

Status	In	R0	R1	BPA Question
	Sonar & Turbidity Sensors			
	South Downstream Abutment Wall Handrail			
	South Well Pumps			
	Spillway 1 Apron Repairs			
	Spillway 1 Apron Repairs - Alternative Analysis			
	Spillway 1 Apron Repairs - Design			
	Spillway 4 Gate Uplift Anchoring			
4	Spillway 4 Rail Extension - Construction	\$ 3,768,300	\$ 3,768,300	Is this an addition to capability?
	Spillway 4 Rail Extension - Design			
4	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	\$ 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 Arrester Replacement			
	Tailrace Repairs & Improvements - Alternative Analysis			
	Tailrace Repairs & Improvements - Design			
	Tailrace Repairs & Improvements - Installation			
4	Transmission Line Access - Bridge Replacement	\$ 275,000	\$ 75,000	Is this expense?
	Trash Rake - Alternative Analysis			
	Trash Rake Construction			
4	Trash Rake Design	\$ 191,000	\$ 191,000	Does this need to be completed this year?
	Trash Removal System - Alternative Analysis			
	Trash Removal System - Construction			
4	Trash Removal System - Design	\$ 300,000	\$ 300,000	Is this part of the trash rake design?
4	Unit: Instrumentation - Alternative Analysis	\$ 45,000	\$ -	The title sounds like a study or expense.
	Unit: Instrumentation - Design			
	Unit: Instrumentation - Installation			
4	Unit: Turbine Gage Board Inputs into SCADA - Installation	\$ 35,000	\$ 35,000	
	<b>Operations</b>	<b>\$ 105,000</b>	<b>\$ 105,000</b>	
1	Major Office & Network Equipment	\$ 25,000	\$ 25,000	
1	Security Improvements	\$ 80,000	\$ 80,000	
	<b>Recreation</b>	<b>\$ 220,000</b>	<b>\$ 70,000</b>	
4	Campground A Loop Restroom - Design	\$ 60,000	\$ 60,000	Has the current restroom failed? How close to failure
	Campground A Loop Restroom - Installation			
4	Campground & Day Use Park Paving	\$ 150,000	\$ -	Are these costs based on estimates?
	Campground Electrical Replacement - Design			
	Campground Electrical Replacement - Installation			
	Campground Storage Building - Design			
	Campground Storage Building - Installation			
	Copper Canyon Take Out Site Improvements			
2	Day Use Park Flat Water Kayak Take Out	\$ 10,000	\$ 10,000	
	<b>Project Revenue</b>	<b>\$ 99,000</b>	<b>\$ 295,000</b>	
1	Campground Revenue (Net of Service Fees)	95000	95000	
1	Interest Income	4000	200000	

Status	In	RO	R1	BPA Question



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 - Not enough information to have certainty of costs and responsibility. Defer until figure out Tacoma's cost share and details figured out. Need to review MOU's and gain understanding of organizational responsibility. 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?</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 to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Dependent on flows/floods, determine if needed during operating year and if there is under runs to cover. These activities qualify for the \$350k that is set up for contingency events.</p> <p>Mitigation requirement.  Mitigation requirement.  Important, but not critical.  Mitigation requirement.  Remove - Per Lewis, they can't find contractor, will train staff to perform duties.</p> <p>Dam safety and operationally important  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 imminent failure  Defer - not imminent failure  Defer - Does not seem critical, need more specific information on scope and sections that "need" inspection along with updated costs. Information provided to date does not demonstrate critical need to be included in FY23 budget. Can place on defer list and execute during the OY if funds are available in under-runs. Was an analysis completed for the section of dam regarding the Spillway 4 Crane Rail Extension? If so, is that analysis included in this analysis?</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>Move to Exhibit F</p>
<p>These cost are based on Cowlitz Falls usage</p>	<p>Move to Exhibit F</p>
<p>These cost are based on Cowlitz Falls usage</p>	<p>Defer - Not certain of the need and benefit. No large construction program at the relatively small project and doesn't appear to be complex enough to warrant construction management software. And, assume that contractors would be managing their work with their own software.</p>
<p>Yes, these are required annual inspections</p>	<p>Annual requirement.  Critical to operations  Important, but not critical.  Critical to operations  New item, uncertain of justification.</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>Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs. \$350k fund can cover.</p>
<p></p>	<p>Ok - routine work.</p>

Lewis Response	BPA Narrative
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. We occasionally, need divers for inspecting the unit trash racks during periods of debris build up.	Ok - recurring need to support maintenance. Defer - no clear need for this year.
This is for a new sensor. We currently do not have level indication in our drainage sump. We do have high level alarms. This is to get ahead of oil containment/skimming/processing issues.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue or relatively high risk. Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue. Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is a general maintenance item for annual repairs and parts.	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is generally for replacement parts, some small construction projects, and some spare parts	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is an annual fee for access to pricing for rental and contractual fee. This is used in writing and enforcing contracts.	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. Important as it is additional safety but not critical. Critical, fire protection - need to make more permanent as it's temporary now. Material cost. And, a safety item providing fire protection.
The generator bus boots would cover bus connections not currently covered.	Critical, reliability of generating equipment - Annual parts, do one per year. Based on condition. Materials.
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 - critical spare part.
This is for a spare jockey pump for the governor system.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
This is to add level indication for the governor oil sump.	
This is for maintenance parts and some contractual services.	Important for climate control - materials and contractual services when needed Critical - office safety
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is mostly for replacement of various instrumentation in the plant. There is some new instrumentation in the plant.	Critical for debris removal.
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
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.	
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.	Important but not critical. Could help with efficiency of conducting maintenance and condition assessment and equipment history.
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
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Lewis Response	BPA Narrative
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. Would like to review the justification of continuation of North Rock Wall Scaling work (study, proposal etc.)? What has changed since original discussion of work, why did costs increase? Will now need a justification sheet.
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 - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
We do not have oil tank level sensors. This is a new sensor.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
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.
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.	Important - no clear need, seems more important.
	Critical - plant personnel safety.
	Critical - plant personnel safety.
	Critical for plant reliability and monitoring.
	Critical - Safety PPE
	Critical for remote monitoring and operations.
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.	Defer - Need to validate costs through tracking expenses.
	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.	Critical due to equipment condition and lack of functionality.
	Important - VFD's no longer supported.
	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.	Defer - not an urgent need.
The office are 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.
	Critical for day to day operations.
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 transformer maintenance and generation reliability.
This is for Verizon service to provide communication to our turbidity sensors.	
We do not have turbine oil level indication. This will assist us in determine if we have any oil leakage.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
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.

