Operating Year Budget.

2. Method

A&G Calculation – The computation used to determine the A&G cost allocation as described in Section 9(a)(7) of the Contract shall be:

- a. A&G Cost Pool - The following method will determine the A&G Cost Pool:
 - i. Electric System (ES) A&G costs (FERC accounts 921-935, excluding 926 and 929)
 - ii. Subtract - ES A&G costs providing no benefit to the Project
 - iii. Subtract - ES A&G costs directly billed to the Project
 - iv. Add - Chehalis and Morton Administrative Building Property Insurance
 - v. Equals - A&G Cost Pool
- b. Allocation Factor
 - i. An annual allocation factor shall be calculated using the most recent three-year average of the Modified Massachusetts (MA) Formula as weighted below:

| Factors | Weighting | Source |
|-------------------------|-----------|-----------------------------|
| Total Utility Plant | 20% | Audited Financial Statement |
| Total Operating Revenue | 40% | Audited Financial Statement |
| Total Wages | 40% | District Data |

3. Application

- a. Costs allocated shall be:
 - i. Updated every budget period.
 - ii. Reviewed quarterly within the budget period.
 - iii. Subject to annual true-up using actuals.

4. Addition of a new Exhibit H: "Additional Governing Contract Principles"

- I. Bonneville acknowledges Lewis's responsibilities as owner/operator of the Project and the necessary discretion that comes with that role.
- II. Lewis has the responsibility to operate and maintain the Project in an efficient, reliable manner at the lowest reasonable cost while maintaining it in reasonably good repair, working order, condition and providing for the longest reasonable operating life for the Project and extensions thereof. *See, e.g., Contract, Sections 7(b) and 7(c).*
- III. Lewis has the responsibility for the technical integrity and safety associated with the Project.
- IV. Lewis acknowledges that, consistent with the Northwest Power Act (16 U.S.C. § 839d(i)) and the Contract (Recitals at 3), Bonneville has a direct interest in actions and decisions affecting Project Power Costs and a right to oversee and participate in actions associated with operation of the Project as described in the Contract. *See, e.g., Contract, Sections 8 and 23.* Bonneville has an obligation to its rate paying customers to perform due diligence on costs that impact rates.
- V. The Parties will make good faith efforts to reach mutual agreement on the Project budget within the timeline set forth in the Contract. These efforts shall include:
 - a. Lewis shall perform appropriately scaled analysis on all proposed expenditures over \$100k (including Project Full Time Employee increases) in alignment with industry standard asset management practices for similarly-sized non-federal projects, to ensure sufficient information is available to make informed and sound business decisions.
 - b. The Parties agree that Lewis must promptly provide information, analysis, and documentation concerning the Project as described under Contract Section 8(a)(1).
 - c. If the project analysis meets the standards set forth above, the Parties will accept the results.
- VI. The CFP budget is governed by the PPA and the specific needs of the Project and should not be influenced by external financial considerations of either party.

The Additional Governing Contract Principles identified above supplement rather than replace or supersede the existing Contract Principles under Section 7 of the Contract (the "Existing Contract Principles"). The Parties shall exercise their rights and discharge their duties set forth in the Contract in a manner consistent with both the Existing Contract Principles and the Additional Governing Contract Principles. References in the Contract to the principles set forth in Section 7 shall be construed to include reference to the Additional Governing Contract Principles set forth in this Exhibit H.

IN WITNESS WHEREOF, the Parties hereto have executed this Amendatory Agreement #2 in counterparts.

PUBLIC UTILITY DISTRICT NO. 1 OF
LEWIS COUNTY, WASHINGTON

UNITED STATES OF AMERICA
Department of Energy
Bonneville Power Administration

By: _____

By: _____

Title: _____

Title: [Senior Vice President, Power Services](#)

Date: _____

Date: _____

From: Sonoda,Cherie D (BPA) - PGAC-RICHLAND
Sent: Mon Aug 22 17:39:17 2022
To: Smith,Glen A (BPA) - PG-5
Subject: CFP labor breakdown
Importance: Normal
Attachments: Labor 2022_2023 comparison.xlsx

Hi Glen,

This spreadsheet is not a polished as I would like, but for the sake of time – it's good enough. If anything is confusion, let me know!

In FY22 we contested:

1. Fish and Wildlife technician
 - a. CFP took the existing biologist and created the fish and wildlife (F&W) supervisor position. The F&W tech proposed would report to the F&W super. This position should have been eliminated after Tacoma took over the fish facility. BPA doesn't have justification why this position now needs a supervisor and direct report with Tacoma now running the fish facility.
2. CFP IT support
 - a. No justification for additional IT support, beyond what is currently allocated.
3. CFP purchaser/buyer
 - a. No justification for additional support, beyond what is currently allocated.

Attached you will see that FY23 shared LCPUD labor wages increased by 31.8%; direct CFP employee wages increased by 22.1%. The drivers for increased positions and change in allocation are identified in the spreadsheet. CFP did add the FY22 contested position for direct CFP labor, and added position and adjusted allocations applied in the shared LCPUD labor section.

-Cherie

From: Sonoda,Cherie D (BPA) - PGAC-RICHLAND
Sent: Mon Aug 29 13:46:35 2022
To: Smith,Glen A (BPA) - PG-5
Subject: Copy of Cowlitz Falls FY23 Budget - Draft Criticality Based cs.xlsx
Importance: Normal
Attachments: Copy of Cowlitz Falls FY23 Budget - Draft Criticality Based cs.xlsx

Hi Glen,

My comments attached. I agree with criticality of ES support and CFP wages, but noted that we need justification prior to adding the additional ES and CFP head count. They added ~\$350k in shared for LCPUD/district staff, and \$131k in CFP staff.

Also, some of the OR&R projects, we need to rally with Mike and go over. There is a back story to the bridge crane, site prep for new office space, sluice gate, and spillway 4 extension. These were all BPA contested items in FY21 and FY22 due in most part to the lack of adequate justification. We conceded and gave them money for study or design in FY22, so that they could provide more information/justification to proceed. They are supposed to come back with that information prior to us approving the next phase. I added a note saying, "potential deferral", so we can review JS sheets and details with Mike on these particular projects prior to recommending formal deferral to Bill.

-Cherie

From: Smith, Glen A (BPA) - PG-5
Sent: Thu Aug 25 08:43:14 2022
To: Brad Ford; Joe First; Nichole Lantau; Michelle Holmes; Sonoda, Cherie D (BPA) - PGAC-RICHLAND
Subject: Cowlitz Budget Meeting Minutes -19AUG22
Importance: Normal
Attachments: Cowlitz Falls FY23 Budget Review Meeting Notes (19AUG22).docx; image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

Hey All,

I've attached some notes that I took for our meeting last week.

For this week, I'd like to include the following on our agenda:

- Meeting notes, review and approval.
- o Review of action items and status.
- Ranking large OR&R projects.
- How to annotate where we have agreement or issues.

Looking forward to the meeting this afternoon.

Glen

Glen A. Smith

Senior Policy Advisor | PG-5

[Bonneville Power Administration](#)

gasmith@bpa.gov | P 503-230-3105 | C (b)(6)



1 – Confirm that FY22 Budget is agreed too with the exception of the three new positions. These positions will remain in disagreement and will be further discussed to find common ground.

2 – Confirm that we are working on the FY23 budget approval on the schedule that was sent.

3 – Would like future budget submissions to be a common format with sections that are consistent and provide ease of review.

4 – Would like to know why the FY23 Budget submission was sent for the out years?

5 - Would request that capital work be shown over a 5 – 7 year period. BPA could see the sequencing of capital work over a longer time period.

6 – Would like routine recurring work to only increase by the rate of inflation from year to year. Non-routine expense

Note: the December 2021 spreadsheet contained two sets of numbers: (1) 2021 Initial Amounts and (2) Revised Budget. Within the revised budget there were three columns: (1) Approved, (2) Contingent, and Defer. It is assumed the "approved" column are those items that BPA approved in our November 9 letter (it should be pointed out that Chris "rejected" the Budget). The Contingent column are those items BPA had questions about. Only one item appeared in the "Defer" - \$700K for Wildlife Mitigation Land. *** The list below shows any differences between the "approved" 2021 and the June 2022 presented budget.

| Item | Approved Dec 2021 | Contingent Dec 2021 | Budget June 2022 | Comments |
|--|-------------------|---------------------|------------------|--|
| A&G Exhibit F | | \$371,600 | \$371,600 | |
| Budget Facilitator | | \$25,000 | \$0 | |
| Auditing | | | | renamed to Auditing - Accountability (\$2,300 and Auditing - Financial (\$19,00) |
| WECC & NERC Consultants | | | | renamed to Compliance Consultant |
| Control Room / Office Area Repairs - Construction | | \$292,500 | \$586,030 | |
| GSU Transformer #1 Metering CT Replacement | \$980,000 | | \$15,000 | |
| GSU Transformer Maintenance | \$45,000 | | \$3,240 | |
| Dam Safety Consultant | | | | an individual was recently hired - ask if he can be the consultant |
| CE Vehicle Verizon Connect | \$540 | | \$540 | if this is the GSP services it is \$288/month |
| Temporary Offices | | \$200,000 | \$0 | |
| Tools and Equipment | | | | renamed to Tools & Equipment - Operations |
| Transformer Oil Processing & Testing | \$30,000 | | \$165,780 | renamed to GSU Transformer Oil Processing & Testing |
| 5-Ton Bridge Crane | | \$650,000 | \$490,000 | |
| Boat Barrier Replacement - Alternative Design | | \$30,000 | \$41,375 | note: \$15K is to be spent for Boat Barrier Replacement - Alternative Analysis |
| Exciter Brush Dust Vacuum System | | \$92,200 | \$92,200 | |
| Generator Hatch Cover Seals & Drains | | \$240,000 | \$25,000 | |
| New Facility - Site Preparation | | \$898,100 | \$60,000 | |
| Suice Gate Replacement - CFD & Physical Model Design | \$200,000 | | \$115,605 | |
| Sluice Gate Replacement - Design 1 | | \$485,000 | \$372,000 | |
| Sonar & Turbidity Sensors | \$15,000 | | \$25,000 | |
| Spillway & Rail Extension - Design | | \$270,000 | \$330,025 | |
| Spillway Handrail & Guardrail | \$92,000 | | \$226,585 | |
| Trash Rake - Alternative Analysis | \$85,000 | | \$86,500 | |
| Trash Removal System - Alternative Analysis | \$330,000 | | \$76,630 | |
| 1D Sediment Transport Study | | \$100,000 | \$100,000 | |
| Park Equipment Repairs | | | | renamed to Equipment Repairs - Park (\$3,200); there is also a line for \$10K for "Repairs & Supplies" |
| Tools & Equipment | | | | renamed to Tools & Equipment - Recreation |
| Take Out Site Improvements | | | | renamed to Copper Canyon Take Out Site Improvements |
| Operator Training Development | \$180,000 | | \$130,000 | |
| Social Security Medicare | \$109,260 | \$6,180 | \$110,805 | |
| Employee Medical Insurance | \$387,700 | \$27,030 | \$394,460 | |
| Employer PERS | \$136,960 | \$8,280 | \$138,930 | |
| ES Support Overhead - IS/IT | | \$45,900 | \$11,475 | |
| ES Support Overhead - Purchasing | | \$52,000 | \$13,000 | |
| ES Support Wages - IS/IT | | \$65,770 | \$16,430 | |
| ES Support Wages - Purchasing | | \$74,440 | \$18,610 | |
| L&I Employer | \$18,800 | \$2,140 | \$19,335 | |
| Long Term Disability | \$3,540 | \$230 | \$3,595 | |

| | | | | |
|---|-------------|----------|---------------|--|
| Misc Pension & Benefits, CDL, Medical Exam, etc | \$5,000 | \$100 | \$5,025 | |
| Paid Family Leave Benefit | \$2,540 | \$140 | \$2,575 | |
| Short Term Disability | \$2,000 | \$100 | \$2,025 | |
| Term Ins Benefit | \$1,240 | \$100 | \$1,285 | |
| VEBA Benefit | \$13,350 | \$810 | \$13,550 | |
| Wages | \$1,428,280 | \$80,820 | \$1,448,485 | |
| Water / Wastewater Training | \$1,200 | | \$0 | |
| | | | | |
| BPA Project Reimbursement | \$8,017,580 | | -\$10,595,580 | the initial 2022 reimbursement amount was \$13,748,575 |
| BPA Project Reimbursement - 2021 Carry Over | | | -\$700,515 | |
| Campground Revenue (Net of Service Fees) | | | -\$95,000 | |

Special O&M

Temporary Office Space

- What is the current estimate?
- Do you have the required permits? If not, when do you expect them?
- What is the expected timeline after permits are received?

Procurement Supervisor – Increase percentage from 15% to 50% from '22 to '23.

- What additional workload was added to this position in support of CPF to warrant such an increase?
- Please identify the new workload tasks and estimated hours to complete each task for '23.

Purchaser buyer (2) – two positions increasing CFP, one from 0% to 70% and one from 10% to 30% from '22 to '23.

- This looks like one of the three positions that is in dispute.
- What additional workload was added to this position in support of CPF to warrant such an increase?
- Please identify the new workload tasks and estimated hours to complete each task for '23.

Administration Position – Increase charging to Cowlitz Falls from 0% to 5% from '22 to '23.

- What duties have increased to warrant the change?
- Please identify the new workload tasks and estimated hours to complete each task for '23.

F&W Technician

- This looks like a disputed position.
- Looking for the workload and duties for this position as it would appear that, with Tacoma taking over fish related issues, the workload for a fish biologist and technician should have decreased. What new workload or duties that are not being supported by Tacoma would this position accomplish?
- Please identify the new workload tasks and estimated hours to complete each task for '23.

CF Network Admin/Network Admin II – Increase in combined charges of 105% from '22 to '23 (90% and 15% respectively).

- This looks like the third disputed position.
- What changed in IT support of CFP that requires the additional manpower?
- What specific duties and estimated annual personnel hours are required to support the additional workload?

Business Services Manager – Increase from 0% to 12.5% from '22 to '23.

- What changed to prompt support from the Business Services Manager?
- What is the estimated annual personnel hours needed to support this change?

OR&R Questions

Spillway 4 Rail Extension – Construction

- How often is spillway maintenance on gate 4 done?
- When was the last time maintenance was completed on gate 4?
- Is the design complete?
- What is the current estimate and potential construction schedule?

Debris Barrier Coating & Cathodic Protection – Construction

- When will you have permit from the Corps? Will this happen this year?
- Do you need permit before starting site prep work?
- Can you provide an updated construction cost and potential schedule?
- Do you need NMFS, WDFW, Tacoma approval for the drawdown? Is it required for timing of work and something that you would ask for during the year of construction?

Boat Barrier Replacement – Design

- Has Lewis reviewed the security assessment with BPA?

Boat Barrier Replacement – Installation

- Does the '23 scope include procurement and installation?
- What is the current costs for the project to complete?

New Facility - Site Preparation

- Is the county permit required before site prep begins?
- Is the design complete? If not, when will it be complete?
- What is the timing of year that the work needs to be completed in?

- What is the current estimate?

Sluice Gate Replacement - Design 2

- Is the study complete and has it been discussed with BPA?
- What is the current design estimate?

5-Ton Bridge Crane

- What are current cost estimates?
- Can this work be completed over a two year period?
- What is the tentative schedule for procurement and installation?

Trash Removal System – Design

- Has BPA reviewed the study results and alternative?
- It appears that the Justification Sheet has not been updated for a while. What are the current estimates for design?

Transmission Line Access - Bridge Replacement

- Do you have a justification sheet for this? Searched LCPUD folder and didn't find it.

Generator Hatch Cover Seals & Drains

- Have the seals been procured?
- What is the current estimate and schedule for completion?

Trash Rake Design

- What is the current estimate for design?
- What is the current schedule for design?

Campground & Day Use Park Paving

- Can you provide pictures of the pavement showing conditions?
- When was it last paved?

Generator Protective Relay Replacement – Design

- Do you have a justification sheet for this? Searched LCPUD folder and didn't find it.
- What is prompting the relay replacement?
- Are you having issues with the current system or obtaining spare parts?

RT Fork Lift

Battery Chargers/Battery Bank Replacement

- How old are the current chargers and batteries?
- Are you experiencing any issues with them or have done any condition based analysis?

Security Improvements

- Are these based on an assessment?

Drainage Gallery Air Supply - Alternative Analysis

- Is the current air supply system not operating?
- Is this project a life safety or for maintenance support?

Elevator Controls – Design

- Are there issues with the current design?
- Do you have to maintain state certification?

Campground A Loop Restroom – Design

- How bad is the current restroom?
- Are there any features that are inoperable?

HVAC AH-1 Replacement Office Area

- Is the current HVAC operating?
- What are the issues with the HVAC?
- is this a replacement or a betterment? Could be expense.

Spillway Gate Control - Alternative Analysis

- What are the issues with the current control system?
- What is the design and construction rough schedule?

Unit Instrumentation - Alternative Analysis

- What is this project for?

Unit Turbine Gage Board Inputs into SCADA – Installation

- Were these recently added?

Elevator Roof Access – Installation

- Is there no current roof access?

Major Office & Network Equipment

- Is this work expense?

- What is the scope and why is it necessary?

Roadway Gates

- Are these new gates or replacing existing ones?
- If new gates, is it based on a security assessment?

Service Water VFD & Controls Replacement

- What does the service water feed?
- Are there alternative sources?

Downstream Notification Siren – Design

- Is there a downstream notification siren now? If so, does it work?

Day Use Park Flat Water Kayak Take Out

- Why is this urgent and a priority?
- Are there other areas to take a Kayak out?

Station Service Cabinet Inputs Into SCADA – Design

- What are the general scope of inputs? Are they related to other newly installed or planned to install devices?

Cowlitz Falls FY23 Budget Review Meeting

Meeting Date: September 29, 2022

Attendees:

Brad Ford, Joe First, Nicole Lantau, Michelle Holmes, Cherie Sonoda, Glen Smith

Topics:

Agenda items sent in this morning:

1) Updated Budget Submission

a) Remove legal and activities that will be completed in '22.

Brad asked about this for understanding. Glen said it was the land mitigation item that was in legal resolution. Brad understood and said that the amended budget will have this item removed.

b) Coordinate items that should be included with A&G Exhibit F.

Brad stated that the exhibit items have been coordinated and the line items in the budget are for the Cowlitz Falls Project only and not a District resource or shared item.

c) Scrub items where direct labor was included where contracted or materials budgeted for.