Lewis Response	BPA Narrative
	Defer - no urgent requirement or need.
	Important - allows monitoring of oil for equipment condition monitoring.
	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
	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
	Critical for operation of facility
We have new employees that need to get outfitted.	Critical for safety
Yes, this is contracted.	Requirement of FERC License
This is purchased through a selected vendor.	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
This is to cover the equipment that we use 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 management plan for Cowit Falls. This will also satisfy a FERC requirement for a sediment management plan. WA DEQ requires a plan '27 requirement.	
	Defer - can defer until '24 to '26 in light of high budget amount and demonstrated needs in other areas.
	Operational requirement
	This is a new item not in the original budget request and conflicts with other line items requesting furnishing.
	Important for operational support
	Critical for operations
Yes, this is contracted. This clears out the boat 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
	Defer - Not critical, currently have furnishings.
	Critical support of personnel.
	Defer - no urgent need or safety of visitors issues cited.
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 cons 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 cons in '22
This is a more accurate cost based on actuals. Actuals thru July are \$6,736, and the monthly cost is \$963.	Critical - based on actuals, important for campground operations
	Critical - support of parks
	Critical - safety of visitors and personnel
	Critical - operations
	Critical - operations
No. This is for material and supplies for grounds maintenance.	Critical - operations, safety of visitors

Lewis Response	BPA Narrative
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 currently 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 line item is to pump out our septic system tanks and vaults. Line item 304 is for contractual services to assist us with our septic and water systems.	Critical - operations and maintenance
	Critical - operations and maintenance
	Critical - operations and maintenance
	Important - not critical
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Lewis Response	BPA Narrative
	Important - not critical
	Important - not critical
	Joint Lewis County PUD partial support of Cowlitz Falls Project. This needs updating to integrate other line items for software.
	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.	Need to review actual costs of membership per year. As previous years may have been increased to accommodate 15 month fiscal year.
	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.	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. Do they have a process of scanning documents with current staff? What is the plan for the long term?
	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 - Costs are uncertain, Not sure BPA endorses grant work.
	Critical - business requirement
	Critical - business requirement
	Critical - business requirement
	Critical - business requirement
	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.	Important work for long range planning.
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 Cowlitz Falls documents.	Important - close to completion. Needs to be completed before document retention work. Do they have a process of record retention? What is the plan for the long term?
Estimate includes future cost of fuel. Could reduce estimate to FY22 since gas prices are lowering. Actuals thru July are \$14,170, and the average is \$2,000 a month	Critical - plant support
	Critical - plant support
	Critical - plant support
	Critical - plant support
	Critical - plant support
This is general training for this position. There are several classes that this employee will take to continually develop.	Critical - Safety Training
	Important - not critical
	Important - not critical
	Critical - safety
	Critical - safety
	Important - not critical

Lewis Response	BPA Narrative
This training will take several years to complete.	Important - not critical
	Need to discuss additional labor added to Cowlitz Falls. Looking for reasonable workload increase and expected FTE allocation as appropriate. Compare previous years and staffing to any new requirements.
	Defer - Need Actual Costs before agreement - too many unknowns concerning costs.
	Defer - not critical
	Defer - legal
	Ok - this is a typical equipment for the facility. However, cost estimate seems high.
	Remove - purchasing in '22

Lewis Response	BPA Narrative
	Important - supports other work and already design complete.
	Defer - design is not complete, size seems still under consideration therefore costs could be different. Would recommend a design and sizing be done before requesting funds.
	Defer - not imminent failure
	Defer - not imminent failure
	Critical for safety of public
	Defer until permit is received, alternatives discussed, security benefit described and design complete for more accurate estimate of construction. Construction work window is Nov - Feb so expenditures should be separated and staged, design, procurement and then install.
	Defer until USACE permit received, could be several years.
	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. Not required until '25 to satisfy WECC/NERC.
	Critical - office safety
	Important - work already in flight.
	Critical - security of facility
	Important - VFD's no longer supported.
	Defer - Need more discussion, can defer as it is not urgent



Lewis Response	BPA Narrative
	Project already in flight, costs may change when bids are received. Need more conversation and analysis and justification.
	Defer - not an urgent need.
	Important - additional ability to monitor operations.
	Defer - no urgent need. Will need further investigation of options.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etc for coordinating the collection and removal of debris.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etc for coordinating the collection and removal of debris.
	Defer - no urgent requirement or need.
	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.
	Important - support of recreational users.

























Subnet	2022	Status	Subtotal	%
O&M	\$ 3,944,235	Accepted	\$ 1,521,335	39%
		Additional Info Needed	\$ -	0%
		Remove	\$ 2,422,700	61%
Special O&M	\$ 5,164,540	Accepted	\$ 5,064,540	98%
		Additional Info Needed	\$ -	0%
		Remove	\$ 100,000	2%
OR&R	\$ 14,432,900	Accepted	\$ 2,200,100	15%
		Additional Info Needed	\$ 120,000	1%
		Remove	\$ 12,112,800	84%
Grand Total	\$ 23,541,675	Accepted	\$ 8,786,175	37%
		Additional Info Needed	\$ 120,000	1%
		Remove	\$ 14,635,500	62%
		Remaining	\$ -	

	Budget Year		2023 (Supported)	% Change from '23 Request	Difference		FY22
	2022	2023 (Requested)					
<b>2023 - 2029 O&amp;M</b>							
Fish & Wildlife	\$ 210,380	\$ 229,440	\$ 124,440	46%	\$ 105,000	O&M	\$ 3,119,480.00
Maintenance	\$ 1,767,950	\$ 2,593,700	\$ 641,000	-75%	\$ 1,952,700	Special O&M	\$ 4,180,950.00
Operations	\$ 330,040	\$ 302,600	\$ 212,600	-30%	\$ 90,000	OR&R	\$ 4,004,670.00
Recreation	\$ 416,800	\$ 455,760	\$ 180,760	-60%	\$ 275,000	Grand Total	\$ 11,305,100.00
Taxes	\$ 65,100	\$ 65,100	\$ 65,100	0%	\$ -		
Training & Travel	\$ 191,850	\$ 97,735	\$ 97,735	0%	\$ -		
Transmission	\$ 63,000	\$ 62,000	\$ 62,000	0%	\$ -		
Wage, Benefits, & Taxes	\$ 113,360	\$ 137,900	\$ 137,900	0%	\$ -		
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,158,480</b>	<b>\$ 3,944,235</b>	<b>\$ 1,521,535</b>	<b>61%</b>	<b>\$ 2,422,700</b>	<b>\$ 2,422,700</b>	
<b>2022 - 2023 Special O&amp;M</b>							
General	\$ 1,004,700	\$ 1,169,040	\$ 1,069,040	-9%			
Operations	\$ 39,000	\$ 48,600	\$ 48,600	0%			
Training & Travel	\$ 23,800	\$ 26,800	\$ 26,800	0%			
Wage, Benefits, & Taxes	\$ 3,113,450	\$ 3,920,100	\$ 3,920,100	0%			
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,180,950</b>	<b>\$ 5,164,540</b>	<b>\$ 5,064,540</b>	<b>-2%</b>			
<b>2022 - 2023 OR&amp;R</b>							
Fish & Wildlife		\$ 170,000	\$ -	-100%			
Fleet	\$ 37,000	\$ 85,000	\$ 85,000	0%			
Maintenance	\$ 2,292,270	\$ 14,002,900	\$ 2,000,100	-86%			
Operations	\$ 75,400	\$ 105,000	\$ 105,000	0%			
Recreation	\$ 1,600,000	\$ 70,000	\$ 10,000	-86%			
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 14,432,900</b>	<b>\$ 2,200,100</b>	<b>-85%</b>			
Project Revenue		\$ 295,000	\$ 295,000	0%			
<b>Grand Total (All Items)</b>	<b>\$ 11,344,100</b>	<b>\$ 23,246,675</b>	<b>\$ 8,491,175</b>	<b>-63%</b>			

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)

2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget Year	Expended
(Excludes Wages & Benefits)	2022	
<b>Fish &amp; Wildlife</b>	\$ 210,380	\$ 91,491
<b>O&amp;M</b>	\$ 210,380	\$ 91,491
Creel Study	\$ 18,000	15039
Fish & Wildlife Contract Services (RTL Consulting)	\$ 10,000	1512
Fish Gate Position Indicators	\$ 32,000	31240
Fishing Pond Sediment Removal	\$ 30,000	0
Habitat & Fish Recovery Services (WDFW)	\$ 10,000	0
Habitat Management: Fertilizer, Spraying, Plants	\$ 9,000	-366
Kid's Trout Derby	\$ 5,400	2880
Mitigation Trout Program	\$ 45,000	0
Noxious Weed Control Contractor	\$ 9,300	0
USGS Gauging Station Fees	\$ 41,600	41091
<b>American Fisheries Society (AFS) Membership</b>	\$ -	105
Wildlife Society Membership	\$ 80	0
<b>OR&amp;R</b>	\$ -	-
<b>Fleet</b>	\$ 37,000	\$ 18,095
<b>OR&amp;R</b>	\$ 37,000	\$ 18,095
Mower	\$ 22,000	18095
Vehicle	\$ 15,000	0
<b>General</b>	\$ 1,004,700	\$ 1,082,745
<b>Special O&amp;M</b>	\$ 1,004,700	\$ 661,985
A&G Exhibit F	\$ 371,600	247736
ASDSO - Government Membership	\$ -	55
Auditing - Accountability	\$ 2,300	0
Auditing - Financial	\$ 19,000	18524
CEATI - MEMBERSHIP	\$ 65,300	0
CEATI - PROJECTS	\$ 30,000	0
Compliance Consultant	\$ 65,000	35557
FERC Annual Fee	\$ 100,000	102192
Fire District Payment	\$ 19,500	0
INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$ 7,200	4018
INSURANCE - EXCESS LIABILITY	\$ 25,000	34064
INSURANCE - LIABILITY	\$ 10,500	0
INSURANCE - PROPERTY	\$ 200,000	198047
LEGAL SERVICES - BIOP & FERC ISSUES	\$ 24,200	5143
LEGAL SERVICES - GENERAL ISSUES	\$ 20,000	13328
Long Range Plan Analysis	\$ 35,000	405
NWHA Membership	\$ 800	0
OFFICE SUPPLIES AND EXPENSES	\$ 9,300	2916
<b>Maintenance</b>	\$ 4,060,220	
<b>O&amp;M</b>	\$ 1,767,950	\$ 392,649
ARC FLASH STUDY	\$ 35,000	0
Automatic Transfer Switch Grouting	\$ 1,000	0
Buffer Zone Management	\$ 3,200	0
CAD Software Licensing	\$ 4,500	1978
Computer Software	\$ 2,000	0
Construction Management Software	\$ 12,000	0
Contract Crane Inspections	\$ 12,600	0
Contract Diesel Generator Maintenance	\$ 10,000	8676



Contract Drafting Services	\$ 50,000	0
Contract Maintenance Elevator	\$ 15,200	14020
Control Room / Office Area Repairs - Construction	\$ 586,030	65282
Control Room / Office Area Repairs - Design	\$ 7,500	0
Control Room Paperless Recorders	\$ 42,000	0
Dam Instrumentation	\$ 2,200	0
Debris Removal - Trash Rake Debris Box	\$ 6,000	1723
Diesel Generator Connection to Spillway Gates 2 & 3	\$ 14,000	0
Diesel Generator Load Bank	\$ 8,500	12077
Diving Services	\$ 16,500	0
Drainage Pump Handrail	\$ 2,500	1627
Drainage System	\$ 3,000	0
Electrical Parts	\$ 5,400	540
Equipment Rental	\$ 17,000	6813
Equipment Watch (Computer Software)		2684
Governor	\$ 4,000	4822
GSU Transformer #1 Metering CT Replacement	\$ 15,000	4963
GSU Transformer Maintenance	\$ 3,240	0
GSU Transformer Oil Processing & Testing	\$ 165,780	0
HVAC	\$ 3,200	0
Instrumentation Parts	\$ 5,400	0
Investigate Draft Tube Liner Issues	\$ 25,000	0
MAINTENANCE - LOG BRONC	\$ 1,000	644
Maintenance Management System	\$ 15,000	0
Maintenance Mobile Crane		398
Maintenance Supplies for Electric Plant	\$ 5,400	3466
Mechanical & Piping	\$ 9,000	5189
Mechanical Parts	\$ 10,600	7769
Metal	\$ 10,000	0
Maintenance Mobile Crane		398
North Rock Wall Scaling	\$ 75,000	82889
Painting & Special Coatings	\$ 3,200	0
Piezometer Pressure Transmitters	\$ 18,000	0
Plant Lighting	\$ 1,000	0
Plant Water Wells & Testing	\$ 1,200	0
Protection and Control Support		5893
Recoat Top Deck Above Control Room	\$ 3,500	0
Repaint Elevator Shaft Exterior	\$ 1,500	0
Repaint Stairwell Interior	\$ 500	0
Rotor Braided Jumpers	\$ 10,000	0
Safety Equipment - Non PPE	\$ 5,000	2422
Sandblast and Coat Draft Tube Platform Brackets	\$ 3,000	0
SCADA Network Support	\$ 10,700	1395
SCADA Support	\$ 120,000	18037
Seismic Study	\$ 150,000	85165
Service Air Compressor	\$ 1,000	0
Service Water System Design	\$ 2,500	0
SMAAG Power Connection & Cable	\$ 4,500	2328
Smoke Detectors & Fire Water Systems	\$ 2,600	310
Spillway Gates	\$ 5,000	0
Tools & Equipment - Operations	\$ 15,000	18768