Joe said that the items have been scrubbed and in some cases either contract labor, district labor or direct labor will be involved.

d) Update items where fuel and other estimates may have been high.

This has been done but needs to be redone since fuel prices have changed again. The latest estimates will be included in the upcoming budget amendment along with other training changes.

2) Response to labor increase questions for Special O&M

These responses are still being developed and checked and will be available by next Friday.

3) Provide update on OY22 projected under-runs.

Joe stated that these will be included in the discussion during our OY22 execution meeting on October 5th.

4) Results of reviewing categorization of expense and OR&R items identified in email.

Brad said that Glen's initial observations are correct and they will be reviewing the items and appropriately moving them to the correct area (expense vs capital) with their budget update.

5) Special O&M item review to ensure they should be in that category.

Brad mentioned that they follow definitions that were setup in '22 and include such things Consumables, fuel, labor, no tax. Training- if it is an A&G training they would put in special O&M. Safety training, admin training, etc are all in special O&M.

6) Setup meeting to discuss Sluice Gate Design 2.

Joe will look at calendars and set something up.

7) Discuss Bonneville's initial response to the budget submission.

Glen stated that Bonneville will have a response by early next week.

8) Facilitation Contract Update

Glen said that Bonneville was near award on the contractor and would share what he could with Lewis. Brad stated that we had an understanding that Bonneville would share the contractor name before award so that Lewis could check references etc. Glen said that he would check with the contracting specialist to see what he can release when.

OR&R specific Items:

5-ton bridge crane:

Does Lewis have the calculations to determine the right capacity been completed? Will it lift all required loads?

Joe- it was originally meant to move deck plates, wicket gate, larger items currently used by gantry crane. Also useful to utilize during large overall on other items. There are noted discrepancies in wording in justification sheet, Joe indicated he can look back at the JS sheet to ensure intended use was reflected. Joe said they looked at size and weight back in 2015. Joe will go back and review initial assumptions. LRP placed this project in FY27. Joe said LRP didn't account for everything and thought it was only a first iteration estimate. He thinks the second version of LRP will accelerate implementation. The plan is one bridge crane over each unit. Joel will look at data on the most recent quote. Joe wants to this outside the rainy season, needs to do it late June - September. Joe said they can do some things in parallel, but Joe is going to leave that up to the contractor to determine. Design mostly off the shelf.

Battery banks and Battery Chargers:

Are these a direct replacement? Joe said yes they are. Glen said he thinks these should be expensed and not capitalized. Joe talked about potentially having two banks similar to larger hydropower facilities but has not really considered that change yet.

Boat barrier replacement:

Is the boat barrier placement critical to the overall trash management? Joe said yes, it is critical to the other projects for management of sediment/etc. They did not do one overall alternative analysis with trash rack, boat barrier, etc. Joe said that's one thing they did not do yet and Joe took action to go back and look at all of those to see if there was any broader analysis.

Glen, at what point do you determine how much design would go into that and would the boat barrier contractor would determine themselves. Joe said approach is still just in the beginning of the design phase. McMillen is looking at that now. Joe will follow up on how much is on vendor and how much is on McMillen. Design will be started in FY22 and will spill into Q1 FY23.

Spillway 4 extension

Joe said bridge analysis is less time dependent. CFP has never done an inspection, so they think they probably should. Joe doesn't expect there to be a problem associated with expansion, but he can't say definitively.

Bridge analysis is separate sections than what is being looked at with sluice gate and rail analysis. There isn't overlap in structural review with bridge refurbishment.

Transmission line access

Joe will ask about if there is alternate access for the bridge or is there another alternative that can meet same need. Project is to re-furbish existing bridge.

Unit Instrumentation – Alternative Analysis

Review current instrumentation and recommend more modern system or added points.

Unit Turbine Gage – Addition to SCADA

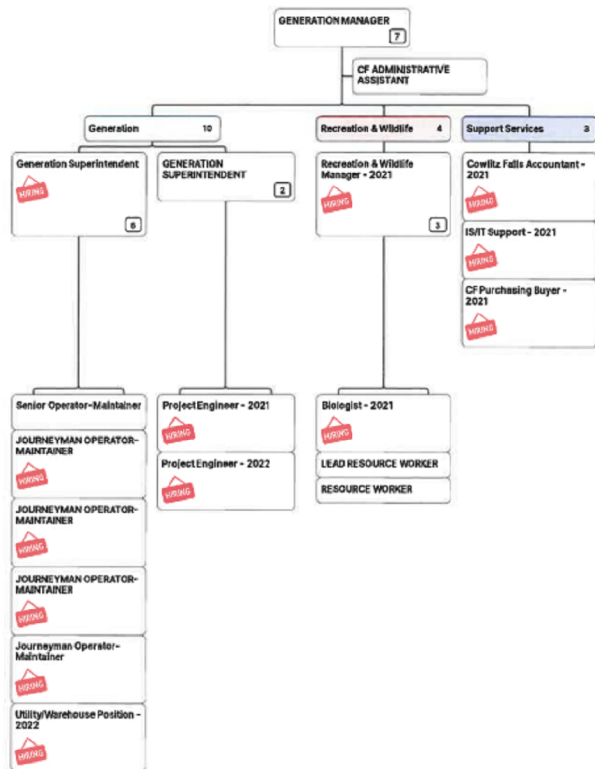
Joe - the SCADA support should cover programming. These costs are for wiring, conduit etc to get points into the PLC.

Action Items:

- Setup meeting to discuss Sluice Way Analysis and Design;
- Review details of OY22 under-runs for next execution meeting;

- Finalize Budget addendum to reflect actual request by next Friday;
- Joe to look for alternatives of Transmission Bridge Rehab;
- Joe to relook at 5 ton crane to ensure correct size and will look at latest cost estimates;
- Joe to look at alternatives and coordination of Boat Barrier, Trash Rake and Trash Removal systems.

GENERATION MANAGER



| Group | Category | Detail | 2022 | 2023 | 2024 | Amount increase | % increase | Comment |
|-------------------------|-------------|--|--------------|---------|------|-----------------|------------|---|
| Wage, Benefits, & Taxes | O&M | OT Taxes | \$ 4,100 | 4500 | | 400 | 9.76% | |
| Wage, Benefits, & Taxes | O&M | Social Security Medicare | \$ 109,260 | 133400 | | 24140 | 22.09% | |
| Wage, Benefits, & Taxes | O&M | Social Security Medicare - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | Employee Medical Insurance | \$ 387,700 | 510800 | | 123100 | 31.75% | |
| Wage, Benefits, & Taxes | Special O&M | Employee Medical Insurance - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | Employer PERS | \$ 136,860 | 175600 | | 38740 | 28.31% | |
| Wage, Benefits, & Taxes | Special O&M | Employer PERS - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | ES Support Overhead | \$ 400,300 | 527200 | | 126900 | 31.70% | |
| Wage, Benefits, & Taxes | Special O&M | ES Support Overhead - IS/IT | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | ES Support Overhead - Purchasing | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | ES Support Wages | \$ 572,740 | 754700 | | 181960 | 31.77% | 1. Additional CFP buyer/allocation of 70% to CFP. 2. Increase in IT and network support allocation to CFP. |
| Wage, Benefits, & Taxes | Special O&M | ES Support Wages - IS/IT | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | ES Support Wages - Purchasing | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | Flu Shot Clinics | \$ 400 | 400 | | 0 | 0.00% | |
| Wage, Benefits, & Taxes | Special O&M | L&I - Employer | \$ 18,830 | 27500 | | 8700 | 46.28% | |
| Wage, Benefits, & Taxes | Special O&M | L&I - Employer - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | Long Term Disability | \$ 3,540 | 4600 | | 1060 | 29.94% | |
| Wage, Benefits, & Taxes | Special O&M | Long Term Disability - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | Misc Pension & Benefits, CDL, Medical Exam, etc | \$ 5,000 | 5000 | | 0 | 0.00% | |
| Wage, Benefits, & Taxes | Special O&M | Misc Pension & Benefits, CDL, Medical Exam, etc - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | OT Benefits | \$ 8,900 | 7400 | | -1500 | -16.85% | |
| Wage, Benefits, & Taxes | Special O&M | OT Wages | \$ 53,400 | 59100 | | 5700 | 10.67% | |
| Wage, Benefits, & Taxes | Special O&M | Paid Family Leave Benefit | \$ 2,540 | 3400 | | 860 | 33.86% | |
| Wage, Benefits, & Taxes | Special O&M | Paid Family Leave Benefit - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | PCORI ACA Requirement | \$ 100 | 100 | | 0 | 0.00% | |
| Wage, Benefits, & Taxes | Special O&M | PL Cash Out | \$ 15,000 | 5000 | | -10000 | -66.67% | |
| Wage, Benefits, & Taxes | Special O&M | Retiree/COBRA Med Ins - Premiums & Claims | \$ 20,000 | 20000 | | 0 | 0.00% | |
| Wage, Benefits, & Taxes | Special O&M | Short Term Disability | \$ 2,000 | 2000 | | 0 | 0.00% | |
| Wage, Benefits, & Taxes | Special O&M | Short Term Disability - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | Standby Pay | \$ 38,300 | 39500 | | 1200 | 3.13% | |
| Wage, Benefits, & Taxes | Special O&M | Term Insurance Benefit | \$ 1,240 | 1200 | | -40 | -3.23% | |
| Wage, Benefits, & Taxes | Special O&M | Term Insurance Benefit - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | VEBA Benefit | \$ 13,350 | 16900 | | 3550 | 26.59% | |
| Wage, Benefits, & Taxes | Special O&M | VEBA Benefit - F&W Tech | \$ - | | | 0 | | |
| Wage, Benefits, & Taxes | Special O&M | VEBA Cash Out | \$ 5,000 | 16000 | | 11000 | 220.00% | |
| Wage, Benefits, & Taxes | Special O&M | Wages | \$ 1,428,280 | 1743700 | | 315420 | 22.08% | 1. additional Fish and wild life technician; journeyman operator; project engineer; subtracted part time records worker |
| Wage, Benefits, & Taxes | Special O&M | Wages - F&W Tech | \$ - | | | | | |

| Cowitz Falls Support Labor Report | | | | | | 2023 CFP Support *Excluding Commissioners | | | | | |
|-----------------------------------|--------|-------------------|-------------------|-------------------|--|---|--------|-------------------|-------------------|---------------------|--------------------------------|
| Year | % | Wages | O/H | Wage & O/H | | Year | % | Wages | O/H | Wage & O/H | |
| ACFT | | | | | | ACFT | | | | | |
| 2022 | 15.0% | 25,037 | 17,488 | 42,525 | | 2023 | 15.0% | 25,492 | 17,946 | 43,438 | |
| 2023 | 12.5% | 18,594 | 13,889 | 32,483 | | 2023 | 12.5% | 18,812 | 13,140 | 31,953 | Position change |
| 2022 | 10.0% | 9,813 | 6,715 | 16,528 | | 2023 | 10.0% | 9,724 | 6,792 | 16,516 | |
| 2022 | 10.0% | 9,324 | 6,514 | 15,838 | | 2023 | 10.0% | 9,536 | 6,792 | 16,328 | Procurement super |
| 2022 | 10.0% | 11,172 | 7,804 | 18,976 | | 2023 | 10.0% | 11,241 | 7,804 | 19,045 | |
| 2022 | 100.0% | 70,567 | 49,291 | 119,858 | | 2023 | 100.0% | 71,602 | 50,014 | 121,617 | Purchaser buyer |
| 2022 | 15.0% | 8,048 | 5,179 | 13,227 | | 2023 | 15.0% | 8,181 | 5,399 | 13,580 | Purchaser Buyer |
| 2022 | 5.0% | 3,438 | 2,401 | 5,839 | | 2023 | 5.0% | 3,530 | 2,499 | 6,029 | |
| 2022 | 100.0% | - | - | - | | | | | | | |
| 2022 | 15.0% | 16,273 | 11,367 | 27,640 | | | | | | | |
| ADMIN | | | | | | ADMIN | | | | | |
| 2022 | 5.0% | 4,461 | 3,117 | 7,578 | | 2023 | 5.0% | 4,526 | 3,162 | 7,688 | |
| 2022 | 25.0% | 62,825 | 43,226 | 106,051 | | 2023 | 25.0% | 62,782 | 43,860 | 106,643 | Admin |
| 2022 | 12.5% | 15,683 | 10,956 | 26,640 | | | | | | | |
| ENG | | | | | | ENG | | | | | |
| 2022 | 2.0% | 3,401 | 2,377 | 5,778 | | 2023 | 2.0% | 3,483 | 2,434 | 5,917 | |
| 2022 | 15.0% | 26,413 | 18,453 | 44,871 | | 2023 | 2.0% | 2,283 | 1,594 | 3,877 | |
| 2022 | 1.0% | 827 | 578 | 1,405 | | 2023 | 1.0% | 863 | 603 | 1,466 | ENG |
| 2022 | 2.0% | 2,055 | 1,433 | 3,488 | | 2023 | 2.0% | 2,077 | 1,570 | 3,647 | |
| 2022 | 2.0% | 2,323 | 1,706 | 4,029 | | 2023 | 2.0% | 2,324 | 1,623 | 3,948 | re-structure/reduction in cost |
| 2022 | 2.0% | 3,963 | 2,772 | 6,735 | | | | | | | |
| HR | | | | | | HR | | | | | |
| 2022 | 15.0% | 11,759 | 8,214 | 19,973 | | 2023 | 15.0% | 12,284 | 8,551 | 20,835 | |
| 2022 | 15.0% | 22,706 | 15,942 | 38,648 | | 2023 | 15.0% | 22,241 | 15,596 | 37,837 | |
| 2022 | 15.0% | 14,009 | 9,762 | 23,771 | | 2023 | 15.0% | 9,316 | 6,522 | 15,838 | |
| IS | | | | | | IS | | | | | |
| 2022 | 100.0% | - | - | - | | 2023 | 100.0% | 62,150 | 43,412 | 105,562 | |
| 2022 | 15.0% | 21,827 | 15,246 | 37,074 | | 2023 | 15.0% | 22,341 | 15,619 | 37,960 | |
| 2022 | 50.0% | 32,817 | 22,922 | 55,739 | | 2023 | 15.0% | 33,290 | 23,259 | 56,549 | |
| 2022 | 15.0% | 16,273 | 11,367 | 27,640 | | 2023 | 15.0% | 12,450 | 8,696 | 21,147 | |
| 2022 | 40.0% | 34,965 | 24,623 | 59,588 | | 2023 | 15.0% | 16,115 | 11,305 | 27,420 | CF network admin |
| 2022 | 15.0% | 16,608 | 11,601 | 28,209 | | 2023 | 15.0% | 35,639 | 24,894 | 60,533 | Network admin II |
| 2022 | 15.0% | 11,804 | 8,245 | 20,049 | | 2023 | 15.0% | 16,964 | 11,807 | 28,771 | |
| OPS | | | | | | OPS | | | | | |
| 2022 | 3.5% | 10,137 | 7,081 | 17,218 | | 2023 | 3.5% | 10,277 | 7,178 | 17,455 | |
| 2022 | 3.0% | 6,041 | 4,222 | 10,263 | | 2023 | 3.0% | 6,226 | 4,349 | 10,575 | |
| 2022 | 3.0% | 3,400 | 2,376 | 5,776 | | 2023 | 3.0% | 3,562 | 2,446 | 6,008 | |
| 2022 | 2.0% | 1,368 | 956 | 2,324 | | 2023 | 2.0% | 1,381 | 968 | 2,349 | |
| 2022 | 2.0% | 3,247 | 2,268 | 5,515 | | 2023 | 2.0% | 3,323 | 2,321 | 5,645 | |
| 2022 | 2.0% | 2,444 | 1,707 | 4,151 | | 2023 | 2.0% | 2,494 | 1,740 | 4,234 | |
| 2022 | 2.0% | 2,045 | 1,428 | 3,473 | | 2023 | 2.0% | 2,523 | 1,782 | 4,305 | |
| 2022 | 20.0% | 24,343 | 17,004 | 41,347 | | 2023 | 2.0% | 2,199 | 1,536 | 3,735 | |
| PPES | | | | | | PPES | | | | | |
| 2022 | 15.0% | 23,620 | 16,499 | 40,119 | | 2023 | 12.5% | 15,433 | 10,780 | 26,213 | |
| 2022 | 2.8% | 2,967 | 2,073 | 5,040 | | 2023 | 12.5% | 22,505 | 15,720 | 38,225 | |
| 2023 | 2.8% | 2,967 | 2,073 | 5,040 | | 2023 | 2.5% | 2,994 | 2,091 | 5,085 | |
| Total | | \$ 553,477 | \$ 386,602 | \$ 940,079 | | Total | | \$ 735,794 | \$ 513,952 | \$ 1,249,746 | Business Serv Mgr |
| | | | | | | | | | | | |
| | | | | | | | | | | | Total |

| | FY22 allocation | FY23 allocation | Dollar amount |
|--|-----------------|-----------------|---------------|
| | 0.15 | 0.5 | 94328 |
| | 0.1 | 0.3 | 38921 |
| | 0 | 0.7 | 92498 |
| | | | |
| | 0 | 0.05 | 5498 |
| | | | |
| | 63177 | 58576 | -4601 |
| | | | |
| | 0 | 0.9 | 105562 |
| | 0 | 0.15 | 21147 |
| | | | |
| | | | |
| | 0 | 0.125 | 26213 |
| | | | |
| | | | 379566 |

The image shows a rectangular table with a black border. The top row is highlighted in a light blue color and is currently empty. Below this header row, there are approximately 25 more rows, all of which are also empty. The table is oriented vertically on the page.

| Cowlitz Falls Direct Labor Report | | | | | | |
|--------------------------------------|-----------|---------------|---------------------|-------------------|-------------------|---------------------|
| 2022 | Positions | Hours | Wages | Benefits | Taxes | Total Cost |
| CF | | | | | | |
| CF Admin. Assistant | 1 | 2080 | \$ 70,674 | \$ 44,697 | \$ 5,407 | \$ 120,777 |
| Generation Manager | 1 | 2080 | \$ 155,256 | \$ 45,539 | \$ 11,877 | \$ 212,673 |
| Generation Superintendent | 2 | 4160 | \$ 268,828 | \$ 104,301 | \$ 20,565 | \$ 393,693 |
| Journeyman Operator-Maintenance | 3 | 6240 | \$ 334,333 | \$ 154,056 | \$ 25,576 | \$ 513,966 |
| Part Time Records | 1 | 800 | \$ 40,900 | \$ 170 | \$ 3,129 | \$ 44,198 |
| Recreation & Wildlife Supervisor | 1 | 2080 | \$ 102,576 | \$ 39,379 | \$ 7,847 | \$ 149,802 |
| Resource Worker | 1 | 2080 | \$ 86,965 | \$ 39,441 | \$ 6,653 | \$ 133,059 |
| Resource Worker - Lead | 1 | 2080 | \$ 95,515 | \$ 40,441 | \$ 7,307 | \$ 143,263 |
| Sr. Journeyman Operator-Maintenance | 1 | 2080 | \$ 125,375 | \$ 52,981 | \$ 9,591 | \$ 187,947 |
| Summer Seasonal | 4 | 2400 | \$ 52,123 | \$ 2,561 | \$ 3,987 | \$ 58,671 |
| Project Engineer | 1 | 2080 | \$ 95,706 | \$ 40,464 | \$ 7,322 | \$ 143,491 |
| Fish & Wildlife Technician | Deferred | | | | | |
| Grand Total | | 28,160 | \$ 1,428,249 | \$ 564,030 | \$ 109,261 | \$ 2,101,541 |
| | | | | | | |
| Cowlitz Falls Direct Labor Report | | | | | | |
| FY 2023 | Positions | Hours | Wages | Benefits | Taxes | Total Cost |
| CF | | | | | | |
| Generation Manager | 1 | 2,080 | \$ 157,620 | \$ 46,863 | \$ 12,058 | \$ 216,541 |
| Generation Superintendent | 2 | 4,160 | \$ 273,980 | \$ 107,472 | \$ 20,959 | \$ 402,411 |
| Recreation & Wildlife Supervisor | 1 | 2,080 | \$ 106,217 | \$ 40,767 | \$ 8,126 | \$ 155,109 |
| Resource Worker | 1 | 2,080 | \$ 89,581 | \$ 50,215 | \$ 6,853 | \$ 146,649 |
| Resource Worker - Lead | 1 | 2,080 | \$ 98,386 | \$ 41,940 | \$ 7,527 | \$ 147,852 |
| Summer Seasonal | 4 | 2,400 | \$ 53,694 | \$ 2,820 | \$ 4,108 | \$ 60,621 |
| Project Engineer | 2 | 4,160 | \$ 219,792 | \$ 95,929 | \$ 16,814 | \$ 332,536 |
| Fish & Wildlife Technician | 1 | 2,080 | \$ 84,464 | \$ 40,289 | \$ 6,462 | \$ 131,214 |
| CF Admin Assistant | 1 | 2,080 | \$ 71,710 | \$ 45,995 | \$ 5,486 | \$ 123,191 |
| Journeyman Operator - Maintenance | 4 | 8,320 | \$ 459,134 | \$ 212,816 | \$ 35,124 | \$ 707,074 |
| Sr Journeyman Operator - Maintenance | 1 | 2,080 | \$ 129,139 | \$ 54,907 | \$ 9,879 | \$ 193,925 |
| Grand Total | | 33,600 | \$ 1,743,717 | \$ 740,013 | \$ 133,394 | \$ 2,617,124 |

Fish and Wildlife tech - added in FY23.

| Status | FY23 Budget Items | | BPA Question |
|--------|---|---------------|---|
| | Grand Total | \$ 22,731,970 | |
| | O&M | \$ 2,515,110 | |
| | Fish & Wildlife | \$ 238,740 | |
| 1 | American Fisheries Society (AFS) Membership | \$ 110 | |
| 3 | CISPUS ADULT FISH SITE RELEASE ANALYSIS | \$ 75,000 | Since the adult fish program is managed by Tacoma, please explain Tacoma's role along with Lewis. For example, are you all cost sharing this effort? Please provide any agreements or MOU with Tacoma pertaining to this issue. |
| | Creel Study | | |
| | ESA BiOp Studies | | |
| 1 | Fish & Wildlife Contract Services (RTL Consulting) | \$ 10,000 | |
| | Fish Gate Position Indicators | | |
| 3 | Fishing Pond Sediment Removal | \$ 30,000 | Expenditures would be helpful to answer this question. How much was done last year and what is remaining to be completed in FY23? |
| 1 | Habitat & Fish Recovery Services (WDFW) | \$ 10,000 | |
| 1 | Habitat Management; Fertilizer, Spraying, Plants | \$ 9,000 | |
| 2 | Kid's Trout Derby | \$ 5,600 | |
| 1 | Mitigation Trout Program | \$ 47,000 | |
| 4 | Noxious Weed Control Contractor | \$ 9,300 | |
| | TPU Rearing Facilities Studies | | |
| 1 | USGS Gauging Station Fees | \$ 42,640 | |
| 2 | Wildlife Society Membership | \$ 90 | |
| | Maintenance | \$ 1,333,900 | |
| | ARC FLASH STUDY | | |
| | Automatic Transfer Switch Grouting | | |
| | AVR Testing | | |
| 3 | Brige Sections Inspection & Analysis | \$ 106,000 | Please provide reasoning for the bridge inspection for FY23. Is it on a cyclic schedule that is best engineering practice or requirement? |
| 1 | Buffer Zone Management | \$ 3,200 | |
| 1 | CAD Software Licensing | \$ 6,000 | Are these costs shared with Lewis |
| 1 | Computer Software | \$ 2,000 | Are these costs shared with Lewis |
| 1 | Construction Management Software | \$ 7,600 | Are these costs shared with Lewis |
| 1 | Contract Crane Inspections | \$ 14,000 | |
| 1 | Contract Diesel Generator Maintenance | \$ 12,000 | |
| 2 | Contract Drafting Services | \$ 50,000 | |
| 1 | Contract Maintenance Elevator | \$ 18,500 | |
| | Control Room / Office Area Repairs - Construction | | |
| | Control Room / Office Area Repairs - Design | | |
| | Control Room Paperless Recorders | | |
| 3 | Dam Instrumentation | \$ 3,000 | Is this repair of instrumentation? |
| | Debris Barrier - Maintenance | \$ - | |
| 1 | Debris Removal - Trash Rake Debris Box | \$ 6,200 | Is this repair of the debris box? |
| | Diesel Generator Connection to Spillway Gates 2 & 3 | | |
| | Diesel Generator Load Bank | | |
| 1 | Diving Services | \$ 16,500 | Do you have annual diving needs or is this a retainer? |
| | Drainage Pump | | |
| | Drainage Pump Handrail | | |
| 3 | Drainage Sump Level Indication | \$ 3,500 | Is this repair or addition of a new sensor? |
| 3 | Drainage Sump Study | \$ 48,000 | Why does this need to happen now? |
| 3 | Drainage System | \$ 3,000 | |

| Status | FY23 Budget Items | | BPA Question |
|--------|---|------------|---|
| 3 | Electrical Parts | \$ 14,400 | Are these spare parts? |
| 3 | Equipment Rental | \$ 17,000 | |
| 1 | Equipment Watch Annual Fee | \$ 2,500 | |
| | FERC Part 12 Recommendations | | |
| | Forebay and Tailrace Level Sensor Replacement | | |
| 1 | Fuel - Diesel Generator | \$ 1,500 | |
| 1 | Gantry Crane Jib Hoist Load Cell | \$ 15,000 | |
| 2 | Generator Bus Boots | \$ 8,000 | |
| 1 | Generator Oil Mist Piping | \$ 3,000 | |
| | Generator Parameter Validation Testing | | |
| 1 | Governor | \$ 4,000 | What is this for? |
| | Governor and Turbine Oil Replacement | | |
| 1 | Governor Jockey Pump | \$ 4,000 | Is this a replacement? |
| 3 | Governor Oil Sump Level Indication | \$ 5,000 | Is this a replacement? |
| | GSU Transformer #1 Metering CT Replacement | | |
| | GSU Transformer Maintenance | | |
| | GSU Transformer Oil Processing & Testing | | |
| | GSU Transformer Testing | | |
| 2 | HVAC | \$ 3,500 | |
| | Inspect Upstream Coating Spillway Gate 4 | | |
| 3 | Instrumentation Parts | \$ 10,000 | Why the increase? |
| | Investigate Draft Tube Liner Issues | | |
| 1 | MAINTENANCE - LOG BRONC | \$ 1,000 | |
| 3 | Maintenance - Unanticipated Dam Repairs | \$ 10,000 | Why wasn't this included in '22? Should have? |
| 3 | Maintenance Management System | \$ 15,000 | Are these costs the support contract for the software? What is difference between construction software? |
| 1 | Maintenance Supplies for Electric Plant | \$ 5,400 | |
| 1 | Mechanical & Piping | \$ 10,000 | |
| 1 | Mechanical Parts | \$ 14,000 | |
| 1 | Metal | \$ 13,000 | |
| 1 | Mobile Crane Maintenance | \$ 1,500 | |
| 3 | North Rock Wall Scaling | \$ 150,000 | Prior rock scaling was estimated to be good for 6-7 years. Please provide reasoning this cost expenditure is required in FY23 |
| 3 | Oil Bearing Level Sensors - Unit 1 | \$ 24,000 | Is this sensor new or replacing a broken one? |
| | Oil Bearing Level Sensors - Unit 2 | | |
| 3 | Oil Storage Tank Level Sensors | \$ 6,000 | |
| 1 | Painting & Special Coatings | \$ 3,200 | |
| 2 | Piezometer Pressure Transmitters | \$ 18,000 | |
| 1 | Plant Lighting | \$ 1,000 | |
| 1 | Plant Water Wells & Testing | \$ 1,200 | |
| 1 | Protection & Control Support | \$ 8,000 | Need more detail as for this line item. |
| | Protective Relay Testing | | |
| | Recoat Top Deck Above Control Room | | |
| | Repair Elevator Shaft Exterior | | |
| | Repair Stairwell Interior | | |
| | Rotor Braided Jumpers | | |
| 1 | Safety Equipment - Non PPE | \$ 5,000 | |
| | Sandblast and Coat Draft Tube Platform Brackets | | |

| Status | FY23 Budget Items | BPA Question |
|--------|---|--|
| 1 | SCADA Network Support | \$ 10,700 |
| 3 | SCADA Support | \$ 200,000 What is the driver for the \$80k increase from FY22 |
| | Seismic Study | |
| | Septic System Maintenance - Dam | |
| 1 | Service Air Compressor | \$ 1,000 |
| | Service Water System Design | |
| 1 | Service Water System Rehabilitation | \$ 45,000 Why? Are there tests showing a emergent need? |
| 1 | Sluice Gate Bulkhead Seals - Replacement | \$ 2,500 |
| | SMAG Power Connection & Cable | |
| 1 | Smoke Detectors & Fire Water Systems | \$ 3,000 |
| | Spillway Gate 4 Bottom Seal Repair | |
| 3 | Spillway Gate Finite Element Analysis | \$ 90,000 Why this year? |
| 1 | Spillway Gates | \$ 5,000 |
| | Steel Structures & Equipment Coating | |
| | Structure Maintenance; Concrete, Fencing | \$ - |
| 2 | Temporary Offices | \$ 230,000 What are these offices for? Why the large charge in FY23 and assuming that they will be leased? |
| 1 | Tools & Equipment - Operations | \$ 22,000 Why the large increase? |
| 1 | Transformer Oil Processing & Testing | \$ 1,000 |
| | Trunnion Friction Testing | |
| 1 | Turbidity Sensor Communication | \$ 1,000 |
| 3 | turbine Oil Level Indication | \$ 15,000 Why the need now? |
| 1 | Turbine Shaft Seals | \$ 30,000 Are these leaking and is one year unit 1 and this year unit 2? |
| | Unit: 1 Major Inspection & Cleaning | |
| | Unit: 1 Turbine Hub & Discharge Ring Recoating | |
| | Unit: 2 Major Inspection & Cleaning | |
| | Unit: 2 Turbine Hub & Discharge Ring Recoating | |
| | Unit: Control Board Meter Replacement | |
| | Unit: Turbine Gage Board Inputs into SCADA - Design | |
| 2 | Upper Guide Bearing Oil Sample Ports | \$ 4,000 |
| | Warehouse Repairs | |
| | Operations | \$ 262,600 |
| | 1D Sediment Transport Study | |
| 2 | Advertising - Dam | \$ 1,200 |
| 1 | CFP Cell Phones | \$ 8,400 Why the increase? |
| 1 | CFP Telephones | \$ 10,800 Why the increase? |
| 1 | CFP Vehicle Verizon Connect | \$ 2,300 Why the increase? |
| 1 | COMMUNICATIONS - RADIOS, ETC | \$ 8,100 |
| 1 | Communications Fiber - User Fee | \$ 48,500 |
| 1 | Computer & Supplies | \$ 6,000 Why the increase? |
| 1 | Dam Safety Consultant | \$ 64,000 |
| 1 | Electric Utilities - Secondary Power Feed | \$ 11,800 |
| 1 | Fall Protection Equipment | \$ 6,000 |
| 1 | FERC Dam Movement Survey | \$ 8,800 |
| 1 | FR Clothing - CFP | \$ 9,500 |
| 1 | GARBAGE SERVICE - OPERATIONS | \$ 2,400 |
| 1 | Operator Remote SCADA Communications | \$ 9,000 |
| 1 | Operator Supplies - Dam | \$ 1,500 |
| | Portable Restrooms - Dam | |
| 1 | Respirator Fit Testing | \$ 1,500 |

| Status | FY23 Budget Items | | BPA Question |
|--------|---|-------------------|---|
| 1 | Rope Access Gear | \$ 4,500 | |
| 1 | Security/Plant Locks | \$ 300 | |
| 3 | Sedimentation Report | \$ 50,000 | What is this for? |
| | Sedimentation Report Annual Updates | \$ - | |
| 1 | Sedimentation Survey | \$ 5,800 | |
| | Shelving & Furniture | | |
| 2 | Subscriptions, Prints, Copies and Maps | \$ 2,200 | |
| | Recreation | \$ 306,760 | |
| 1 | Advertising | \$ 3,600 | |
| 1 | Boat Launch Sediment Removal | \$ 5,000 | |
| 1 | Building Maintenance | \$ 3,200 | |
| | Campground Fire Pits Graveling | | |
| 3 | Shelving & Furniture | \$ 125,000 | What is the actual need, seems high. Is this for all of the temporary offices? |
| 1 | Campground Internet | \$ 3,200 | |
| 1 | Campground Reservation Software | \$ 5,200 | |
| 4 | Campground Restroom Improvements | | Was this work completed in '22? |
| 1 | Campground Telephone | \$ 1,500 | |
| 1 | Campground Wood Chips | \$ 500 | |
| 1 | Contract Septic and Water Services | \$ 27,000 | |
| | Contract Services (Backhoe, Gravel) | \$ - | |
| 1 | Contract Services (Dock Installation and Removal) | \$ 2,700 | |
| 4 | D-Loop Electrical Design & Feed Replacements | | Was this work completed in '22? |
| 1 | Electric Utilities | \$ 11,500 | Why the increase? |
| 1 | EQUIPMENT REPAIRS - PARK | \$ 3,500 | |
| 1 | GARBAGE SERVICE - RECREATION | \$ 6,600 | |
| 1 | Group B Annual Operating Fee - Falls Road Well | \$ 60 | |
| 1 | MAINTENANCE - GROUND | \$ 3,400 | |
| 1 | MAINTENANCE - SEWER & WATER SYSTEM | \$ 6,400 | |
| 4 | Noxious Weed Control | \$ 6,000 | What is this for with the new plan to train existing employees? Is this for material? |
| 1 | Operation Supplies | \$ 2,200 | |
| 1 | Port Blakely Road Access Agreement | \$ 30,000 | |
| 1 | Port Blakely Road Maintenance | \$ 13,500 | |
| 2 | Portable Restrooms | \$ 13,000 | |
| 1 | Potable Water and Septic System Testing | \$ 2,200 | |
| 4 | Recreation Assessment | | |
| 1 | Recreation Tree Removal | \$ 10,000 | |
| 1 | Repairs & Supplies | \$ 10,000 | |
| 1 | Septic System Maintenance - Recreation | \$ 6,000 | |
| 1 | Sign Replacements | \$ 2,500 | |
| 1 | Tools & Equipment - Recreation | \$ 3,000 | |
| | Taxes | \$ 65,100 | |
| 1 | County Taxes | \$ 700 | |
| 1 | Ecology Water Tax | \$ 7,500 | |
| 1 | Privilege Tax | \$ 56,900 | |
| | Training & Travel | \$ 109,110 | |
| 2 | American Fisheries Society Meeting | \$ 1,500 | |
| 2 | American Governor Analcg Gov Training | \$ 8,500 | |
| 2 | American Governor School | \$ 8,000 | |
| 2 | ASDSO Conference | \$ 2,500 | |
| 2 | AVO Circuit Breaker Maintenance | | |
| 2 | AVO Electrical Series | \$ 4,350 | |
| 2 | AVO Substation Maintenance I | \$ 5,000 | |
| 2 | AVO Thermograzhy I | \$ 5,000 | |

| Status | FY23 Budget Items | BPA Question |
|--------|---|-----------------------------------|
| | AVO Thermography II | |
| 2 | CEATI - ANNUAL MEETING | \$ 10,500 Why has this increased? |
| 2 | CEATI - ASSET Management Meeting | \$ 1,800 |
| 2 | CEATI - DSIG MEETING | \$ 4,400 |
| 2 | CEATI - HPEIG MEETING | \$ 4,400 |
| | CEATI - HPLIG MEETING | |
| | EPTC Fundamentals of Electricity | |
| | EPTC Generation Series | |
| 2 | EPTC Power Plant Operation | \$ 7,000 |
| 2 | EPTC Relay Protection | \$ 3,500 |
| 2 | EPTC Switching & Grounding | \$ 7,000 |
| 2 | EPTC System Operations Personal Grounding | \$ 1,260 |
| 2 | EPTC Transmission Series | \$ 3,600 |
| 2 | HSI Online Training | \$ 800 |
| 2 | HydroVision | \$ 3,000 |
| 2 | NW Hydro Forum | \$ 1,600 |
| 2 | NWHA - ANNUAL MEETING | \$ 800 |
| 2 | NWHA - WORKSHOP | \$ 2,000 |
| 2 | NWPPA - LEADERSHIP TRAINING | \$ 3,400 |
| | OPERATOR TRAINING DEVELOPMENT 2022 | |
| 2 | TPC - ELECTRICAL WORKS-HOP | \$ 6,000 |
| 2 | TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING | \$ 2,400 |
| 2 | TRAINING - CRANE | \$ 4,000 |
| | TRAINING - MANLIFF/FORKLIFT | |
| 2 | TRAINING - PESTICIDE APPLICATION | \$ 1,600 |
| 2 | TRAINING - WATER & WASTEWATER | \$ 1,200 |
| 2 | Wildlife Classes | \$ 4,000 |
| | Transmission | \$ 62,000 |
| 1 | ROW Maintenance | \$ 60,000 |
| 1 | Transmission Line Corridor Planting | \$ 2,000 |
| | Wage, Benefits, & Taxes | \$ 137,900 |
| 1 | OT Taxes | \$ 4,500 |
| 1 | Social Security Medicare | \$ 133,400 |
| 1 | Social Security Medicare - F&W Tech | \$ - |
| | Special O&M | \$ 5,121,950 |
| | General | \$ 1,117,760 |
| 1 | A&G Exhibit F | \$ 382,800 |
| 2 | ASDSO - Government Membership | \$ 60 |
| 1 | Auditing - Accountability | \$ 2,350 |
| 1 | Auditing - Financial | \$ 19,450 |
| | Budget Facilitator | |
| 2 | CEATI - MEMBERSHIP | \$ 65,300 |
| 2 | CEATI - PROJECTS | \$ 15,000 |
| 1 | Compliance Consultant | \$ 65,000 |
| 3 | Document Management Software | \$ 30,000 |
| 3 | Document Scanning | \$ 5,000 |
| 1 | FERC Annual Fee | \$ 103,000 |
| 1 | Fire District Payment | \$ 20,000 |
| 3 | Infrastructure Grant Proposal (HDR) | \$ 50,000 |
| 1 | INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS | \$ 7,500 |
| 1 | INSURANCE - EXCESS LIABILITY | \$ 26,000 |
| 1 | INSURANCE - LIABILITY | \$ 11,000 |
| 1 | INSURANCE - PROPERTY | \$ 210,000 |