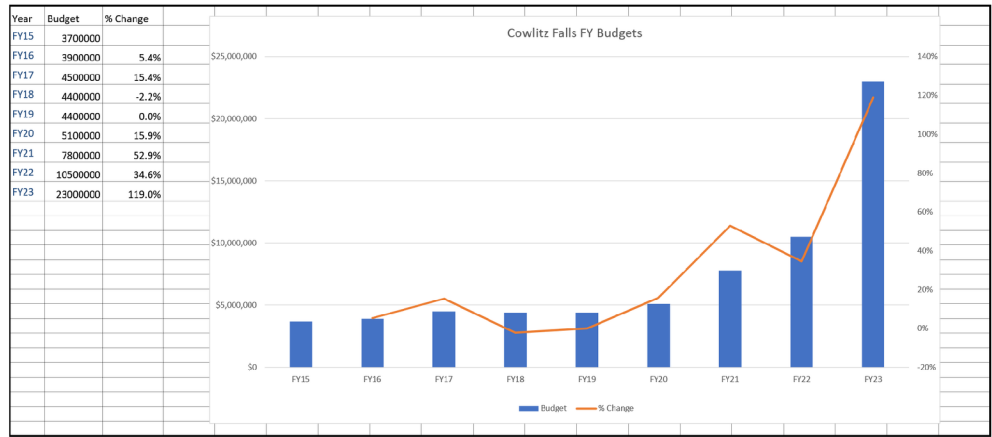
Trunnion Friction Testing	\$ 65,000	5951
Turbidity Sensor Communication	\$ 1,000	0
Turbine Shaft Seals	\$ 30,000	26396
Unit Control Board Meter Replacement	\$ 42,000	0
Unit Turbine Gage Board Inputs into SCADA - Design	\$ 4,000	0
Warehouse Repairs	\$ 64,000	26
<b>OR&amp;R</b>	<b>\$ 2,292,270</b>	<b>\$ 929,480</b>
5-Ton Bridge Crane	\$ 490,000	0
Boat Barrier Replacement - Alternative Analysis	\$ 35,000	35000
Boat Barrier Replacement - Design	\$ 41,375	41375
Debris Barrier Coating & Cathodic Protection - Design	\$ 60,000	58079
Elevator Roof Access - Design	\$ 10,000	0
Exciter Brush Dust Vacuum System	\$ 92,200	0
Generator Hatch Cover Seals & Drains	\$ 25,000	5521
Lathe	\$ 18,000	23171
Mobile Diesel Generator & Log Bronc Cover	\$ 25,000	0
New Facility - Site Preparation	\$ 60,000	36174
Revenue Meters	\$ 24,000	0
Roadway Gates	\$ 12,000	0
Roadway Lighting	\$ 20,000	0
Sluice Gate Replacement - CFD & Physical Model Design	\$ 115,605	122031
Sluice Gate Replacement - Design 1	\$ 372,000	0
Sonar & Turbidity Sensors	\$ 25,000	47897
South Downstream Abutment Wall Handrail	\$ 27,000	0
Spillway 4 Rail Extension - Design	\$ 330,025	219368
Spillway Gate Hoist Covers - Construction	\$ 95,000	0
Spillway Gate Hoist Covers - Design	\$ 25,000	0
Spillway Handrail & Guardrail	\$ 226,585	228856
Trash Rake - Alternative Analysis	\$ 86,850	76500
Trash Removal System - Alternative Analysis	\$ 76,630	35508
<b>Operations</b>	<b>\$ 405,440</b>	
<b>O&amp;M</b>	<b>\$ 291,040</b>	<b>\$ 117,566</b>
1D Sediment Transport Study	\$ 100,000	8454
Advertising		874
CFP Cell Phones	\$ 1,600	6286
CFP Telephones	\$ 7,000	7090
CFP Vehicle Verizon Connect	\$ 540	1510
COMMUNICATIONS - RADIOS, ETC	\$ 7,900	628
Computer and Supplies		12874
Communications Fiber - User Fee	\$ 48,500	13060
Dam Safety Consultant	\$ 62,000	25826
Electric Utilities - Secondary Power Feed	\$ 11,500	3643
Fall Protection Equipment	\$ 6,000	5453
FERC Dam Movement Survey	\$ 8,400	2717
FR Clothing - CFP	\$ 9,500	8126
GARBAGE SERVICE - OPERATIONS	\$ 2,400	1737
Operator Remete SCADA Communications	\$ 8,000	7114
Operator Supplies - Dam		1969
Portable Restrooms - Dam		300
Respirator Fit Testing		1484
Rope Access Gear	\$ 3,000	0

Security/Plant Locks	\$ 300	0
Sedimentation Survey	\$ 5,200	0
Shelving & Furniture	\$ 7,000	7583
Subscriptions, Prints, Copies and Maps	\$ 2,200	838
<b>OR&amp;R</b>	<b>\$ 75,400</b>	<b>\$ 15,899</b>
Major Office & Network Equipment	\$ 25,400	0
Security Improvements	\$ 50,000	15899
<b>Special O&amp;M</b>	<b>\$ 39,000</b>	<b>\$ 30,779</b>
CF Vehicle and Equipment Fuel	\$ 16,000	16035
CF Vehicle Maintenance	\$ 12,000	6712
CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200	100
CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300	955
CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,500	6927
<b>Recreation</b>	<b>\$ 2,011,800</b>	
<b>O&amp;M</b>	<b>\$ 411,800</b>	<b>\$ 127,814</b>
Advertising	\$ 3,000	3489
Boat Launch Sediment Removal	\$ 5,000	0
Building Maintenance	\$ 3,200	992
Campground Fire Pits Graveling	\$ 500	612
Campground Hosts	\$ 120,000	0
Campground Internet	\$ 3,000	669
Campground Reservation Software	\$ 5,000	0
Campground Restroom Improvements	\$ 30,000	91
Campground Telephone	\$ 1,300	1059
Campground Wood Chips	\$ 500	0
Contract Septic and Water Services	\$ 27,000	12706
Contract Services (Dock Installation and Removal)	\$ 2,500	0
D-Loop Electrical Design & Feed Replacements	\$ 30,000	47766
Electric Utilities	\$ 6,400	6736
EQUIPMENT REPAIRS - PARK	\$ 3,200	1514
GARBAGE SERVICE - RECREATION	\$ 6,400	4841
Group B Annual Operating Fee - Falls Road Well		60
MAINTENANCE - GRCOND	\$ 3,200	4947
MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400	12821
Noxious Weed Control	\$ -	
Operation Supplies	\$ 2,200	1073
Port Blakely Road Access Agreement	\$ 30,000	0
Port Blakely Road Maintenance	\$ 13,500	0
Portable Restrooms	\$ 2,300	5005
Potable Water and Septic System Testing	\$ 2,000	1762
Recreation Assessment	\$ 90,000	0
Recreation Tree Removal		10710
Repairs & Supplies	\$ 10,000	8307
Sign Replacements	\$ 2,200	480
Tools & Equipment - Recreation	\$ 3,000	2174
<b>OR&amp;R</b>	<b>\$ 1,600,000</b>	<b>\$ 652,689</b>
Copper Canyon Take Out Site Improvements	\$ 1,600,000	652689
<b>Taxes</b>	<b>\$ 65,100</b>	
<b>O&amp;M</b>	<b>\$ 65,100</b>	<b>\$ 35,316</b>
County Taxes	\$ 700	732
Ecology Water Tax	\$ 7,500	0

Business and Sales Tax		584
Privilege Tax	\$ 56,900	34000
<b>Training &amp; Travel</b>	<b>\$ 215,650</b>	
<b>O&amp;M</b>	<b>\$ 191,850</b>	<b>\$ 75,037</b>
American Fisheries Society Meeting	\$ 1,500	0
American Governor Analog Gov Training	\$ 7,000	3671
ASDSO Conference	\$ 2,500	2084
AVO Electrical Series	\$ 4,350	844
CEATI - ANNUAL MEETING	\$ 3,000	10273
CEATI - DSIG MEETING	\$ 2,200	0
CEATI - HPLIG MEETING	\$ 2,800	0
EPTC Fundamentals of Electricity	\$ 7,200	1430
EPTC Generation Series	\$ 3,600	1800
EPTC System Operations Personal Grounding	\$ 1,260	630
EPTC Transmission Series	\$ 3,600	3600
HSI Online Training	\$ 800	647
HydroVision	\$ 3,000	5569
NW Hydro Forum	\$ 800	2076
NWHA - ANNUAL MEETING	\$ 800	1643
NWHA - WORKSHOP	\$ 500	932
NWPPA - LEADERSHIP TRAINING	\$ 3,400	0
OPERATOR TRAINING DEVELOPMENT 2022	\$ 130,000	28897
TPC - ELECTRICAL WORKSHOP	\$ 4,350	5709
TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,390	3585
TRAINING - PESTICIDE APPLICATION	\$ 1,600	472
TRAINING - WATER & WASTEWATER	\$ 1,200	0
Wildlife Classes	\$ 4,000	1175
<b>Special O&amp;M</b>	<b>\$ 23,800</b>	<b>\$ 190</b>
NWPPA - ADMIN ASST TRAINING	\$ 2,400	0
TRAINING - COMPUTER	\$ 800	190
TRAINING - FALL PROTECTION	\$ 8,000	0
TRAINING - ROPE ACCESS	\$ 8,000	0
WPUDA - ADMIN ROUNDTABLE	\$ 600	0
WPLUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$ 4,000	0
<b>Transmission</b>	<b>\$ 63,000</b>	
<b>O&amp;M</b>	<b>\$ 63,000</b>	<b>\$ 3,610</b>
ROW Maintenance	\$ 60,000	2951
Transmission Line Corridor Planting	\$ 3,000	659
<b>Wages, Benefits and Taxes</b>	<b>\$ 3,226,810</b>	
<b>Grand Total</b>	<b>\$ 11,300,100</b>	