| Status | FY23 Budget Items | | BPA Question |
|--------|--|---------------------|--|
| 1 | LEGAL SERVICES - BIOP & PERC ISSUES | \$ 25,000 | |
| 1 | LEGAL SERVICES - GENERAL ISSUES | \$ 20,000 | |
| 3 | Long Range Plan Analysis | \$ 35,000 | Please provide current LRP for BPA review and justification for necessity of peripatary costs. |
| 2 | NWHA Membership | \$ 1,000 | |
| 1 | OFFICE SUPPLIES AND EXPENSES | \$ 9,300 | |
| 2 | Records Clean Up | \$ 15,000 | |
| | Operations | \$ 57,300 | |
| 1 | CF Vehicle and Equipment Fuel | \$ 31,200 | Why has cost doubled from FY22? |
| 1 | CF Vehicle Maintenance | \$ 15,000 | |
| 1 | CONSUMABLE SUPPLIES - FIRSTAID | \$ 3,200 | |
| 1 | CONSUMABLE SUPPLIES - JANITORIAL | \$ 1,300 | |
| 1 | CONSUMABLE SUPPLIES - SAFETY & PPE | \$ 6,600 | |
| | Training and Travel | \$ 26,800 | |
| 1 | ARC FLASH TRAINING | \$ 3,000 | |
| 2 | NWPPA - ADMIN ASST TRAINING | \$ 2,400 | |
| 2 | TRAINING - COMPUTER | \$ 800 | |
| 1 | Training - Confined Space | \$ 8,000 | |
| | TRAINING - FALL PROTECTION | | |
| 1 | TRAINING - ROPE ACCESS | \$ 8,000 | |
| 2 | WPJDA - ADMIN ROUNDTABLE | \$ 600 | |
| 2 | WPJDA/APPA/NWPPA - ACCOUNTANT TRAINING | \$ 4,000 | |
| | Wage, Benefits, & Taxes | \$ 3,920,100 | |
| 1 | Employee Medical Insurance | \$ 510,800 | |
| | Employee Medical Insurance - F&W Tech | \$ - | |
| 1 | Employer PERS | \$ 175,600 | |
| | Employer PERS F&W Tech | \$ - | |
| 1 | ES Support Overhead | \$ 527,200 | |
| | ES Support Overhead - IS/IT | \$ - | |
| | ES Support Overhead - Purchasing | \$ - | |
| 1 | ES Support Wages | \$ 754,700 | |
| | ES Support Wages - IS/IT | \$ - | |
| | ES Support Wages - Purchasing | \$ - | |
| 1 | Flu Shot Clinics | \$ 400 | |
| 1 | L&I Employer | \$ 27,500 | |
| | L&I Employer F&W Tech | \$ - | |
| 1 | Long Term Disability | \$ 4,600 | |
| 1 | Long Term Disability - F&W Tech | \$ - | |
| 1 | Misc Pension & Benefits, CDI, Medical Exam, etc | \$ 5,000 | |
| | Misc Pension & Benefits, CDI, Medical Exam, etc - F&W Tech | \$ - | |
| 1 | OT Benefits | \$ 7,400 | |
| 1 | OT Wages | \$ 59,100 | |
| 1 | Paid Family Leave Benefit | \$ 3,400 | |
| | Paid Family Leave Benefit - F&W Tech | \$ - | |
| 1 | PCORI ACA Requirement | \$ 100 | |
| 1 | PL Cash Out | \$ 5,000 | |
| 1 | PL to VEBA Cash Out | \$ 16,000 | |
| 1 | Retiree/COBRA Med Ins - Premiums & Claims | \$ 20,000 | |
| 1 | Short Term Disability | \$ 2,000 | |
| | Short Term Disability - F&W Tech | \$ - | |
| 1 | Standby Pay | \$ 39,500 | |
| 1 | Term Insurance Benefit | \$ 1,200 | |
| | Term Insurance Benefit - F&W Tech | \$ - | |
| 1 | VEBA Benefit | \$ 16,900 | |
| | VEBA Benefit - F&W Tech | \$ - | |

| Status | FY23 Budget Items | | BPA Question |
|--------|--|----------------------|---|
| 1 | Wages | \$ 1,743,700 | |
| | Wages - F&W Tech | \$ - | |
| | OR&R | \$ 15,093,900 | |
| | Fish & Wildlife | \$ 955,000 | |
| | (CHAP) Comprehensive Habitat Action Plan - Wildlife Evaluation | | |
| | Alternative Fishing Derby Site Development - Construction | | |
| | Alternative Fishing Derby Site Development - Design | | |
| 3 | Kiona Creek Enhancement | \$ 120,000 | Need additional information for this project and associated costs and justification in a justification sheet. |
| | Man-Made Island Canal - Construction | | |
| 3 | Man-Made Island Canal - Design | \$ 50,000 | |
| | Wildlife Meadows Unit #5 | | |
| 4 | Wildlife Mitigation Land | \$ 785,000 | Under legal review. BPA cannot support finding at this time. |
| | Fleet | \$ 90,000 | |
| | Mower | | |
| 1 | RT Fork Lift | \$ 85,000 | Why does this need to be purchased now? |
| | Side By Side | | |
| 4 | Truck Box Crane | \$ 5,000 | Why does this need to be purchased now? |
| | Vehicle | | |
| | Vehicle for Replacement | | |
| | Vehicle for Resource Worker | | |
| | Maintenance | \$ 13,723,900 | |
| 3 | 5-Ton Bridge Crane | \$ 865,000 | Updated JS required. What is the scope. |
| 3 | Battery Bank Replacement | \$ 80,000 | What is current condition, when was it last replaced? |
| 3 | Battery Chargers | \$ 60,000 | What is current condition, when was it last replaced? |
| | Boat Barrier Replacement - Alternative Analysis | | |
| 1 | Boat Barrier Replacement - Design | \$ 80,000 | |
| 1 | Boat Barrier Replacement - Installation | \$ 1,800,000 | Updated JS required. |
| 3 | Debris Barrier Coating & Cathodic Protection - Construction | \$ 3,680,800 | How important is this? How does it rank against the boat barrier and spillway rail 4 extension? |
| | Debris Barrier Coating & Cathodic Protection - Design | | |
| | Downstream Boat Ramp | | |
| 1 | Downstream Notification Siren - Design | \$ 10,000 | |
| | Downstream Notification Siren - Installation | \$ - | |
| 3 | Drainage Gallery Air Supply - Alternative Analysis | \$ 60,000 | Isn't this expense? |
| | Drainage Gallery Air Supply - Design | | |
| | Drainage Gallery Air Supply - Installation | | |
| | Drainage Sump Oil Skimmer - Design | | |
| | Drainage Sump Oil Skimmer - Installation | | |
| 3 | Elevator Controls - Design | \$ 60,000 | |
| | Elevator Controls - Installation | | |
| | Elevator Roof Access - Design | | |
| 1 | Elevator Roof Access - Installation | \$ 25,000 | |
| | Exciter Brush Dust Vacuum System | | |
| | Exciter Replacement - Design | | |
| | Exciter Replacement - Phase I | | |
| | Exciter Replacement - Phase II | | |
| | Fire Detection System Upgrade | | |
| | Gantry Crane Controls and Drive Upgrade - Design | | |
| | Gantry Crane Controls and Drive Upgrade - Upgrades | | |
| | Generator Cooling Water Refurbishment | | |
| 1 | Generator Hatch Cover Seals & Drains | \$ 215,000 | |
| 3 | Generator Protective Relay Replacement - Design | \$ 100,000 | How old is the equipment. |
| | Generator Protective Relay Replacement - Installation | | |

| Status | FY23 Budget Items | | BPA Question |
|--------|--|--------------|---|
| 1 | HVAC AH-1 Replacement Office Area | \$ 50,000 | |
| | Intake Gate Slot Cover - Alternative Analysis | | |
| | Lathe | | |
| | Mobile Diesel Generator & Log Bronc Cover | | |
| | New Facility - Construction | | |
| | New Facility - Design | | |
| 3 | New Facility - Site Preparation | \$ 1,068,100 | Pending permit, assume it's new/temp offices? |
| | Plant Auxiliary Equipment Inputs into SCADA - Design | | |
| | Plant Auxiliary Equipment Inputs into SCADA - Installation | | |
| | Revenue Meters | | |
| 1 | Roadway Gates | \$ 18,000 | |
| | Roadway Lighting | | |
| 2 | Service Water VFD & Controls Replacement | \$ 16,000 | |
| | Sluice Gate Replacement - CFD & Physical Model Design | | |
| | Sluice Gate Replacement - Construction 1 | | |
| | Sluice Gate Replacement - Construction 2 | | |
| | Sluice Gate Replacement - Construction 3 | | |
| | Sluice Gate Replacement - Design 1 | | |
| 3 | Sluice Gate Replacement - Design 2 | \$ 867,700 | Updated JS required |
| | Sonar & Turbidity Sensors | | |
| | South Downstream Abutment Wall Handrail | | |
| | South Well Pump | | |
| | Spillway 1 Apron Repairs | | |
| | Spillway 1 Apron Repairs - Alternative Analysis | | |
| | Spillway 1 Apron Repairs - Design | | |
| | Spillway 4 Gate Uplift Anchoring | | |
| 3 | Spillway 4 Rail Extension - Construction | \$ 3,768,300 | Is this an addition to capability? |
| | Spillway 4 Rail Extension - Design | | |
| 3 | Spillway Gate Control - Alternative Analysis | \$ 50,000 | Is this expense? |
| | Spillway Gate Control - Design | | |
| | Spillway Gate Control - Installation | | |
| | Spillway Gate Hoist Covers - Construction | | |
| | Spillway Gate Hoist Covers - Design | | |
| | Spillway Gate Structural Reinforcement | | |
| | Spillway Handrail & Guardrail | | |
| | Station Air Compressor Replacement | | |
| 2 | Station Service cabinet Inputs into SCADA - Design | \$ 4,000 | |
| | Station Service cabinet Inputs into SCADA - Installation | | |
| | Station Service Circuit Breaker Replacement - Alternative Analysis | | |
| | Station Service Circuit Breaker Replacement - Design | | |
| | Station Service Circuit Breaker Replacement - Installation | | |
| | Surge Arrestor Replacement | | |
| | Tailrace Repairs & Improvements - Alternative Analysis | | |
| | Tailrace Repairs & Improvements - Design | | |
| | Tailrace Repairs & Improvements - Installation | | |
| 3 | Transmission Line Access - Bridge Replacement | \$ 275,000 | Is this expense? |
| | Trash Rake - Alternative Analysis | | |
| | Trash Rake Construction | | |
| 3 | Trash Rake Design | \$ 191,000 | Does this need to be completed this year? |
| | Trash Removal System - Alternative Analysis | | |
| | Trash Removal System - Construction | | |
| 3 | Trash Removal System - Design | \$ 300,000 | Is this part of the trash rake design? |
| 3 | Unit: Instrumentation - Alternative Analysis | \$ 45,000 | The title sounds like a study or expense. |
| | Unit: Instrumentation - Design | | |

| Lewis Response | BPA Narrative |
|---|--|
| <p>In BIOP, needed to build an adult fish release site. Conjunction with US Forest Service, and Tacoma. Is having operational issues. Have a split cost with Tacoma, have responsibility to pay. Sometimes cost share is 50/50, this is rough and a placeholder. No formal request to make changes, but technical committee has noted some issues with the site.</p> | <p>Defer - inclusion until figure out Tacoma's cost share and details figured out. Need to review MOU's.</p> |
| <p>Use existing flood draw down, extend it for a few days to do sediment removal. This is contingency if drawdown doesn't happen. BIOP mitigation, plant 25k rainbow trout in day use fishing pond and reservoir. The criteria is the depth of the fishing pond in several areas affecting the effectiveness of reducing fish stranding during reservoir drawdowns and fishing for the general public, and the filling up of bottom of the fishing pond entrance/exit affecting the net. We observe the depth of the pond and additional sediment deposits.</p> | <p>Defer - too many variables and speculative. Dependent on flows/floods.</p> <p>Important, but not critical.</p> <p>Remove - Can't find contractor, will train staff to perform duties.</p> <p>Not critical.</p> |
| <p>Dam is series of bridges and sections. Never has been looked at, need to determine frequency of bridge inspections etc. No known issues, but want to check. Wasn't designed with concrete movement consideration. Have done local repair, but need deeper view.</p> | <p>Defer - Not needed and not urgent but is important.</p> |
| <p>These costs are based on Cowlitz Falls usage (the number of employees with a license). Each department will pay for the number of license they use.</p> <p>These cost are based on Cowlitz Falls usage</p> <p>These cost are based on Cowlitz Falls usage</p> <p>Yes, these are required annual inspections</p> | <p>Move to Exhibit ?</p> <p>Move to Exhibit ?</p> <p>Move to Exhibit ?</p> <p>Annual requirement.</p> <p>Critical to operations</p> <p>Important, but not critical.</p> <p>Critical to operations</p> |
| <p>This is for disposal of the debris that is deposited in the box from raking the trash with the trash rake.</p> | <p>Too many unknowns, contingency</p> <p>Ok - routine work.</p> |
| <p>This is for cleaning the draft tube gate-sill prior the annual unit maintenance, surveying the erosion of the spillway 1 apron and bull nose between spillway 3 and 4. WF occasionally, need divers for inspecting the unit trash racks during periods of debris build up.</p> | <p>Ok - recurring need to support maintenance.</p> |
| <p>This is for a new sensor. We currently do not have level indication in our drainage sump. We do have high level alarms.</p> <p>This is to get ahead of oil containment/skimming/processing issues.</p> <p>This is a general maintenance item for annual repairs and parts.</p> | <p>Defer - Not critical, no current requirement, nice to have.</p> <p>Defer - no specific urgency, but, need to get done over the next couple of years. Showing a plan is a good mitigation of future inquiries.</p> <p>Too many unknowns, contingency</p> |

| Lewis Response | BPA Narrative |
|---|--|
| This is generally for replacement parts, some small construction projects, and some spare parts | Too many unknowns, contingency - small electrical projects and parts. |
| This is an annual fee for access to pricing for rental and contractual fee. This is used in writing and enforcing contracts. | Too many unknowns, contingency - small electrical projects and parts. OK - software, should be rolled up into Exh F A&G |
| | |
| The 10-ton jib crane on the main gantry crane does not have a load cell. The jib crane with the 5-ton SMAG clam bucket have just a 5-ton lifting capacity. This bucket is used to lift logs out of the reservoir, some weighing substantially more than 5-tons. The load cell would add a safety component to the procedure. | Critical, safety - no load cell on one of the hoists. |
| The generator bus boots would cover bus connections not currently covered. | OK - good practice |
| This is piping that was never completely completed from original construction. This would complete the oil mist piping from the turbine pit area. | Critical, fire protection - need to make more permanent as it's temporary now. Material cost. And, a safety item providing fire protection. |
| This is annual maintenance costs for parts and material. | Critical, reliability of generating equipment - Annual parts, do one per year. Based on condition. Materials. |
| This is for a spare jockey pump for the governor system. | Critical, reliability - critical spare part. |
| This is to add level indication for the governor oil sump. | Defer - focus on governors later. |
| | |
| This is for maintenance parts and some contractual services. | Important for climate control - materials and contractual services when needed |
| This is mostly for replacement of various instrumentation in the plant. There is some new instrumentation in the plant. | Contingency |
| | Critical for debris removal. |
| With the new budgeting format of individual line items, there is no general line item to include unanticipated repairs. This is a line item to include these costs. | Contingency - breakdown repairs, too many unknowns. |
| Have not selected a system yet, have reviewed them and looking to adopt smaller scale system. Maintenance management software will include scheduling work tasks, prioritizing work tasks, and work history. Construction management software will assist project managers in managing individual projects. | Defer - too many unknowns at this point. Critical for reliability. Critical for reliability. Critical for reliability. Critical for reliability. |
| The maintenance is performed by Cowlitz Falls crews. This is for parts and material. | Critical for reliability. |
| Prices have increased, didn't complete the full scope, will be on a 5 year cycle. Need to split some costs with Tacoma as it's their responsibility. The consultant recommendation was to perform rock scaling every 3-5 years. | Defer - Urgency not apparent as it's a continuation of unfinished work. Uncertain as condition. |
| We do not have oil bearing level sensors. This is a new sensor. Leading to oil tracking in anticipation of scrutiny. Could increase requirements in new FERC license. | Defer - Wait to get ahead, not an urgent matter. Pick up oil accountability in future years as this is not an urgent need and may be a FERC requirement in next license. |
| We do not have oil tank level sensors. This is a new sensor. | Defer - no critical need. |
| This is to install piezometers with digital outputs into our SCADA system. This will give us more accurate and consistent piezometer readings. | Critical - asset preservation. Important - no clear need, seems more important. Critical - plant personnel safety. Critical - plant personnel safety. |
| District resource, as needed, based on actuals. They work on protective relays and metering. Should be included in labor. Late minute addition and should in the future be included with labor. This is additional work that was not performed before. This will greatly increase reliability and reduce unplanned outages. Will look at this more. | Critical for plant reliability and monitoring. |
| | |
| | |
| | Critical - Safety PPE |