O&M	Budget	Expended	% Spent	Completion Rate	
Fish & Wildlife	\$ 210,380	\$ 91,491	43%	65%	67%
Maintenance	\$ 1,767,950	\$ 392,649	22%	33%	
Operations	\$ 291,040	\$ 117,566	40%	61%	
Recreation	\$ 411,800	\$ 127,814	31%	47%	
Taxes	\$ 65,100	\$ 35,316	54%	81%	
Training & Travel	\$ 191,850	\$ 75,037	39%	59%	
Transmission	\$ 63,000	\$ 3,610	6%	9%	
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,001,120</b>	<b>\$ 843,483</b>	<b>28%</b>	<b>42%</b>	
Special O&M	2022	Expended	% Spent	Completion Rate	
General	\$ 1,004,700	\$ 661,985	66%	99%	
Operations	\$ 39,000	\$ 30,729	79%	118%	
Training & Travel	\$ 23,800	\$ 190	1%	1%	
Wage, Benefits, & Taxes	\$ 3,225,810	\$ 2,100,000	65%	98%	**Estimation due to lack of data
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,294,310</b>	<b>\$ 2,792,904</b>	<b>65%</b>	<b>98%</b>	
OR&R	2022	Expended	% Spent	Completion Rate	
Fish & Wildlife	\$ -	\$ -	0%	100%	
Fleet	\$ 37,000	\$ 18,095	49%	73%	
Maintenance	\$ 2,292,270	\$ 929,480	41%	61%	
Operations	\$ 75,400	\$ 15,899	21%	32%	
Recreation	\$ 1,600,000	\$ 652,689	41%	61%	
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 1,616,163</b>	<b>40%</b>	<b>61%</b>	
<b>Grand Total (All Items)</b>	<b>\$ 11,300,100</b>	<b>\$ 5,252,550</b>	<b>46%</b>	<b>70%</b>	

		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%						



Status	Type	In	R0	R1	Lewis Description
		Grand Total	\$ 22,909,670	\$ 23,095,675	
		O&M	\$ 2,615,110	\$ 3,992,235	
		Fish & Wildlife	\$ 238,740	\$ 229,440	
1	R	American Fisheries Society (AFS) Membership	\$ 110	\$ 110	
4	NR	CISPUS ADULT FISH SITE RELEASE ANALYSIS	\$ 75,000	\$ 75,000	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.
		Creel Study			
		FSA BIOP Studies			
1	R	Fish & Wildlife Contract Services (RTL Consulting)	\$ 10,000	\$ 10,000	
		Fish Gate Position Indicators			
4	NR	Fishing Pond Sediment Removal	\$ 30,000	\$ 30,000	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.
1	R	Habitat & Fish Recovery Services (WDFW)	\$ 10,000	\$ 10,000	
1	R	Habitat Management; Fertilizer, Spraying, Plants	\$ 9,000	\$ 9,000	
1	R	Kid's Trout Derby	\$ 5,600	\$ 5,600	
1	R	Mitigation Trout Program	\$ 47,000	\$ 47,000	
		Noxious Weed Control Contractor	\$ 9,300	\$ -	
		TPU Rearing Facilities Studies			
1	R	USGS Gauging Station Fees	\$ 42,640	\$ 42,640	
1	R	Wildlife Society Membership	\$ 90	\$ 90	
		Maintenance	\$ 1,432,900	\$ 2,567,700	
		ARC FLASH STUDY			
		Automatic Transfer Switch Grouting			
		AVR Testing			
4	NR	Battery Bank Replacement	\$ -	\$ 80,000	Batteries are as old as the plant and don't hold the charge voltage as long as Joe would like.
4	NR	Battery Chargers	\$ -	\$ 60,000	Chargers are old as the plant.
4	NR	Bridge Sections Inspection & Analysis	\$ 106,000	\$ 106,000	Dam is series of bridges and sections. Never has been looked at, need to determine frequency of bridge inspections etc. No known issues, but went to check. Wasn't designed with concrete movement consideration. Have done local repair, but need deeper view.
1	R	Buffer Zone Management	\$ 3,200	\$ 3,200	
1	R	CAD Software Licensing	\$ 6,000	\$ 6,000	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.
1	R	Computer Software	\$ 2,000	\$ 2,000	These cost are based on Cowlitz Falls usage
4	R	Construction Management Software	\$ 7,600	\$ 7,600	These cost are based on Cowlitz Falls usage
1	R	Contract Crane Inspections	\$ 14,000	\$ 10,000	Yes, these are required annual inspections
1	R	Contract Diesel Generator Maintenance	\$ 12,000	\$ 12,000	
1	R	Contract Drafting Services	\$ 50,000	\$ 50,000	
1	R	Contract Maintenance Elevator	\$ 18,500	\$ 18,500	
1	NR	Control Room / Office Area Repairs - Construction	\$ -	\$ 869,000	
		Control Room / Office Area Repairs - Design			
		Control Room Paperless Recorders			
4	R	Dam Instrumentation	\$ 3,000	\$ 3,000	
		Debris Barrier - Maintenance	\$ -	\$ -	
1	R	Debris Removal - Trash Rake Debris Box	\$ 6,200	\$ 6,200	This is for deposit of the debris that is deposited in the box from raking the trash with the trash rake.
		Diesel Generator Connection to Spillway Gates 2 & 3			
		Diesel Generator Load Bank			



Status	Type	In	R0	R1	Lewis Description
1	R	Diving Services	\$ 16,500	\$ 16,500	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. We occasionally, need divers for inspecting the unit trash racks during periods of debris build up.
4	NR	Drainage Gallery Air Supply - Alternative Analysis	\$ -	\$ 60,000	There is poor air circulation and air quality. This is to look for alternatives on how to improve it.
		Drainage Pump			
		Drainage Pump Handrail			
4	NR	Drainage Sump Level Indication	\$ 3,500	\$ 3,500	This is for a new sensor. We currently do not have level indication in our drainage sump. We do have high level alarms.
4	NR	Drainage Sump Study	\$ 48,000	\$ 48,000	This is to get ahead of oil containment/skimming/processing issues.
1	R	Drainage System	\$ 3,000	\$ 3,000	This is a general maintenance item for annual repairs and parts.
1	R	Electrical Parts	\$ 14,400	\$ 14,400	This is generally for replacement parts, some small construction projects, and some spare parts
4	NR	Elevator Controls - Design	\$ 60,000	\$ 60,000	
		Elevator Controls - Installation			
1	R	Equipment Rental	\$ 17,000	\$ 17,000	
1	R	Equipment Watch Annual Fee	\$ 2,500	\$ 2,500	This is an annual fee for access to pricing for rental and contractual fee. This is used in writing and enforcing contracts.
		FERC Part 12 Recommendations			
		Forebay and Tailrace Level Sensor Replacement			
1	R	Fuel - Diesel Generator	\$ 1,500	\$ 1,500	
1	NR	Gantry Crane Jib Hoist Load Cell	\$ 15,000	\$ 15,000	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 leave 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.
1	NR	Generator Bus Boots	\$ 8,000	\$ 8,000	The generator bus boots would cover bus connections not currently covered.
1	NR	Generator Oil Mist Piping	\$ 3,000	\$ 3,000	This is piping that was never completely completed from original construction. This would complete the oil mist piping from the turbine pit area.
		Generator Parameter Validation Testing			
1	NR	Governor	\$ 4,000	\$ 4,000	This is annual maintenance costs for parts and material.
		Governor and Turbine Oil Replacement		\$ 100,000	
1	NR	Governor Jockey Pump	\$ 4,000	\$ 4,000	This is for a spare jockey pump for the governor system.
4	NR	Governor Oil Sump Level Indication	\$ 5,000	\$ 5,000	This is to add level indication for the governor oil sump.
		GSU Transformer #1 Metering CT Replacement			
		GSU Transformer Maintenance			
		GSU Transformer Oil Processing & Testing			
		GSU Transformer Testing			
1	R	HVAC	\$ 3,500	\$ 3,500	This is for maintenance parts and some contractual services.
1	NR	HVAC AH-1 Replacement Office Area	\$ -	\$ 50,000	
		Inspect Upstream Coating Spillway Gate 4			
1	R	Instrumentation Parts	\$ 10,000	\$ 10,000	This is mostly for replacement of various instrumentation in the plant. There is some new instrumentation in the plant.
		Investigate Draft Tube Liner Issues			
1	R	MAINTENANCE - LOG BRONC	\$ 1,000	\$ 1,000	
1	R	Maintenance - Unanticipated Dam Repairs	\$ 10,000	\$ 10,000	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.
1	R	Maintenance Management System	\$ 15,000	\$ 15,000	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.
1	R	Maintenance Supplies for Electric Plant	\$ 5,400	\$ 5,400	
1	R	Mechanical & Piping	\$ 10,000	\$ 10,000	
1	R	Mechanical Parts	\$ 14,000	\$ 14,000	

Status	Type	In	R0	R1	Lewis Description
1	R	Metal	\$ 13,000	\$ 13,000	
1	R	Mobile Crane Maintenance	\$ 1,500	\$ 1,500	The maintenance is performed by Cowlitz Falls crews. This is for parts and material.
4	R	North Rock Wall Scaling (Every 5 years)	\$ 150,000	\$ 183,800	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.
4	NR	Oil Bearing Level Sensors - Urit 1	\$ 24,000	\$ 24,000	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.
		Oil Bearing Level Sensors - Urit 2			
4	NR	Oil Storage Tank Level Sensors	\$ 6,000	\$ 6,000	We do not have oil tank level sensors. This is a new sensor.
1	R	Painting & Special Coatings	\$ 3,200	\$ 3,200	
1	NR	Piezometer Pressure Transmitters	\$ 18,000	\$ 18,000	This is to install piezometers with digital outputs into our SCADA system. This will give us more accurate and consistent piezometer readings.
1	R	Plant Lighting	\$ 1,000	\$ 1,000	
1	R	Plant Water Walls & Testing	\$ 1,200	\$ 1,200	
					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.
1	R	Protection & Control Support	\$ 8,000	\$ 8,000	
		Protective Relay Testing			
		Recoat Top Deck Above Control Room			
		Repaint Elevator Shaft Exterior			
		Repaint Stairwell Interior			
		Rotor Braided Jumpers			
1	R	Safety Equipment - Non PPE	\$ 5,000	\$ 5,000	
		Sandblast and Coat Draft Tube Platform Brackets			
1	R	SCADA Network Support	\$ 10,700	\$ 10,700	
1	R	SCADA Support	\$ 200,000	\$ 75,000	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.
		Seismic Study			
		Septic System Maintenance - Dam			
1	R	Service Air Compressor	\$ 1,000	\$ 1,000	
		Service Water System Design			
					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.
1	NR	Service Water System Rehabilitation	\$ 45,000	\$ 45,000	
1	NR	Service Water VFD & Controls Replacement	\$ -	\$ 16,000	
1	R	Sluice Gate Bulkhead Seals - Replacement	\$ 2,500	\$ 2,500	
		SMAG Power Connection & Cable			
1	R	Smoke Detectors & Fire Water Systems	\$ 3,000	\$ 3,000	
		Spillway 1 Apron Repairs - Alternative Analysis			
		Spillway Gate 4 Bottom Seal Repair			
4	NR	Spillway Gate Control - Alternative Analysis	\$ -	\$ 50,000	
4	NR	Spillway Gate Finite Element Analysis	\$ 90,000	\$ 90,000	This is a FERC Part 12 dam safety requirement to be completed prior to 2024.
1	R	Spillway Gates	\$ 5,000	\$ 5,000	This is for parts and material for the annual maintenance on our spillway gates.
1	NR	Station Service cabinet Inputs Into SCADA - Design	\$ 4,000	\$ 4,000	
		Station Service cabinet Inputs Into SCADA - Installation			
		Station Service Circuit Breaker Replacement - Alternative Analysis			
		Steel Structures & Equipment Coating			
		Structure Maintenance: Concrete, Fencing	\$ -	\$ -	
					The office are 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.
1	NR	Temporary Offices	\$ 230,000	\$ 230,000	
1	R	Tools & Equipment - Operations	\$ 22,000	\$ 22,000	The cost increase is due to additional work that will be performed and tools that we do not currently have for normal maintenance work.
1	R	Transformer Oil Processing & Testing	\$ 1,000	\$ 1,000	
		Trunnion Friction Testing			This is for Verizon service to provide communication to our turbidity sensors.
1	R	Turbidity Sensor Communication	\$ 1,000	\$ 1,000	