| Lewis Response | BPA Narrative |
|--|--|
| We are evaluating how much the annual SCADA support will cost. We do not have a programmer on staff to make modifications to the SCADA system. We will continue to refine this number in the next few weeks. | Critical for remote monitoring and operations. |
| | Defer - Need to validate costs |
| | Critical support for maintenance. |
| The service water control system is obsolete. Spare parts and support are no longer available. We also have seasonal occurrence where the service water system is not adequate for the plant needs. We will evaluate and upgrade the system. | Okay? Maybe defer as it's not broken yet. May want to ask for more information as far as backup. |
| | Critical - major feature maintenance. |
| | Critical - plant safety and fire protection. |
| This is a FERC Part 12 dam safety requirement to be completed prior to 2024. | Defer - No urgent need. |
| This is for parts and material for the annual maintenance on our spillway gates. | |
| The office area for the Cowlitz Falls workforce that does not currently have viable office space inside the dam. The office trailers will be leased. We are waiting on obtaining a building permit from the county. The county has not issued a permit for domestic water usage. We will need to perform some tests prior to approval. The site preparation and office set up is scheduled for 2023. | Not critical but already in flight. |
| The cost increase is due to additional work that will be performed and tools that we do not currently have for normal maintenance work. | Critical for day to day operations. |
| This is for Verizon service to provide communication to our turbidity sensors. | Critical for transformer maintenance and generation reliability. |
| We do not have turbine oil level indication. This will assist us in determine if we have any oil leakage. | Defer - nice to have and no criticalness presented. |
| We have issues with wear on the turbine shaft seals. We do experience leaking. These may need replacing every 4-6 years. We like to have a set of shaft seals ready to install for each unit maintenance cycle. Set replaced recently and these costs are for a full set. | Critical - critical spare part. |
| | |
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| | |
| | Important - allows monitoring of oil |
| | |
| | Important for public communication. |
| This is a more accurate cost based on actuals. Actuals thru July are \$4,256, and the monthly cost is \$720. | Critical for comms |
| This is a more accurate cost based on actuals. Actuals thru July are \$6,441, and the monthly cost is \$925 | Critical for comms |
| This is a more accurate cost based on actuals. Actuals thru July are \$1,135, and the monthly cost is \$190. | Critical for comms |
| This is a more accurate cost based on actuals. Radios and mountain antennas. | Critical for comms |
| This is a new account for computer and supplies that are under the capitalization threshold. | Critical for maintaining business |
| We have a professional services agreement with the consultant. | Critical for safety |
| We have new employees that need to get outfitted. | Critical for operation of facility |
| Yes, this is contracted. | Critical for safety |
| This is purchased through a selected vendor. | Requirement of FERC license |
| | Critical for safety |
| | Critical operational support |
| This is for staff to communicate to the SCADA system from home. | Critical for monitoring plant and operations |
| | Critical for operations |
| | Critical for safety |

| Lewis Response | BPA Narrative |
|---|--|
| This is to cover the equipment that we ue to perform the rope access and rescue tasks. | Critical for safety |
| | Critical for security of facility |
| This is to satisfy the Ecology requirement for developing a sediment mngemet plan for Cowit Falls. This will also satisfy a FERC requirement for a sediment managemet plan. WA DEQ requires a plan '27 requirement. | Defer - can defer until '24 to '26 |
| | Operational requirement |
| | Important for operational support |
| | |
| | Critical for operations |
| Yes, this I scontracted. This clears out the bat launched after each flood season for recreational and project related boat usage. | Critical for operations |
| No. This is for material for general building maintenance. | Critical for operations |
| | Not critical, currently have furnishings. |
| | Critical support of personnel. |
| These are reoccurring costs for the software. | Critical for operations of campground |
| This work will be performed in fall 2022 after the campground closes. | remove - will be done in '22 |
| This is for basic telephone lines at the campground. Actuals thru July are \$930, and the monthly cost is \$135. | Critical support of personnel. |
| | Critical for operations |
| | Critical for operations |
| | Critical for operations |
| This work will be completed in the fall of 2022 after the campground closes. | remove - will be done in '22 |
| This is a more accurate cost based on actuals. Actuals thru July are \$6,735, and the monthly cost is \$963. | Critical - based on actuals, important for campground operations |
| | Critical - support of parks |
| | Critical - safety of visitors anc personnel |
| | Critical - operations |
| No. This is for material and supplies for grounds maintenance. | Critical - operations |
| | Critical - operations, safety of visitors |
| This was for Lewis County Noxious Weeds to assist us in controlling noxious weeds. Lewis County Noxious Weeds will no longer spray for noxious weeds on our land due to a lack of resources. We are currentlty looking for other options. | Remove - this will be performed by current personnel. |
| | Critical - operations |
| | |
| This is a more accurate cost based on actuals. Actuals thru July are \$4,595, and the monthly cost is \$660. | Important to support visitation. |
| | Critical to operations and visitor support |
| We are scheduled to perform this work in fall 2022. | Remove - will be completed in '22 |
| | Critical - safety |
| No labor. This is for material and supplies. | Critical - operations and maintenance |
| This lline item is to pump out our septic system tanks and vaults. Line item 304 is for contractual serives to assist us with our septic and water systems. | Critical - operations and maintenance |
| | Critical - operations and maintenance |
| | Critical - operations and maintenance |
| | |
| | Important - not critical |
| | Important - not critical |
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| | Important - not critical |
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| | Important - not critical |

| Lewis Response | BPA Narrative |
|--|---|
| This is based on actuals. Actuals thru July are \$10,275 - no other costs for the rest of the year | Important - not critical |
| | Important - not critical |
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| | Important - not critical |
| This is for our operating training program. We train each employee to be at journeyman level as a hydro electrician, hydro mechanic, and hydro operator. | Important - not critical |
| | Important - not critical |
| | Important - not critical |
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| | Important - not critical |
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| | Important - not critical |
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| | Joint Lewis County PUD partial support of Cowlitz Falls Project |
| | Important |
| | Critical - business requirement |
| | Critical - business requirement |
| This membership is based on the interest groups. Lewis is a member of the Dam Safety Interest Group, the Hydro Plant Equipment Interest Group, and the Assets Management Interest Group. | Important - not critical |
| | Important - not critical |
| | Critical - business requirement |
| This is for the cost of the new District document management software that will be purchased in 2023. This is a recurring cost. | Defer - Need to reconcile new software and recurring costs and inclusion in Exhibit F A&G |
| Yes, this is the fee for having Cowlitz Falls document scanned. | Defer - not critical and need to do document clean up first. |
| | Critical - business requirement |
| | Critical - support safety |
| Dam safety and sediment are some candidates. Hire outside company to determine which projects are good matches for existing grants. '23 help in writing grant applications that are due in March. Up to \$5M per year. | Defer - Not sure BPA endorses grant work. |
| | Critical - business requirement |
| | Critical - business requirement |
| | Critical - business requirement |
| | Critical - business requirement |

| Lewis Response | BPA Narrative |
|---|--|
| | Critical - business requirement |
| | Critical - business requirement |
| Need to get the new program setup and then run annually. Did not agree to final method last year with BPA. Need to kickstart for FY24. The \$35,000 is based on a quote from Black & Veatch to perform an annual update to the long range plan. | Defer - Better understand direction to Black and Veatch. |
| | |
| This is based on a quote from FreeDoc to complete the work started in 2022. FreeDoc will go through and dispose, organize, and archive the Cowitz Falls documents. | Important - close to completion. Needs to be completed before document retention work. |
| | |
| Estimate includes future cost of fuel. Could reduce estimate to FY22 since gas prices are lowering. Actuals thru July are \$14,120, and the average is \$2,000 a month | Critical - plant support |
| | Critical - plant support |
| | Critical - plant support |
| | Critical - plant support |
| | Critical - plant support |
| | |
| | Critical - Safety Training |
| This is general training for this position. There are several classes that this employee will take to continually develop. | Important - not critical |
| | Important - not critical |
| | Critical - safety |
| | |
| | Critical - safety |
| This training will take several years to complete. | Important - not critical |
| | Important - not critical |
| | |
| | |
| | ES Overhead is necessary, but ~\$350k in additional positions added to this line items need justification before approval of the total amount. |
| | |
| | ES support wages are necessary, but additional positions added to this line items need justification before approval of the total amount. |
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| Lewis Response | BPA Narrative |
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| | Justificaiton is needed before additional F&W tech to be hired (\$1,31k). The F&W tech position is included in this amount. |
| | |
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| | |
| Lewis did receive grant funding from lower Columbia fish recovery. Put these in as placeholders, uncertain of costs to the District. We will place the grant proposal and project details in the Shar-efile folder. | Defer - too many unknowns. |
| | Defer - not critical |
| | |
| | |
| This could be de'ferred and additional funds placed in equipment rental for this item. We do not have a fork lift and need one from time to time to move items and accept deliveries. Long term it makes sense to purchase a fork lift. | Ok - this is a typical equipment for the facility. |
| | |
| We have ongoing projects that require this item to unload and install equipment. We are looking at purchasing this item in 2022 and this can be deleting from the 2023 budget. | Remove - purchasing in '22 |
| | |
| | |
| | Potential Deferral - not urgent. We agreed to design funding in FY22, but this needs review due to change in estimated costs of the total project. |
| | Defer - not imminent failure |
| | Defer - not imminent failure |
| | Critical for safety of public |
| | Critical for safety of public |
| | Defer - no clear urgent need for this year |
| | |
| | Critical - safety of public |
| | Defer - no clear need for this year. |
| | |
| | |
| | Defer - No clear imminent failure of poor operational condition. |
| | |
| | Critical for maintenance access. |
| | |
| | |
| | |
| | |
| | Defer - can delay as it's not critical. Anticipating future reliability and support issues. |

| Lewis Response | BPA Narrative |
|----------------|---|
| | Critical - office safety |
| | |
| | |
| | Potential Deferral - not a need for plant reliability. Revised JS sheet needs review prior to final determination. |
| | |
| | Critical - security of facility |
| | Important - VFD's no longer supported. |
| | |
| | |
| | Potential Deferral - not urgent, have mitigation in place. We agreed to design funding in FY22, but this needs review due to change in estimated costs and changes in design needs. |
| | |
| | |
| | Potential Deferral - not urgent, have mitigation in place. We agreed to study funding in FY22, but this needs review due to change in estimated costs of the total project. |
| | Defer - not an urgent need. |
| | |
| | |
| | Important - additional ability to monitor operations. |
| | |
| | |
| | Defer - no urgent need. |
| | |
| | Defer - no urgent need. |
| | |
| | Defer - no urgent requirement or need. |
| | Defer - no urgent requirement or need. |

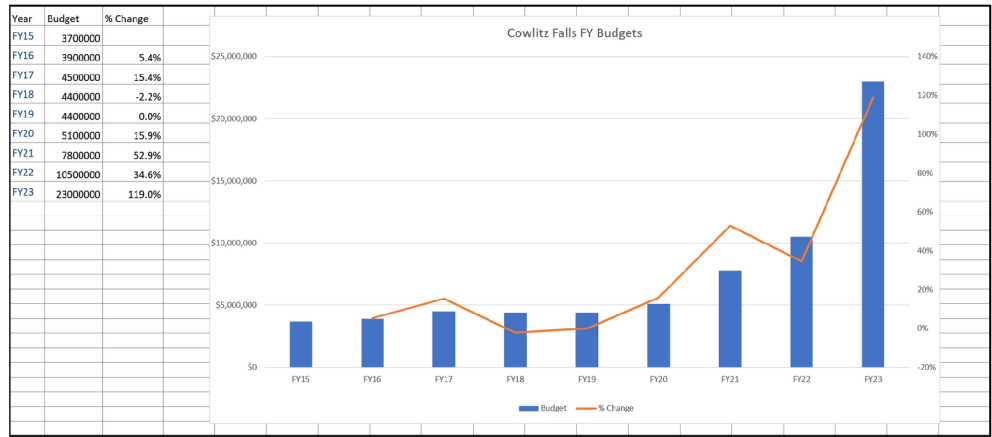
| Lewis Response | BPA Narrative |
|----------------|--|
| | Defer - no urgent requirement |
| | Critical - operational support |
| | Critical - security |
| | Defer - no urgent need or safety of visitors issues cited. |
| | Defer - no urgent need or safety of visitors issues cited. |
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| | Important - support of recreational users. |
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| Subnet | 2022 | Status | Subtotal | % |
|-------------|---------------|-----------------|---------------|-----|
| O&M | \$ 2,516,110 | Accepted | \$ 1,056,210 | 42% |
| | | Contingency | \$ 444,700 | 18% |
| | | Defer/Questions | \$ 999,900 | 40% |
| | | Remove | \$ 15,300 | 1% |
| Special O&M | \$ 5,121,960 | Accepted | \$ 4,897,800 | 96% |
| | | Contingency | \$ 104,160 | 2% |
| | | Defer/Questions | \$ 120,000 | 2% |
| | | Remove | \$ - | 0% |
| OR&R | \$ 15,093,900 | Accepted | \$ 2,388,000 | 16% |
| | | Contingency | \$ 30,000 | 0% |
| | | Defer/Questions | \$ 11,885,900 | 79% |
| | | Remove | \$ 790,000 | 5% |
| Grand Total | \$ 22,731,970 | Accepted | \$ 8,342,010 | 37% |
| | | Contingency | \$ 578,860 | 3% |
| | | Defer/Questions | \$ 13,005,800 | 57% |
| | | Remove | \$ 805,300 | 4% |
| | | Remaining | \$ - | |

| | Budget Year | | 2023 (Supported) | % Change from '23 Request | | | | FY22 |
|--------------------------------------|----------------------|----------------------|---------------------|---------------------------|---------------------|---------------------|-------------|------------------|
| | 2022 | 2023 (Requested) | | | Difference | | | |
| 2023 - 2029 O&M | | | | | | | | |
| Fish & Wildlife | \$ 210,380 | \$ 238,740 | \$ 124,440 | 48% | \$ 114,300 | | O&M | \$ 3,119,480.00 |
| Maintenance | \$ 1,767,950 | \$ 1,333,900 | \$ 614,000 | -54% | \$ 719,900 | | Special O&M | \$ 4,180,950.00 |
| Operations | \$ 330,040 | \$ 262,600 | \$ 212,600 | -19% | \$ 50,000 | | OR&R | \$ 4,004,670.00 |
| Recreation | \$ 416,800 | \$ 306,760 | \$ 175,760 | -43% | \$ 131,000 | | Grand Total | \$ 11,305,100.00 |
| Taxes | \$ 65,100 | \$ 65,100 | \$ 65,100 | 0% | \$ - | | | |
| Training & Travel | \$ 191,850 | \$ 109,110 | \$ - | -100% | \$ 109,110 | | | |
| Transmission | \$ 63,000 | \$ 62,000 | \$ 62,000 | 0% | \$ - | | | |
| Wage, Benefits, & Taxes | \$ 113,360 | \$ 137,900 | \$ 137,900 | 0% | \$ - | | | |
| Grand Total (O&M) | \$ 3,158,480 | \$ 2,516,110 | \$ 1,391,800 | -45% | \$ 1,124,310 | \$ 1,124,310 | | |
| | Budget Year | | 2023 (Supported) | % Change from '23 Request | | | | |
| | 2022 | 2023 (Requested) | | | | | | |
| 2022 - 2023 Special O&M | | | | | | | | |
| General | \$ 1,004,700 | \$ 1,117,760 | \$ 997,760 | -11% | | | | |
| Operations | \$ 39,000 | \$ 57,300 | \$ 57,300 | 0% | | | | |
| Training & Travel | \$ 23,800 | \$ 26,800 | \$ 26,800 | 0% | | | | |
| Wage, Benefits, & Taxes | \$ 3,113,450 | \$ 3,920,100 | \$ 3,920,100 | 0% | | | | |
| Grand Total (Special O&M) | \$ 4,180,950 | \$ 5,121,960 | \$ 5,001,960 | -2% | | | | |
| | Budget Year | | 2023 (Supported) | % Change from '23 Request | | | | |
| | 2022 | 2023 (Requested) | | | | | | |
| 2022 - 2023 OR&R | | | | | | | | |
| Fish & Wildlife | | \$ 955,000 | \$ - | -100% | | | | |
| Fleet | \$ 37,000 | \$ 90,000 | \$ 85,000 | -6% | | | | |
| Maintenance | \$ 2,292,270 | \$ 13,723,900 | \$ 2,218,000 | -84% | | | | |
| Operations | \$ 75,400 | \$ 105,000 | \$ 105,000 | 0% | | | | |
| Recreation | \$ 1,600,000 | \$ 220,000 | \$ 10,000 | -95% | | | | |
| Grand Total (OR&R) | \$ 4,004,670 | \$ 15,093,900 | \$ 2,418,000 | -84% | | | | |
| Grand Total (All Items) | \$ 11,344,100 | \$ 22,731,970 | \$ 8,811,760 | -61% | | | | |