Status	Type	In	R0	R1	Lewis Description
4	NR	Turbine Oil Level Indication	\$ 15,000	\$ 15,000	We do not have turbine oil level indication. This will assist us in determine if we have any oil leakage.
1	R	Turbine Shaft Seals	\$ 30,000	\$ 30,000	We have issues with wear on the turbine shaft seals. We do experience leaking. These may need replaing 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.
		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			
4	NR	Unit Instrumentation - Alternative Analysis	\$ -	\$ 45,000	
		Unit Turbine Gage Board Inputs into SCADA - Design			
4	NR	Unit Turbine Gage Board Inputs into SCADA - Installation	\$ 35,000	\$ 35,000	
1	NR	Upper Guide Bearing Oil Sample Ports	\$ 4,000	\$ 4,000	
		Warehouse Repairs			
		<b>Operations</b>	<b>\$ 262,600</b>	<b>\$ 276,600</b>	
		1D Sediment Transport Study			
1	R	Advertising - Dam	\$ 1,200	\$ 1,200	
1	R	CFP Cell Phones	\$ 8,400	\$ 8,400	This is a more accurate cost based on actuals. Actuals thru July are \$4,256, and the monthly cost is \$720.
1	R	CFP Telephones	\$ 10,800	\$ 10,800	This is a more accurate cost based on actuals. Actuals thru July are \$6,441, and the monthly cost is \$925
1	R	CFP Vehicle Verizon Connect	\$ 2,300	\$ 2,300	This is a more accurate cost based on actuals. Actuals thru July are \$1,135, and the monthly cost is \$190.
1	R	COMMUNICATIONS - RADIOS, ETC	\$ 8,100	\$ 8,100	This is a more accurate cost based on actuals. Radios and mountain antennas.
1	R	Communications Fiber - User Fee	\$ 48,500	\$ 48,500	
1	R	Computer & Supplies	\$ 6,000	\$ 6,000	This is a new account for computer and supplies that are under the capitalization threshold.
1	R	Dam Safety Consultant	\$ 64,000	\$ 64,000	We have a professional services agreement with the consultant.
1	R	Electric Utilities - Secondary Power Feed	\$ 11,800	\$ 11,800	
1	R	Fall Protection Equipment	\$ 6,000	\$ 6,000	We have new employess that need to get outfitted.
1	R	FERC Dam Movement Survey	\$ 8,800	\$ 8,800	Yes, this is contracted.
1	R	FR Clothing - CFP	\$ 9,500	\$ 9,500	This is purchased through a selected vendor.
1	R	GARBAGE SERVICE - OPERATIONS	\$ 2,400	\$ 2,400	
1	R	Operator Remote SCADA Communications	\$ 9,000	\$ 9,000	This is for staff to communicate to the SCADA system form home.
1	R	Operator Supplies - Dam	\$ 1,500	\$ 1,500	
		Portable Restrooms - Dam			
1	R	Respirator Fit Testing	\$ 1,500	\$ 1,500	
1	R	Rope Access Gear	\$ 4,500	\$ 4,500	This is to cover the equipment that we ue to perform the rooe access and rescue tasks.
1	R	Security/Plant Locks	\$ 300	\$ 300	
4	NR	Sedimentation Report	\$ 50,000	\$ 50,000	This is to satisfy the Ecology requirement for developing a sediment mangemet plan for Cowit Falls. This will also satisfy a FERC requirement: for a sediment mangemet plan. WA DEQ requires a plan '27 requirement.
		Sedimentation Report Annual Updates	\$ -	\$ -	
1	NR	Sedimentation Survey	\$ 5,800	\$ 5,800	
1	NR	Shelving & Furniture	\$ -	\$ 14,000	
1	R	Subscriptions, Prints, Copies and Maps	\$ 2,200	\$ 2,200	
		<b>Recreation</b>	<b>\$ 306,760</b>	<b>\$ 455,760</b>	
1	R	Advertising	\$ 3,600	\$ 3,600	
1	R	Boat Launch Sediment Removal	\$ 5,000	\$ 5,000	Yes, this I scontracted. This clears out the bat launched after each flood season for recreational and project related boat usage.
1	R	Building Maintenance	\$ 3,200	\$ 3,200	No. This is for material for general building maintenance.
		Campground Fire Pits Graveling			
1	R	Campground Host	\$ 125,000	\$ 125,000	
1	R	Campground Internet	\$ 3,200	\$ 3,200	
4	NR	Campground & Day Use Park Paving	\$ -	\$ 150,000	
1	R	Campground Reservation Software	\$ 5,200	\$ 5,200	These are reoccurring costs for the software.
		Campground Restroom Improvements			This work will be performed in fall 2022 after the campground closes.
1	R	Campground Telephone	\$ 1,500	\$ 1,500	This is for basic telephone lines at the campground. Actuals thru July are \$930, and the monthly cost is \$135.
1	R	Campground Wood Chips	\$ 500	\$ 500	
1	R	Contract Septic and Water Services	\$ 27,000	\$ 27,000	
		Contract Services (Backhoe, Gravel)	\$ -	\$ -	
1	R	Contract Services (Dock Installation and Removal)	\$ 2,700	\$ 2,700	

Status	Type	In	R0	R1	Lewis Description
		D-Loop Electrical Design & Feed Replacements			This work will be completed in the fall of 2022 after the campground closes.
1	R	Electric Utilities	\$ 11,500	\$ 11,500	This is a more accurate cost based on actuals. Actuals thru July are \$6,736, and the monthly cost is \$963.
1	R	EQUIPMENT REPAIRS - PARK	\$ 3,500	\$ 3,500	
1	R	GARBAGE SERVICE - RECREATION	\$ 6,600	\$ 6,600	
1	R	Group B Annual Operating Fee - Falls Road Well	\$ 60	\$ 60	
1	R	MAINTENANCE - GROUND	\$ 3,400	\$ 6,400	No. This is for material and supplies for grounds maintenance.
1	R	MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400	\$ 6,400	
		Noxious Weed Control	\$ 6,000	\$ -	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 currently looking for other options.
1	R	Operation Supplies	\$ 2,200	\$ 2,200	
1	R	Port Blakeley Road Access Agreement	\$ 30,000	\$ 30,000	
1	R	Port Blakeley Road Maintenance	\$ 13,500	\$ 13,500	
1	R	Portable Restrooms	\$ 13,000	\$ 15,000	This is a more accurate cost based on actuals. Actuals thru July are \$4,595, and the monthly cost is \$660.
1	R	Potable Water and Septic System Testing	\$ 2,200	\$ 2,200	
		Recreation Assessment			We are scheduled to perform this work in fall 2022.
1	R	Recreation Tree Removal	\$ 10,000	\$ 10,000	
1	R	Repairs & Supplies	\$ 10,000	\$ 10,000	No labor. This is for material and supplies.
1	R	Septic System Maintenance - Recreation	\$ 6,000	\$ 6,000	This line item is to pump out our septic system tanks and vaults. Line item 304 is for contractual services to assist us with our septic and water systems.
1	R	Sign Replacements	\$ 2,500	\$ 2,500	
1	R	Tools & Equipment - Recreation	\$ 3,000	\$ 3,000	
		<b>Taxes</b>	<b>\$ 65,100</b>	<b>\$ 65,100</b>	
1	R	County Taxes	\$ 700	\$ 700	
1	R	Ecology Water Tax	\$ 7,500	\$ 7,500	
1	R	Privilege Tax	\$ 56,900	\$ 56,900	
		<b>Training &amp; Travel</b>	<b>\$ 109,110</b>	<b>\$ 97,735</b>	
1	R	American Fisheries Society Meeting	\$ 1,500	\$ 1,500	
1	R	American Governor Analog Gov Training	\$ 8,500	\$ 8,500	
1	R	American Governor School	\$ 8,000	\$ -	
1	R	ASDSO Conference	\$ 2,500	\$ 2,500	
1	R	AVC Circuit Breaker Maintenance	\$ -	\$ 5,000	
1	R	AVC Electrical Series	\$ 4,350	\$ -	
1	R	AVC Substation Maintenance I	\$ 5,000	\$ -	
1	R	AVC Thermography I	\$ 5,000	\$ 5,000	
		AVC Thermography II			
1	R	CEATI - ANNUAL MEETING	\$ 10,500	\$ 10,500	This is based on actuals. Actuals thru July are \$10,275 - no other costs for the rest of the year
1	R	CEATI - ASSET Management Meeting	\$ 1,800	\$ 1,800	
1	R	CEATI - DS-G MEETING	\$ 4,400	\$ 4,400	
1	R	CEATI - HPEIG MEETING	\$ 4,400	\$ 4,400	
		CEATI - HPLIG MEETING			
1	R	Clean Currents Conference	\$ -	\$ 6,000	
		EPTC Fundamentals of Electricity			
		EPTC Generation Series			
1	R	EPTC Power Plant Operation	\$ 7,000	\$ -	
1	R	EPTC Generation Series	\$ -	\$ 1,260	
1	R	EPTC Relay Protection	\$ 3,500	\$ -	
1	R	EPTC Switching & Grounding	\$ 7,000	\$ 4,000	
1	R	EPTC System Operations Personal Grounding	\$ 1,250	\$ -	
1	R	EPTC Transmission Series	\$ 3,600	\$ 1,875	
1	R	HSI Online Training	\$ 800	\$ 800	
1	R	HydroVision	\$ 3,000	\$ -	
1	R	NW Hydro Forum	\$ 1,600	\$ 1,600	
1	R	NWHA - ANNUAL MEETING	\$ 800	\$ 800	
1	R	NWHA - WORKSHOP	\$ 2,000	\$ 2,000	
1	R	NWPPA - LEADERSHIP TRAINING	\$ 3,400	\$ 3,400	
		OPERATOR TRAINING DEVELOPMENT 2022			