| FY23 Target | FY23 Proposed | Difference |
|-------------------------|-------------------------|---------------------------|
| \$ 1,909,670.00 | \$ 2,516,110.00 | \$ (605,440.00) |
| \$ 3,980,950.00 | \$ 5,098,660.00 | \$ (1,117,710.00) |
| \$ 6,404,670.00 | \$ 15,093,500.00 | \$ (8,689,230.00) |
| \$ 12,295,290.00 | \$ 22,708,670.00 | \$ (10,413,380.00) |
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| | | FY22 | Adj | | | | | FY22 | Adj | Target | |
|-------------|---------------------------|------------------|------------------|-----------------|-------------------|-------------|-----------------|------------------|------------------|------------------|--------------------|
| O&M | | \$ 3,119,480.00 | | \$ 1,909,670.00 | \$ (1,209,810.00) | OR&R | | \$ 4,004,670.00 | | \$ 6,404,670.00 | |
| | Fish n Wildlife | \$ 210,380.00 | \$ (18,000.00) | \$ 192,380.00 | | | Fish n Wildlife | \$ - | | \$ - | |
| | Maintenance | \$ 1,767,950.00 | \$ (901,810.00) | \$ 866,140.00 | | | Fleet | \$ 37,000.00 | | \$ 37,000.00 | |
| | Operations | \$ 291,040.00 | \$ (100,000.00) | \$ 191,040.00 | | | Maintenance | \$ 2,292,270.00 | \$ 2,500,000.00 | \$ 4,792,270.00 | |
| | Recreation | \$ 416,800.00 | \$ (60,000.00) | \$ 356,800.00 | | | Operations | \$ 75,400.00 | | \$ 75,400.00 | |
| | Taxes | \$ 65,100.00 | | \$ 65,100.00 | | | Recreation | \$ 1,600,000.00 | \$ (100,000.00) | \$ 1,500,000.00 | |
| | Training and Travel | \$ 191,850.00 | \$ (130,000.00) | \$ 61,850.00 | | | | | | | |
| | Transmission | \$ 63,000.00 | | \$ 63,000.00 | | | | | | | |
| | Wage, Benefits, and Taxes | \$ 113,360.00 | | \$ 113,360.00 | | | | | | | |
| Special O&M | | \$ 4,180,950.00 | | \$ 3,980,950.00 | \$ (200,000.00) | | | | | | |
| | General | \$ 1,004,700.00 | | \$ 1,004,700.00 | | Grand Total | O&M | \$ 3,119,480.00 | \$ 1,909,670.00 | \$ 2,516,110.00 | \$ (606,440.00) |
| | Operations | \$ 39,000.00 | | \$ 39,000.00 | | | Special O&M | \$ 4,180,950.00 | \$ 3,980,950.00 | \$ 5,096,660.00 | \$ (1,117,710.00) |
| | Training and Travel | \$ 23,800.00 | | \$ 23,800.00 | | | OR&R | \$ 4,004,670.00 | \$ 6,404,670.00 | \$ 15,093,900.00 | \$ (8,689,230.00) |
| | Wage, Benefits, and Taxes | \$ 3,113,450.00 | \$ (200,000.00) | \$ 2,913,450.00 | | | Grand Total | \$ 11,305,100.00 | \$ 12,295,290.00 | \$ 22,708,670.00 | \$ (10,413,380.00) |
| Total | | \$ 7,300,430.00 | | \$ 5,890,620.00 | \$ (1,409,810.00) | 19% | | | | | |
| | | | Target | | | | | | | | |
| Grand Total | O&M | \$ 3,119,480.00 | \$ 1,909,670.00 | | -38.78% | | | | | | |
| | Special O&M | \$ 4,180,950.00 | \$ 3,980,950.00 | | -4.78% | | | | | | |
| | OR&R | \$ 4,004,670.00 | \$ 6,404,670.00 | | 59.93% | | | | | | |
| | Grand Total | \$ 11,305,100.00 | \$ 12,295,290.00 | | 8.76% | | | | | | |



| 2023 - 2029 Routine (O&M and Special O&M) | | | | Budget Year | | | | | | | | | | | | | |
|---|----|------------|----|-------------|---------------|------|-----------|------|------------|------|------------|----|-----------|----|-----------|----|-----------|
| (Excludes Wages & Benefits) | | | | 2022 | 2023 % Change | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | | | | | |
| Fish & Wildlife | \$ | 210,380 | \$ | 238,740 | 13% | \$ | 137,300 | \$ | 340,600 | \$ | 909,700 | \$ | 903,480 | \$ | 726,570 | \$ | 249,850 |
| General | \$ | 1,004,700 | \$ | 1,094,460 | 9% | \$ | 1,058,560 | \$ | 1,091,960 | \$ | 1,118,110 | \$ | 1,149,210 | \$ | 1,196,110 | \$ | 1,229,680 |
| Maintenance | \$ | 1,767,950 | \$ | 1,333,900 | -25% | \$ | 1,054,900 | \$ | 856,600 | \$ | 904,600 | \$ | 704,300 | \$ | 2,376,800 | \$ | 1,853,900 |
| Operations | \$ | 330,040 | \$ | 262,600 | -20% | \$ | 85,000 | \$ | 85,000 | \$ | 85,000 | \$ | 85,000 | \$ | 95,000 | \$ | 95,000 |
| Recreation | \$ | 416,800 | \$ | 526,760 | 26% | \$ | 307,650 | \$ | 319,760 | \$ | 320,460 | \$ | 332,280 | \$ | 334,780 | \$ | 346,260 |
| Training & Travel | \$ | 215,650 | \$ | 135,910 | -37% | \$ | 129,050 | \$ | 91,400 | \$ | 90,300 | \$ | 82,300 | \$ | 80,700 | \$ | 80,700 |
| Transmission | \$ | 63,000 | \$ | 62,000 | -2% | \$ | 62,000 | \$ | 62,000 | \$ | 62,000 | \$ | 60,000 | \$ | 60,000 | \$ | 60,000 |
| Wage, Benefits, & Taxes | \$ | 3,226,810 | \$ | 4,000,000 | 24% | | | | | | | | | | | | |
| Grand Total | \$ | 7,235,330 | \$ | 7,654,370 | 6% | \$ | 7,731,620 | \$ | 12,303,360 | \$ | 13,922,150 | \$ | 8,226,250 | \$ | 7,742,080 | \$ | 6,671,110 |
| 2023 - 2029 OR&R | | | | Budget Year | | | | | | | | | | | | | |
| (Excludes Wages & Benefits) | | | | 2022 | 2023 % Change | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | | | | | |
| Fish & Wildlife | \$ | - | \$ | 955,000 | 100% | \$ | 360,000 | \$ | 950,000 | \$ | 600,000 | \$ | 550,000 | \$ | 150,000 | | |
| Fleet | \$ | 37,000 | \$ | 90,000 | 143% | \$ | 72,000 | \$ | 30,000 | \$ | 83,000 | \$ | 83,000 | \$ | 45,000 | \$ | 45,000 |
| Maintenance | \$ | 2,292,270 | \$ | 13,723,900 | 499% | \$ | 3,037,000 | \$ | 7,281,000 | \$ | 8,276,000 | \$ | 3,125,000 | \$ | 1,072,000 | \$ | 1,350,000 |
| Operations | \$ | 75,400 | \$ | 105,000 | 39% | \$ | 85,000 | \$ | 85,000 | \$ | 85,000 | \$ | 85,000 | \$ | 95,000 | \$ | 95,000 |
| Recreation | \$ | 1,600,000 | \$ | 220,000 | -86% | \$ | 260,000 | \$ | | \$ | 273,000 | \$ | 501,000 | \$ | | \$ | - |
| Grand Total | \$ | 4,004,670 | \$ | 15,093,900 | 277% | \$ | 7,731,620 | \$ | 12,303,360 | \$ | 13,922,150 | \$ | 8,226,250 | \$ | 7,742,080 | \$ | 6,671,110 |
| Grand Total (All Items) | \$ | 11,240,000 | \$ | 22,748,270 | 102% | | | | | | | | | | | | |
| Target (Proposed) | | | \$ | 11,577,200 | | | | | | | | | | | | | |
| | | 210,380 | | | | | | | | | | | | | | | |
| | | 37,000 | | | | | | | | | | | | | | | |
| | | 1,004,700 | | | | | | | | | | | | | | | |
| | | 4,060,220 | | | | | | | | | | | | | | | |
| | | 405,440 | | | | | | | | | | | | | | | |
| | | 2,016,800 | | | | | | | | | | | | | | | |
| | | 65,100 | | | | | | | | | | | | | | | |
| | | 215,650 | | | | | | | | | | | | | | | |
| | | 63,000 | | | | | | | | | | | | | | | |
| | | 3,226,810 | | | | | | | | | | | | | | | |
| | | 11505100 | | 11206100 | 99000 | | | | | | | | | | | | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|--|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|
| | Budget Year | | | | | | | | | |
| (Excludes Wages & Benefits) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| Fish & Wildlife | \$ 210,380 | \$ 1,193,740 | \$ 497,300 | \$ 1,290,600 | \$ 1,509,700 | \$ 903,480 | \$ 1,276,570 | \$ 399,850 | | |
| O&M | \$ 210,380 | \$ 238,740 | \$ 137,300 | \$ 340,600 | \$ 909,700 | \$ 903,480 | \$ 726,570 | \$ 249,850 | | |
| American Fisheries Society (AFS) Membership | | \$ 110 | \$ 110 | \$ 110 | \$ 110 | \$ 110 | \$ 110 | \$ 110 | | |
| CISPUS ADULT FISH SITE RELEASE ANALYSIS | | \$ 75,000 | | | | | | | | |
| Creel Study | \$ 18,000 | | | \$ 50,000 | \$ 20,000 | | | | | |
| ESA BIoP Studies | | | | | \$ 748,000 | \$ 758,000 | \$ 580,000 | \$ 100,000 | | |
| Fish & Wildlife Contract Services (RTL Consulting) | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | | |
| Fish Gate Position Indicators | \$ 32,000 | | | | | | | | | |
| Fishing Pond Sediment Removal | \$ 30,000 | \$ 30,000 | | | | | | | | |
| Habitat & Fish Recovery Services (WDFW) | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | | |
| Habitat Management; Fertilizer, Spraying, Plants | \$ 9,000 | \$ 9,000 | \$ 9,300 | \$ 9,300 | \$ 9,300 | \$ 9,600 | \$ 9,600 | \$ 9,600 | | |
| Kid's Trout Derby | \$ 5,400 | \$ 5,600 | \$ 5,600 | \$ 5,800 | \$ 5,800 | \$ 6,000 | \$ 6,000 | \$ 6,200 | | |
| Mitigation Trout Program | \$ 45,000 | \$ 47,000 | \$ 49,000 | \$ 51,000 | \$ 51,000 | \$ 53,000 | \$ 53,000 | \$ 55,000 | | |
| Noxious Weed Control Contractor | \$ 9,300 | \$ 9,300 | \$ 9,500 | \$ 9,500 | \$ 9,500 | \$ 9,700 | \$ 9,700 | \$ 9,700 | | |
| TPU Rearing Facilities Studies | | | | \$ 150,000 | | | | | | |
| USGS Gauging Station Fees | \$ 41,600 | \$ 42,640 | \$ 43,700 | \$ 44,800 | \$ 45,900 | \$ 46,980 | \$ 48,070 | \$ 49,150 | | |
| Wildlife Society Membership | \$ 80 | \$ 90 | \$ 90 | \$ 90 | \$ 90 | \$ 90 | \$ 90 | \$ 90 | | |
| OR&R | \$ - | \$ 955,000 | \$ 360,000 | \$ 950,000 | \$ 600,000 | | \$ 550,000 | \$ 150,000 | | |
| (CHAP) Comprehensive Habitat Action Plan - Wildlife Evaluation | | | | | | | \$ 550,000 | \$ 150,000 | | |
| Alternative Fishing Derby Site Development - Construction | | | | | \$ 600,000 | | | | | |
| Alternative Fishing Derby Site Development - Design | | | \$ 200,000 | \$ 50,000 | | | | | | |
| Kiona Creek Enhancement | | \$ 120,000 | \$ 120,000 | \$ 750,000 | | | | | | |
| Man-Made Island Canal - Construction | | | | \$ 150,000 | | | | | | |
| Man-Made Island Canal - Design | | \$ 50,000 | | | | | | | | |
| Wildlife Meadows Unit #5 | | | \$ 40,000 | | | | | | | |
| Wildlife Mitigation Land | \$ - | \$ 785,000 | | | | | | | | |
| Fleet | \$ 37,000 | \$ 90,000 | \$ 72,000 | \$ 30,000 | \$ 83,000 | \$ 83,000 | \$ 45,000 | \$ 45,000 | | |
| OR&R | \$ 37,000 | \$ 90,000 | \$ 72,000 | \$ 30,000 | \$ 83,000 | \$ 83,000 | \$ 45,000 | \$ 45,000 | | |
| Mower | \$ 22,000 | | | | | | | | | |
| RT Fork Lift | | \$ 85,000 | | | | | | | | |
| Side By Side | | | \$ 30,000 | \$ 30,000 | | | | | | |
| Truck Box Crane | | \$ 5,000 | | | | | | | | |
| Vehicle | \$ 15,000 | | | | \$ 38,000 | | | | | |
| Vehicle for Replacement | | | | | \$ 45,000 | \$ 83,000 | \$ 45,000 | \$ 45,000 | | |
| Vehicle for Resource Worker | | | \$ 42,000 | | | | | | | |
| General | \$ 1,004,700 | \$ 1,094,460 | \$ 1,058,560 | \$ 1,091,960 | \$ 1,118,110 | \$ 1,149,210 | \$ 1,196,110 | \$ 1,229,680 | | |
| Special O&M | \$ 1,004,700 | \$ 1,094,460 | \$ 1,058,560 | \$ 1,091,960 | \$ 1,118,110 | \$ 1,149,210 | \$ 1,196,110 | \$ 1,229,680 | | |
| A&G Exhibit F | \$ 371,600 | \$ 382,800 | \$ 394,800 | \$ 405,600 | \$ 418,800 | \$ 430,800 | \$ 444,000 | \$ 457,200 | | |
| ASD&O - Government Membership | \$ - | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | | |
| Auditing - Accountability | \$ 2,300 | \$ 2,350 | \$ 2,400 | \$ 2,500 | \$ 2,600 | \$ 2,700 | \$ 2,800 | \$ 2,900 | | |
| Auditing - Financial | \$ 19,000 | \$ 19,450 | \$ 20,200 | \$ 20,900 | \$ 21,600 | \$ 22,400 | \$ 23,200 | \$ 24,000 | | |
| Budget Facilitator | \$ - | | | | | | | | | |
| CEAT - MEMBERSHIP | \$ 65,300 | \$ 42,000 | \$ 42,000 | \$ 42,000 | \$ 42,000 | \$ 42,000 | \$ 46,000 | \$ 46,000 | | |
| CEAT - PROJECTS | \$ 30,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 20,000 | \$ 20,000 | | |
| Compliance Consultant | \$ 65,000 | \$ 65,000 | \$ 65,000 | \$ 70,000 | \$ 70,000 | \$ 70,000 | \$ 75,000 | \$ 75,000 | | |
| Document Management Software | | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | | |
| Document Scanning | | \$ 5,000 | \$ 5,000 | \$ 5,000 | | | | | | |
| FERC Annual Fee | \$ 100,000 | \$ 103,000 | \$ 106,100 | \$ 109,300 | \$ 112,600 | \$ 116,000 | \$ 119,500 | \$ 123,000 | | |
| Fire District Payment | \$ 19,500 | \$ 20,000 | \$ 20,500 | \$ 21,000 | \$ 21,000 | \$ 21,500 | \$ 21,850 | \$ 22,200 | | |
| Infrastructure Grant Proposal (HDR) | | \$ 50,000 | | | | | | | | |
| INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS | \$ 7,200 | \$ 7,500 | \$ 7,900 | \$ 8,300 | \$ 8,750 | \$ 9,200 | \$ 9,600 | \$ 10,100 | | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|---|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|
| | Budget Year | | | | | | | | | |
| (Excludes Wages & Benefits) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| INSURANCE - EXCESS LIABILITY | \$ 25,000 | \$ 26,000 | \$ 27,000 | \$ 28,000 | \$ 29,000 | \$ 30,000 | \$ 31,000 | \$ 32,000 | | |
| INSURANCE - LIABILITY | \$ 10,500 | \$ 11,000 | \$ 11,500 | \$ 12,000 | \$ 12,500 | \$ 13,000 | \$ 13,500 | \$ 14,000 | | |
| INSURANCE - PROPERTY | \$ 200,000 | \$ 210,000 | \$ 220,500 | \$ 231,500 | \$ 243,100 | \$ 255,250 | \$ 268,000 | \$ 281,420 | | |
| LEGAL SERVICES - BIOP & FERC ISSUES | \$ 24,200 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | | |
| LEGAL SERVICES - GENERAL ISSUES | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | | |
| Long Range Plan Analysis | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 | | |
| NWHA Membership | \$ 800 | \$ 1,000 | \$ 1,000 | \$ 1,200 | \$ 1,200 | \$ 1,400 | \$ 1,400 | \$ 1,600 | | |
| OFFICE SUPPLIES AND EXPENSES | \$ 9,300 | \$ 9,300 | \$ 9,600 | \$ 9,600 | \$ 9,900 | \$ 9,900 | \$ 10,200 | \$ 10,200 | | |
| Records Clean Up | | \$ 15,000 | | | | | | | | |
| Maintenance | \$ 4,060,220 | \$ 15,057,800 | \$ 4,091,900 | \$ 8,137,600 | \$ 9,180,600 | \$ 3,825,300 | \$ 3,448,800 | \$ 3,203,900 | | |
| O&M | \$ 1,767,950 | \$ 1,333,900 | \$ 1,054,900 | \$ 856,600 | \$ 904,600 | \$ 704,300 | \$ 2,376,800 | \$ 1,853,900 | | |
| 230 kV Circuit Maintenance | | | | \$ 45,000 | | | | \$ 45,000 | | |
| ARC FLASH STUDY | \$ 35,000 | | | | | | | | | |
| Automatic Transfer Switch Grouting | \$ 1,000 | | | | | | | | | |
| AVR Testing | | | | | \$ 45,000 | | | | | |
| Bridge Sections Inspection & Analysis | | \$ 106,000 | | | | | | | | |
| Buffer Zone Management | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,600 | \$ 3,600 | | |
| CAD Software Licensing | \$ 4,500 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 5,000 | | |
| Computer Software | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | | |
| Construction Management Software | \$ 12,000 | \$ 7,600 | \$ 7,600 | \$ 7,800 | \$ 7,800 | \$ 8,000 | \$ 8,000 | \$ 8,200 | | |
| Contract Crane Inspections | \$ 12,600 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 16,000 | \$ 16,000 | | |
| Contract Diesel Generator Maintenance | \$ 13,000 | \$ 12,000 | \$ 12,000 | \$ 14,000 | \$ 14,000 | \$ 16,000 | \$ 16,000 | \$ 18,000 | | |
| Contract Drafting Services | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 55,000 | \$ 55,000 | \$ 57,500 | \$ 59,500 | \$ 61,500 | | |
| Contract Maintenance Elevator | \$ 15,200 | \$ 18,500 | \$ 19,000 | \$ 19,500 | \$ 20,000 | \$ 20,500 | \$ 21,000 | \$ 21,500 | | |
| Control Room / Office Area Repairs - Construction | \$ 586,000 | | | | | | | | | |
| Control Room / Office Area Repairs - Design | \$ 7,500 | | | | | | | | | |
| Control Room Paperless Recorders | \$ 42,000 | | | | | | | | | |
| Dam Instrumentation | \$ 2,200 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | | |
| Debris Barrier - Maintenance | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| Debris Removal - Trash Rake Debris Box | \$ 6,000 | \$ 6,200 | \$ 6,200 | \$ 6,400 | \$ 6,400 | \$ 6,600 | \$ 6,600 | \$ 6,800 | | |
| Diesel Generator Connection to Spillway Gates 2 & 3 | \$ 14,000 | | | | | | | | | |
| Diesel Generator Load Bank | \$ 8,500 | | | | | | | | | |
| Diving Services | \$ 16,500 | \$ 16,500 | \$ 17,000 | \$ 17,000 | \$ 17,500 | \$ 17,500 | \$ 18,000 | \$ 18,000 | | |
| Drainage Pump | | | | \$ 20,000 | | | | | | |
| Drainage Pump Handrail | \$ 7,500 | | | | | | | | | |
| Drainage Sump Level Indication | | \$ 3,500 | | | | | | | | |
| Drainage Sump Study | | \$ 48,000 | | | | | | | | |
| Drainage System | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | | |
| Electrical Parts | \$ 5,400 | \$ 14,400 | \$ 14,400 | \$ 14,800 | \$ 14,800 | \$ 15,200 | \$ 15,600 | \$ 16,000 | | |
| Equipment Rental | \$ 17,000 | \$ 17,000 | \$ 18,000 | \$ 18,000 | \$ 19,000 | \$ 19,000 | \$ 20,000 | \$ 20,000 | | |
| Equipment Watch Annual Fee | | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | | |
| FERC Part 12 Recommendations | | | \$ 125,000 | \$ 150,000 | \$ 150,000 | \$ 175,000 | \$ 175,000 | \$ 200,000 | | |
| Forebay and Tailrace Level Sensor Replacement | | | | \$ 45,000 | | | | | | |
| Fuel - Diesel Generator | | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | | |
| Gantry Crane Jib Hoist Load Cell | | \$ 15,000 | | | | | | | | |
| Generator Bus Boots | | \$ 8,000 | | | | | | | | |
| Generator Oil Mist Piping | | \$ 3,000 | | | | | | | | |
| Generator Parameter Validation Testing | | | | | \$ 120,000 | | | | | |
| Governor | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | \$ 4,000 | | |
| Governor and Turbine Oil Replacement | | | \$ 225,000 | | | | | | | |
| Governor Jockey Pump | | \$ 4,000 | | | | | | | | |
| Governor Oil Sumo Level Indication | | \$ 5,000 | | | | | | | | |
| GSU Transformer #1 Metering CT Replacement | \$ 15,000 | | | | | | | | | |
| GSU Transformer Maintenance | \$ 3,240 | | | | \$ 45,000 | | | | | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|---|---|-------------|------------|------------|------------|------------|------------|------------|--|--|
| | (Excludes Wages & Benefits) | Budget Year | | | | | | | | |
| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| GSU Transformer Oil Processing & Testing | \$ 165,780 | | | | | | | | | |
| GSU Transformer Testing | | | | | | \$ 45,000 | | | | |
| HVAC | \$ 3,200 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,800 | \$ 3,800 | | |
| Inspect Upstream Coating Spillway Gate 4 | | | \$ 60,000 | | | | | | | |
| Instrumentation Parts | \$ 5,400 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | | |
| Investigate Draft Tube Liner Issues | \$ 25,000 | | | | | | | | | |
| MAINTENANCE - LOG BRONC | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | | |
| Maintenance - Unanticipated Dam Repairs | \$ - | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | | |
| Maintenance Management System | \$ 15,000 | \$ 15,000 | \$ 17,000 | \$ 17,000 | \$ 18,000 | \$ 18,000 | \$ 20,000 | \$ 20,000 | | |
| Maintenance Supplies for Electric Plant | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,400 | | |
| Mechanical & Piping | \$ 9,000 | \$ 10,000 | \$ 10,000 | \$ 11,000 | \$ 11,000 | \$ 12,000 | \$ 12,000 | \$ 13,000 | | |
| Mechanical Parts | \$ 10,600 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | \$ 14,000 | | |
| Metal | \$ 10,000 | \$ 13,000 | \$ 13,000 | \$ 14,000 | \$ 14,000 | \$ 14,900 | \$ 14,900 | \$ 15,300 | | |
| Mobile Crane Maintenance | | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | | |
| North Rock Wall Sealing | \$ 75,000 | \$ 150,000 | | | | | | | | |
| Oil Bearing Level Sensors - Unit 1 | | \$ 24,000 | | | | | | | | |
| Oil Bearing Level Sensors - Unit 2 | | | \$ 24,000 | | | | | | | |
| Oil Storage Tank Level Sensors | | \$ 6,000 | | | | | | | | |
| Painting & Special Coatings | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | | |
| Piezometer Pressure Transmitters | \$ 18,000 | \$ 18,000 | \$ 18,000 | | | | | | | |
| Plant Lighting | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | | |
| Plant Water Wells & Testing | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | | |
| Protection & Control Support | | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | | |
| Protective Relay Testing | | | | \$ 55,000 | | | | | | |
| Recoat Top Deck Above Control Room | \$ 3,500 | | | | | | | | | |
| Repaint Elevator Shaft Exterior | \$ 1,500 | | | | | | | | | |
| Repaint Stairwell Interior | \$ 500 | | | | | | | | | |
| Rotor Braided Jumpers | \$ 10,000 | | | | | | | | | |
| Safety Equipment - Non PPE | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | | |
| Sandblast and Coat Draft Tube Platform Brackets | \$ 3,000 | | | | | | | | | |
| SCADA Network Support | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | \$ 10,700 | | |
| SCADA Support | \$ 120,000 | \$ 200,000 | \$ 120,000 | \$ 124,000 | \$ 128,000 | \$ 132,000 | \$ 136,000 | \$ 140,000 | | |
| Seismic Study | \$ 150,000 | | | | | | | | | |
| Septic System Maintenance - Dam | | | | \$ 4,000 | | | \$ 4,000 | | | |
| Service Air Compressor | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | | |
| Service Water System Design | \$ 2,500 | | | | | | | | | |
| Service Water System Rehabilitation | | \$ 45,000 | | | | | | | | |
| Sluice Gate Bulkhead Seals - Replacement | | \$ 2,500 | | | | | | | | |
| SMAG Power Connection & Cable | \$ 4,500 | | | | | | | | | |
| Smoke Detectors & Fire Water Systems | \$ 2,600 | \$ 3,000 | \$ 3,000 | \$ 3,400 | \$ 3,400 | \$ 3,800 | \$ 3,800 | \$ 4,200 | | |
| Spillway Gate 4 Bottom Seal Repair | | | \$ 80,000 | | | | | | | |
| Spillway Gate Finite Element Analysis | | \$ 90,000 | | | | | | | | |
| Spillway Gates | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | | |
| Steel Structures & Equipment Coating | | | | | | | \$ 600,000 | | | |
| Structure Maintenance; Concrete, Fencing | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| Temporary Offices | \$ - | \$ 230,000 | \$ 72,000 | \$ 72,000 | \$ 72,000 | | | | | |
| Tools & Equipment - Operations | \$ 15,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | \$ 22,000 | | |
| Transformer Oil Processing & Testing | | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | | |
| Trunnion Friction Testing | \$ 65,000 | | | | | | | | | |
| Turbidity Sensor Communication | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | | |
| Turbine Oil Level Indication | | \$ 15,000 | | | | | | | | |
| Turbine Shaft Seals | \$ 30,000 | \$ 30,000 | | | | | | | | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|---|---|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|------------|
| | Budget Year | | | | | | | | | |
| (Excludes Wages & Benefits) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| Unit 1 Major Inspection & Cleaning | | | | | | | | | | \$ 500,000 |
| Unit 1 Turbine Hus & Discharge Ring Recoating | | | | | | | | | | \$ 600,000 |
| Unit 2 Major Inspection & Cleaning | | | | | | | | | \$ 500,000 | |
| Unit 2 Turbine Hus & Discharge Ring Recoating | | | | | | | | | \$ 600,000 | |
| Unit Control Board Meter Replacement | \$ 42,000 | | | | | | | | | |
| Unit Turbine Gage Board Inputs into SCADA - Design | \$ 4,000 | | | | | | | | | |
| Upper Guide Bearing Oil Sample Ports | | \$ 4,000 | | | | | | | | |
| Warehouse Repairs | \$ 64,000 | | | | | | | | | |
| OR&R | \$ 2,292,270 | \$ 13,723,900 | \$ 3,037,000 | \$ 7,281,000 | \$ 8,276,000 | \$ 3,125,000 | \$ 1,072,000 | \$ 1,350,000 | | |
| 9-Ton Bridge Crane | \$ 490,000 | \$ 865,000 | | | | | | | | |
| Battery Bank Replacement | | \$ 80,000 | | | | | | | | |
| Battery Chargers | | \$ 60,000 | | | | | | | | |
| Boat Barrier Replacement - Alternative Analysis | \$ 35,000 | | | | | | | | | |
| Boat Barrier Replacement - Design | \$ 41,375 | \$ 80,000 | | | | | | | | |
| Boat Barrier Replacement - Installation | | \$ 1,800,000 | | | | | | | | |
| Debris Barrier Coating & Cathodic Protection - Construction | | \$ 3,680,800 | | | | | | | | |
| Debris Barrier Coating & Cathodic Protection - Design | \$ 60,000 | | | | | | | | | |
| Downstream Boat Ramp | | | \$ 200,000 | \$ 50,000 | | | | | | |
| Downstream Notification Siren - Design | | \$ 10,000 | | | | | | | | |
| Downstream Notification Siren - Installation | | | \$ 40,000 | | | | | | | |
| Drainage Gallery Air Supply - Alternative Analysis | | \$ 60,000 | | | | | | | | |
| Drainage Gallery Air Supply - Design | | | \$ 145,000 | | | | | | | |
| Drainage Gallery Air Supply - Installation | | | | \$ 450,000 | | | | | | |
| Drainage Sump Oil Skimmer - Design | | | | | | \$ 45,000 | | | | |
| Drainage Sump Oil Skimmer - Installation | | | | | | | \$ 150,000 | | | |
| Elevator Controls - Design | | \$ 60,000 | | | | | | | | |
| Elevator Controls - Installation | | | \$ 125,000 | | | | | | | |
| Elevator Roof Access - Design | \$ 10,000 | | | | | | | | | |
| Elevator Roof Access - Installation | | \$ 25,000 | | | | | | | | |
| Exciter Brush Dust Vacuum System | \$ 92,200 | | | | | | | | | |
| Exciter Replacement - Design | | | | \$ 125,000 | | | | | | |
| Exciter Replacement - Phase I | | | | | \$ 250,000 | | | | | |
| Exciter Replacement - Phase II | | | | | | \$ 700,000 | | | | |
| Fire Detection System Upgrade | | | | | | | | \$ 42,000 | | |
| Gantry Crane Controls and Drive Upgrade - Design | | | | | \$ 150,000 | | | | | |
| Gantry Crane Controls and Drive Upgrade - Upgrades | | | | | | | | \$ 600,000 | | |
| Generator Cooling Water Refurbishment | | | \$ 78,000 | | | | | | | |
| Generator Hatch Cover Seals & Drains | \$ 25,000 | \$ 215,000 | | | | | | | | |
| Generator Protective Relay Replacement - Design | | \$ 100,000 | | | | | | | | |
| Generator Protective Relay Replacement - Installation | | | \$ 50,000 | | | | | | | |
| HVAC AH-1 Replacement Office Area | | \$ 50,000 | | | | | | | | |
| Intake Gate Slot Cover - Alternative Analysis | | | | | | | | \$ 100,000 | \$ 150,000 | |
| Lathe | \$ 18,000 | | | | | | | | | |
| Mobile Diesel Generator & Log Bronc Cover | \$ 25,000 | | | | | | | | | |
| New Facility - Construction | | | | \$ 1,200,000 | \$ 2,000,000 | | | | | |
| New Facility - Design | | | \$ 180,000 | \$ 100,000 | | | | | | |
| New Facility - Site Preparation | \$ 60,000 | \$ 1,068,100 | | | | | | | | |
| Plant Auxiliary Equipment Inputs into SCADA - Design | | | \$ 8,000 | | | | | | | |
| Plant Auxiliary Equipment Inputs into SCADA - Installation | | | | \$ 38,000 | | | | | | |
| Revenue Meters | \$ 24,000 | | | | | | | | | |
| Roadway Gates | \$ 12,000 | \$ 18,000 | | | | | | | | |
| Roadway Lighting | \$ 20,000 | | | | | | | | | |
| Service Water VFD & Controls Replacement | | \$ 16,000 | | | | | | | | |
| Sluice Gate Replacement - CFD & Physical Model Design | \$ 115,605 | | | | | | | | | |
| Sluice Gate Replacement - Construction 1 | | | \$ 1,200,000 | | | | | | | |
| Sluice Gate Replacement - Construction 2 | | | | \$ 1,400,000 | | | | | | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------|
| | Budget Year | | | | | | | | |
| (Excludes Wages & Benefits) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | |
| Sluice Gate Replacement - Construction 3 | | | | | \$ 5,536,000 | | | | |
| Sluice Gate Replacement - Design 1 | \$ 372,000 | | | | | | | | |
| Sluice Gate Replacement - Design 2 | \$ 867,700 | | | | | | | | |
| Sonar & Turbidity Sensors | \$ 25,000 | | | | | | | | |
| South Downstream Abutment Wall Handrail | \$ 27,000 | | | | | | | | |
| South Well Pump | | | | \$ 3,000 | | | | | |
| Spillway 1 Apron Repairs | | | | | | \$ 300,000 | | | |
| Spillway 1 Apron Repairs - Alternative Analysis | | | | \$ 60,000 | | | | | |
| Spillway 1 Apron Repairs - Design | | | | | \$ 90,000 | | | | |
| Spillway 4 Gate Uplift Anchoring | | | | \$ 250,000 | | | | | |
| Spillway 4 Rail Extension - Construction | \$ 3,768,300 | \$ - | | | | | | | |
| Spillway 4 Rail Extension - Design | \$ 330,025 | | | | | | | | |
| Spillway Gate Control - Alternative Analysis | \$ 50,000 | | | | | | | | |
| Spillway Gate Control - Design | | | \$ 200,000 | | | | | | |
| Spillway Gate Control - Installation | | | | \$ 75,000 | | | | | |
| Spillway Gate Hoist Covers - Construction | \$ 95,000 | | | | | | | | |
| Spillway Gate Hoist Covers - Design | \$ 25,000 | | | | | | | | |
| Spillway Gate Structural Reinforcement | | | | \$ 500,000 | | | | | |
| Spillway Handrail & Guardrail | \$ 226,585 | | | | | | | | |
| Station Air Compressor Replacement | | | | | | | \$ 60,000 | | |
| Station Service cabinet Inputs into SCADA - Design | | \$ 4,000 | | | | | | | |
| Station Service cabinet Inputs into SCADA - Installation | | | \$ 16,000 | | | | | | |
| Station Service Circuit Breaker Replacement - Alternative Analysis | | | | | | \$ 60,000 | | | |
| Station Service Circuit Breaker Replacement - Design | | | | | | | | \$ 120,000 | |
| Station Service Circuit Breaker Replacement - Installation | | | | | | | | | \$ 1,200,000 |
| Surge Arrestor Replacement | | | | | | \$ 20,000 | | | |
| Tailrace Repairs & Improvements - Alternative Analysis | | | | \$ 60,000 | | | | | |
| Tailrace Repairs & Improvements - Design | | | | | \$ 250,000 | | | | |
| Tailrace Repairs & Improvements - Installation | | | | | | \$ 2,000,000 | | | |
| Transmission Line Access - Bridge Replacement | \$ 275,000 | \$ - | \$ - | \$ - | \$ - | | | | |
| Trash Rake - Alternative Analysis | \$ 85,850 | | | | | | | | |
| Trash Rake Construction | | | \$ 700,000 | \$ 1,070,000 | | | | | |
| Trash Rake Design | | \$ 191,000 | | | | | | | |
| Trash Removal System - Alternative Analysis | \$ 75,630 | | | | | | | | |
| Trash Removal System - Construction | | | \$ - | \$ 1,700,000 | | | | | |
| Trash Removal System - Design | | \$ 300,000 | \$ 50,000 | | | | | | |
| Unit Instrumentation - Alternative Analysis | \$ 45,000 | | | | | | | | |
| Unit Instrumentation - Design | | | \$ 45,000 | | | | | | |
| Unit Instrumentation - Installation | | | | \$ 200,000 | | | | | |
| Unit Turbine Gage Beard Inputs into SCADA - Installation | | \$ 35,000 | | | | | | | |
| Operations | \$ 405,440 | \$ 424,900 | \$ 373,040 | \$ 375,940 | \$ 380,880 | \$ 381,580 | \$ 396,020 | \$ 401,620 | |
| O&M | \$ 291,040 | \$ 262,600 | \$ 230,640 | \$ 233,440 | \$ 238,280 | \$ 238,880 | \$ 242,820 | \$ 248,320 | |
| 1D Sediment Transport Study | \$ 100,000 | | | | | | | | |
| Advertising - Dam | \$ - | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 |
| CFP Cell Phones | \$ 1,600 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 |
| CFP Telephones | \$ 7,000 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 | \$ 10,800 |
| CFP Vehicle Verizon Connect | \$ 540 | \$ 2,300 | \$ 2,400 | \$ 2,500 | \$ 2,600 | \$ 2,700 | \$ 2,800 | \$ 2,900 | |
| COMMUNICATIONS - RADIOS, ETC | \$ 7,900 | \$ 8,100 | \$ 8,100 | \$ 8,100 | \$ 8,300 | \$ 8,400 | \$ 8,400 | \$ 8,400 | \$ 8,400 |
| Communications Fiber - User Fee | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 | \$ 48,500 |
| Computer & Supplies | | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 5,000 |
| Dam Safety Consultant | \$ 62,000 | \$ 64,000 | \$ 66,000 | \$ 68,000 | \$ 70,000 | \$ 72,000 | \$ 74,000 | \$ 76,000 | |
| Electric Utilities - Secondary Power Feed | \$ 11,500 | \$ 11,800 | \$ 12,100 | \$ 12,400 | \$ 12,400 | \$ 12,400 | \$ 12,800 | \$ 12,800 | |
| Fall Protection Equipment | \$ 6,000 | \$ 6,000 | \$ 1,000 | \$ 1,000 | \$ 3,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 | \$ 4,000 |
| FERC Dam Movement Survey | \$ 8,400 | \$ 8,800 | \$ 8,800 | \$ 9,000 | \$ 9,000 | \$ 9,200 | \$ 9,200 | \$ 9,400 | |
| FR Clothing - CFP | \$ 9,500 | \$ 9,500 | \$ 10,000 | \$ 10,000 | \$ 10,500 | \$ 10,500 | \$ 11,500 | \$ 11,500 | |
| GARBAGE SERVICE - OPERATIONS | \$ 2,400 | \$ 2,400 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,700 | \$ 2,700 | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|---|---|------------|------------|------------|------------|------------|------------|------------|--|--|
| | Budget Year | | | | | | | | | |
| (Excludes Wages & Benefits) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| Operator Remote SCADA Communications | \$ 8,000 | \$ 9,000 | \$ 9,000 | \$ 9,000 | \$ 9,000 | \$ 9,000 | \$ 9,200 | \$ 9,200 | | |
| Operator Supplies - Dam | \$ - | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | | |
| Portable Restrooms - Dam | \$ - | | | | | | | | | |
| Respirator Fit Testing | | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | | |
| Rope Access Gear | \$ 3,000 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | \$ 4,500 | | |
| Security/Plant Locks | \$ 300 | \$ 300 | \$ 340 | \$ 340 | \$ 380 | \$ 380 | \$ 420 | \$ 420 | | |
| Sedimentation Report | | \$ 50,000 | | | | | | | | |
| Sedimentation Report Annual Updates | | \$ - | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | | |
| Sedimentation Survey | \$ 5,200 | \$ 5,800 | \$ 5,800 | \$ 6,000 | \$ 6,000 | \$ 6,200 | \$ 6,200 | \$ 6,400 | | |
| Shelving & Furniture | \$ 7,000 | | | | | | | | | |
| Subscriptions, Prints, Copies and Maps | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | | |
| ORRR | \$ 75,400 | \$ 105,000 | \$ 85,000 | \$ 85,000 | \$ 85,000 | \$ 85,000 | \$ 95,000 | \$ 95,000 | | |
| Major Office & Network Equipment | \$ 25,400 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | | |
| Security Improvements | \$ 50,000 | \$ 80,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 70,000 | \$ 70,000 | | |
| Special O&M | \$ 39,000 | \$ 57,300 | \$ 57,400 | \$ 57,500 | \$ 57,600 | \$ 57,700 | \$ 58,200 | \$ 58,300 | | |
| CF Vehicle and Equipment Fuel | \$ 15,000 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | \$ 31,200 | | |
| CF Vehicle Maintenance | \$ 12,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | \$ 15,000 | | |
| CONSUMABLE SUPPLIES - FIRST AID | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,400 | \$ 3,400 | | |
| CONSUMABLE SUPPLIES - JANITORIAL | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,300 | \$ 1,500 | \$ 1,500 | | |
| CONSUMABLE SUPPLIES - SAFETY & PPE | \$ 6,500 | \$ 6,600 | \$ 6,700 | \$ 6,800 | \$ 6,900 | \$ 7,000 | \$ 7,100 | \$ 7,200 | | |
| Recreation | \$ 2,016,800 | \$ 526,760 | \$ 567,660 | \$ 319,760 | \$ 593,460 | \$ 833,280 | \$ 334,780 | \$ 346,260 | | |
| O&M | \$ 416,800 | \$ 306,760 | \$ 307,660 | \$ 319,760 | \$ 320,460 | \$ 332,280 | \$ 334,780 | \$ 346,260 | | |
| Advertising | \$ 3,000 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | | |
| Boat Launch Sediment Removal | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | | |
| Building Maintenance | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | \$ 3,200 | | |
| Campground Fire Pits Graveling | \$ 500 | | | | | | | | | |
| Campground Hosts | \$ 120,000 | \$ 125,000 | \$ 130,000 | \$ 135,000 | \$ 140,000 | \$ 145,000 | \$ 150,000 | \$ 155,000 | | |
| Campground Internet | \$ 3,000 | \$ 3,200 | \$ 3,200 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,600 | \$ 3,600 | | |
| Campground Reservation Software | \$ 5,000 | \$ 5,200 | \$ 5,200 | \$ 5,400 | \$ 5,400 | \$ 5,400 | \$ 5,600 | \$ 5,600 | | |
| Campground Restroom Improvements | \$ 30,000 | | | | | | | | | |
| Campground Telephone | \$ 1,300 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,700 | \$ 1,700 | | |
| Campground Wood Chips | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | \$ 500 | | |
| Contract Septic and Water Services | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | \$ 27,000 | | |
| Contract Services (Backhoe, Gravel) | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| Contract Services (Dock Installation and Removal) | \$ 2,500 | \$ 2,700 | \$ 2,700 | \$ 2,700 | \$ 2,700 | \$ 2,700 | \$ 2,900 | \$ 2,900 | | |
| D-Loop Electrical Design & Feed Replacements | \$ 30,000 | | | | | | | | | |
| Electric Utilities | \$ 5,400 | \$ 11,500 | \$ 11,700 | \$ 11,900 | \$ 12,100 | \$ 12,300 | \$ 12,500 | \$ 12,700 | | |
| EQUIPMENT REPAIRS - PARK | \$ 3,200 | \$ 3,500 | \$ 3,700 | \$ 3,700 | \$ 3,700 | \$ 3,700 | \$ 4,200 | \$ 4,200 | | |
| GARBAGE SERVICE - RECREATION | \$ 6,400 | \$ 6,600 | \$ 6,600 | \$ 6,600 | \$ 6,600 | \$ 6,900 | \$ 6,900 | \$ 6,900 | | |
| Group B Annual Operating Fee - Falls Road Well | \$ - | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | \$ 60 | | |
| MAINTENANCE - GROUND | \$ 3,200 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,600 | \$ 3,600 | | |
| MAINTENANCE - SEWER & WATER SYSTEM | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | \$ 6,400 | | |
| Noxious Weed Control | \$ 5,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,000 | \$ 6,500 | \$ 6,500 | | |
| Operation Supplies | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,400 | \$ 2,400 | | |
| Port Blakely Road Access Agreement | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | | |
| Port Blakely Road Maintenance | \$ 13,500 | \$ 13,500 | \$ 14,000 | \$ 14,000 | \$ 14,500 | \$ 14,500 | \$ 14,500 | \$ 14,500 | | |
| Portable Restrooms | \$ 2,300 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | \$ 13,000 | | |
| Potable Water and Septic System Testing | \$ 2,000 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,200 | \$ 2,400 | \$ 2,400 | | |
| Recreation Assessment | \$ 90,000 | | | | | | | | | |
| Recreation Tree Removal | \$ - | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | | |
| Repairs & Supplies | \$ 10,000 | \$ 10,000 | \$ 11,000 | \$ 11,000 | \$ 12,000 | \$ 12,000 | \$ 12,900 | \$ 12,900 | | |
| Septic System Maintenance - Recreation | | \$ 6,000 | \$ - | \$ 6,000 | \$ - | \$ 6,000 | \$ - | \$ 6,000 | | |
| Sign Replacements | \$ 2,200 | \$ 2,500 | \$ 2,500 | \$ 2,600 | \$ 2,600 | \$ 2,720 | \$ 2,720 | \$ 2,800 | | |
| Tools & Equipment - Recreation | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,400 | \$ 3,400 | \$ 3,600 | \$ 3,600 | \$ 3,800 | | |
| ORRR | \$ 1,600,000 | \$ 220,000 | \$ 260,000 | | \$ 273,000 | \$ 501,000 | | \$ - | | |
| Campground & Day Use Park Paving | | \$ 150,000 | | | \$ 164,000 | | | \$ - | | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|---|---|------------|------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| | Budget Year | | | | | | | | | |
| (Excludes Wages & Benefits) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| Campground A Loop Restroom - Design | | \$ 60,000 | | | | | | | | |
| Campground A Loop Restroom - Installation | | | \$ 260,000 | | | | | | | |
| Campground Electrical Replacement - Design | | | | | \$ 64,000 | | | | | |
| Campground Electrical Replacement - Installation | | | | | | \$ 322,000 | | | | |
| Campground Storage Building - Design | | | | | \$ 45,000 | | | | | |
| Campground Storage Building - Installation | | | | | | \$ 179,000 | | | | |
| Copper Canyon Take Out Site Improvements | \$ 1,600,000 | | | | | | | | | |
| Day Use Park Flat Water Kayak Take Out | | \$ 10,000 | | | | | | | | |
| Taxes | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 |
| O&M | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 | \$ 65,100 |
| County Taxes | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 | \$ 700 |
| Ecology Water Tax | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 | \$ 7,500 |
| Privilege Tax | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 | \$ 56,900 |
| Training & Travel | \$ 215,650 | \$ 135,910 | \$ 129,060 | \$ 91,400 | \$ 90,300 | \$ 82,300 | \$ 80,700 | \$ 80,700 | \$ 80,700 | \$ 80,700 |
| O&M | \$ 191,850 | \$ 109,110 | \$ 112,760 | \$ 67,100 | \$ 63,500 | \$ 64,500 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| American Fisheries Society Meeting | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 | \$ 1,500 |
| American Governor Anaing Gov Training | \$ 7,000 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 | \$ 8,500 |
| American Governor School | | \$ 8,000 | \$ 8,000 | | | | | | | |
| ASDSO Conference | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 | \$ 2,500 |
| AVO Circuit Breaker Maintenance | | | \$ 5,000 | | | | | | | |
| AVO Electrical Series | \$ 4,350 | \$ 4,350 | | | | | | | | |
| AVO Substation Maintenance I | | \$ 5,000 | \$ 5,000 | | | | | | | |
| AVO Thermography I | | \$ 5,000 | | | | | | | | |
| AVO Thermography II | | | \$ 5,000 | \$ 5,000 | \$ 5,000 | | | | | |
| CEAT - ANNUAL MEETING | \$ 3,000 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 | \$ 10,500 |
| CEAT - ASSET Management Meeting | | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 | \$ 1,800 |
| CEAT - DSIG MEETING | \$ 2,200 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 |
| CEAT - IIPDG MEETING | | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 | \$ 4,400 |
| CEAT - HPLUG MEETING | \$ 2,800 | | | | | | | | | |
| EPTC Fundamentals of Electricity | \$ 7,200 | | | | | | | | | |
| EPTC Generation Series | \$ 3,600 | | | | | | | | | |
| EPTC Power Plant Operation | | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 | \$ 7,000 |
| EPTC Relay Protection | | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 | \$ 3,500 |
| EPTC Switching & Grounding | | \$ 7,000 | \$ 7,000 | | | | | | | |
| EPTC System Operations Personal Grounding | \$ 1,260 | \$ 1,260 | \$ 1,260 | | | | | | | |
| EPTC Transmission Series | \$ 3,600 | \$ 3,600 | \$ 3,600 | \$ 3,600 | | | | | | |
| HSI Online Training | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 |
| HydroVision | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 | \$ 3,000 |
| NW Hydro Forum | \$ 800 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 |
| NWHA - ANNUAL MEETING | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 |
| NWHA - WORKSHOP | \$ 500 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 |
| NWPPA - LEADERSHIP TRAINING | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 | \$ 3,400 |
| OPERATOR TRAINING DEVELOPMENT 2022 | \$ 130,000 | | | | | | | | | |
| TPC - ELECTRICAL WORKSHOP | \$ 4,350 | \$ 6,000 | \$ 3,000 | | | | | | | |
| TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING | \$ 2,390 | \$ 2,400 | \$ 2,400 | | | | | | | |
| TRAINING - CRANE | | \$ 4,000 | \$ 6,000 | | | \$ 6,000 | | | | |
| TRAINING - MANLIFT/FORKLIFT | | | \$ 4,000 | | | | | | | |
| TRAINING - PESTICIDE APPLICATION | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 | \$ 1,600 |
| TRAINING - WATER & WASTEWATER | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 | \$ 1,200 |
| Wildlife Classes | \$ 4,000 | \$ 4,000 | \$ 4,000 | | | | | | | |
| Special O&M | \$ 23,800 | \$ 26,800 | \$ 16,300 | \$ 24,300 | \$ 26,800 | \$ 17,800 | \$ 30,700 | \$ 30,700 | \$ 30,700 | \$ 30,700 |
| ARC FLASH TRAINING | | \$ 3,000 | | | | | | \$ 3,000 | | |
| NWPPA - ADMIN ASST TRAINING | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 | \$ 2,400 |
| TRAINING - COMPUTER | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 800 | \$ 1,000 | \$ 1,000 | \$ 1,000 |
| Training - Confined Space | | \$ 8,000 | | | \$ 10,000 | | | | \$ 11,000 | |
| TRAINING - FALL PROTECTION | \$ 8,000 | | | \$ 8,000 | | | | \$ 8,000 | | |

| | 2023 - 2029 CFP Budget Estimates (2022 for reference) | | | | | | | | | |
|--|---|----------------------|---------------------|----------------------|----------------------|---------------------|---------------------|---------------------|--|--|
| | Budget Year | | | | | | | | | |
| (Excludes Wages & Benefits) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | | |
| TRAINING - ROPE ACCESS | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 8,000 | \$ 9,000 | \$ 10,000 | \$ 10,000 | | |
| WPUDA - ADMIN ROUNDTABLE | \$ 600 | \$ 600 | \$ 600 | \$ 600 | \$ 600 | \$ 600 | \$ 800 | \$ 800 | | |
| WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING | \$ 4,000 | \$ 4,000 | \$ 4,500 | \$ 4,500 | \$ 5,000 | \$ 5,000 | \$ 5,500 | \$ 5,500 | | |
| Transmission | \$ 63,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | | |
| O&M | \$ 63,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 62,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | | |
| ROW Maintenance | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | \$ 60,000 | | |
| Transmission Line Corridor Planting | \$ 3,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | | | | | |
| Wheeling | \$ 768,000 | \$ 791,000 | \$ 815,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | | |
| Wheeling | \$ 768,000 | \$ 791,000 | \$ 815,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | | |
| Transmission Wheeling - Offset Entry | \$ 768,000 | \$ 791,000 | \$ 815,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | \$ 839,000 | | |
| Grand Total | \$ 8,846,230 | \$ 19,441,670 | \$ 7,731,620 | \$ 12,303,360 | \$ 13,922,150 | \$ 8,226,250 | \$ 7,742,080 | \$ 6,671,110 | | |
| | | \$ 18,650,670 | | | | | | | | |

| BPA Question | Lewis Response |
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| Is this Tacoma's responsibility? | |
| Since the adult fish program is managed by Tacoma, please explain Tacoma's role along with Lewis. For example, are you all cost sharing this effort? Please provide any agreements or MOU with Tacoma pertaining to this issue. | In BIOP, needed to build an adult fish release site. Conjunction with US Forest Service, and Tacoma. Is havin operational issues. Have a split cost with Tacoma, have responsibility to pay. Sometimes cost share is 50/50, this is rough and a placeholder. |
| Expenditures would be helpful to answer this question. How much was done last year and what is remaining to be completed in FY23? | Use existing flood draw down, extend it for a few days to do sediment removal. This is contingency if drawdown doesn't happen. BIOP mitigation, plant 25k rainbow trout in day use fishing pond and reservoir. |
| Need additional information for this project and associated costs and justification in a justification sheet. | Did receive grant funding from lower columbia fish recovery. Put these in as placeholders, uncertain of costs to the district. |
| Under legal review. BPA cannot support finding at this time. | |
| Why does this need to be purchased now? | |
| Why does this need to be purchased now? | |
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| BPA Question | Lewis Response |
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| Please provide current LRP for BPA review and justification for necessity of perpetual costs. | Need to get the new program setup and then run annually. Did not agree to final method last year with BPA. Need to kickstart for FY24. |
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| Please provide reasoning for the bridge inspection for FY23. Is it on a cyclic schedule that is best engineering practice or requirement? | Dam is series of bridges and sections. Never has been looked at, need to determine frequency of bridge inspections etc. No known issues, but want to check. Wasn't designed with concrete movement consideration. Have done local repair, but need deeper view. |
| Are these costs shared with Lewis | |
| Are these costs shared with Lewis | |
| Are these costs shared with Lewis | |
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| Is this repair of instrumentation? | |
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| Is this repair of the debris box? | |
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| Do you have annual diving needs or is this a retainer? | |
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| Is this repair or addition of a new sensor? | |
| Why does this need to happen now? | |
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| Are these spare parts? | |
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| What is this for? | |
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| Is this a replacement? | |
| Is this a replacement? | |
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| BPA Question | Lewis Response |
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| Why the increase? | |
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| Why wasn't this included in '22? Should have? | |
| Are these costs the support contract for the software? What is difference between construction software? | Have not selected a system yet, have reviewed them and looking to adopt smaller scale system. |
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| Prior rock scaling was estimated to be good for 6-7 years. Please provide reasoning this cost expenditure is required in FY23 | Prices have increased, didn't complete the full scope, will be on a 5 year cycle. Need to split some costs with Tacoma as it's their responsibility. |
| Is this sensor new or replacing a broken one? | |
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| Need more detail as for this line item. | District resource, as needed, based on actuals, do metering stuff. Should be included in labor. Late minute addition and should in the future be included with labor. |
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| What is the driver for the \$80k increase from FY22 | No actuals yet, do not have programmer on staff, need to contract it, Chris Roden wanted to use this number initially and see what actuals are later...FY22 actuals needed, not sure what costs will be. |
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| Why? Are there tests showing an emergent need? | |
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| Why this year? | |
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| What are these offices for? Why the large charge in FY23 and assuming that they will be leased? | Waiting on permit, need to continuously monitor well water. Will update tank. New temporary offices cannot be supported by existing well. FY23 includes boat and offices. Needed to add office space that isn't in the dam. |
| Why the large increase? | |
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| Why the need now? | |
| Are these leaking and is one year unit 1 and this year unit 2? | |

| BPA Question | Lewis Response |
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| Updated JS required. | |
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| BPA Question | Lewis Response |
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| Why the increase? | |
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| Why the increase? | |

| BPA Question | Lewis Response |
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| What is this for? | |
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| Why has cost doubled from FY22? | Estimate includes future cost of fuel. Could reduce estimate to FY22 since gas prices are lowering. |
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| Was this work completed in '22? | |
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| Was this work completed in '22? | |
| Why the increase? | |
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| Are these costs based on estimates? | |

| BPA Question | Lewis Response |
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| Additional follow up: | |
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| BPA needs to understand the drivers, need and priority. Has any regulatory body say that it is currently deficient? What are the impacts and consequences to leave as is or defer? What agreements or MOU's are in place with Tacoma regarding this issue? Does this actually qualify as maintenance under the agreement with Tacoma? | |
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| What is the criteria for when this needs to be done? What monitoring shows when this needs to be performed? LCPUD has \$350k in reserves. This seems to be an ideal use if draw down happens. | |
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| Additional follow up: | |
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