Status	Type	In	R0	R1	Lewis Description
1	R	TPC - ELECTRICAL WORKSHOP	\$ 5,000	\$ -	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.
1	R	TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,400	\$ -	
1	R	TRAINING - CRANE	\$ 4,000	\$ 6,500	
1	R	TRAINING - MANLIFT/FORKLIFT	\$ -	\$ 4,000	
1	R	TRAINING - PESTICIDE APPLICATION	\$ 1,600	\$ 1,600	
1	R	TRAINING - SEL Generator Relay	\$ -	\$ 4,800	
1	R	TRAINING - Western Protective Relay	\$ -	\$ 3,000	
1	R	TRAINING - Reckwell Automation Fair	\$ -	\$ 3,800	
1	R	TRAINING - Factory Talk Training	\$ -	\$ 3,500	
1	R	TRAINING - WATER & WASTEWATER	\$ 1,200	\$ 1,200	
1	R	Wildlife Classes	\$ 4,000	\$ 4,000	
		<b>Transmission</b>	<b>\$ 62,000</b>	<b>\$ 62,000</b>	
1	R	ROW Maintenance	\$ 60,000	\$ 60,000	
1	R	Transmission Line Corridor Planting	\$ 2,000	\$ 2,000	
		<b>Wage, Benefits, &amp; Taxes</b>	<b>\$ 137,900</b>	<b>\$ 137,900</b>	
1	R	OT Taxes	\$ 4,500	\$ 4,500	
1	R	Social Security Medicare	\$ 133,400	\$ 133,400	
1	R	Social Security Medicare - F&W Tech	\$ -	\$ -	
		<b>Special O&amp;M</b>	<b>\$ 5,098,660</b>	<b>\$ 5,164,540</b>	
		<b>General</b>	<b>\$ 1,094,460</b>	<b>\$ 1,169,040</b>	
1	R	A&C Exhibit F	\$ 382,800	\$ 414,060	
1	R	ASDSO - Government Membership	\$ 60	\$ 60	
1	R	Auditing - Accountability	\$ 2,350	\$ 2,350	
1	R	Auditing - Financial	\$ 19,450	\$ 19,450	
		Budget Facilitator			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.
1	R	CEATI - MEMBERSHIP	\$ 42,000	\$ 65,300	
1	R	CEATI - PROJECTS	\$ 15,000	\$ 15,000	
1	R	Compliance Consultant	\$ 65,000	\$ 65,000	
4	R	Document Management Software	\$ 30,000	\$ 50,000	This is for the cost of the new District document management software that will be purchased in 2023. This is a recurring cost.
1	NR	Document Scanning	\$ 5,000	\$ 5,000	Yes, this is the fee for having Cowlitz Falls document scanned.
1	R	FERC Annual Fee	\$ 103,000	\$ 103,000	
1	R	Fire District Payment	\$ 20,000	\$ 20,000	
4	NR	Infrastructure Grant Proposal (HDR)	\$ 50,000	\$ 50,000	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.
1	R	INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$ 7,500	\$ 7,500	
1	R	INSURANCE - EXCESS LIABILITY	\$ 26,000	\$ 26,000	
1	R	INSURANCE - LIABILITY	\$ 11,000	\$ 11,000	
1	R	INSURANCE - PROPERTY	\$ 210,000	\$ 210,000	
1	R	LEGAL SERVICES - BIOP & FERC ISSUES	\$ 25,000	\$ 25,000	
1	R	LEGAL SERVICES - GENERAL ISSUES	\$ 20,000	\$ 20,000	
1	R	Long Range Plan Analysis	\$ 35,000	\$ 35,000	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.
1	R	NWHA Membership	\$ 1,000	\$ 1,000	
1	R	OFFICE SUPPLIES AND EXPENSES	\$ 9,300	\$ 9,300	
1	NR	Records Clean Up	\$ 15,000	\$ 15,000	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 Cowlitz Falls documents.
		<b>Operations</b>	<b>\$ 57,300</b>	<b>\$ 46,600</b>	
1	R	CF Vehicle and Equipment Fuel	\$ 31,200	\$ 22,500	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
1	R	CF Vehicle Maintenance	\$ 15,000	\$ 15,000	
1	R	CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200	\$ 3,200	
1	R	CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300	\$ 1,300	
1	R	CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,600	\$ 6,600	

Status	Type	In	R0	R1	Lewis Description
		<b>Training and Travel</b>	\$ 26,800	\$ 26,800	
1	R	ARC FLASH TRAINING	\$ 3,000	\$ 3,000	
1	R	NWPPA - ADMIN ASST TRAINING	\$ 2,400	\$ 2,400	This is general training for this position. There are several classes that this employee will take to continually develop.
1	R	TRAINING - COMPUTER	\$ 800	\$ 800	
1	R	Training - Confined Space	\$ 8,000	\$ 8,000	
	R	TRAINING - FALL PROTECTION			
1	R	TRAINING - ROPE ACCESS	\$ 8,000	\$ 8,000	
1	R	WPUA - ADMIN ROUNDTABLE	\$ 600	\$ 600	
1	R	WPUA/APPA/NWPPA - ACCOUNTANT TRAINING	\$ 4,000	\$ 4,000	This training will take several years to complete.
		<b>Wage, Benefits, &amp; Taxes</b>	\$ 3,920,100	\$ 3,920,100	
1	R	Employee Medical Insurance	\$ 510,800	\$ 510,800	
		Employee Medical Insurance - F&W Tech	\$ -	\$ -	
1	R	Employer PERS	\$ 175,600	\$ 175,600	
		Employer PERS F&W Tech	\$ -	\$ -	
1	R	ES Support Overhead	\$ 527,200	\$ 527,200	
		ES Support Overhead - IS/IT	\$ -	\$ -	
		ES Support Overhead - Purchasing	\$ -	\$ -	
1	R	ES Support Wages	\$ 754,700	\$ 754,700	
		ES Support Wages - IS/IT	\$ -	\$ -	
		ES Support Wages - Purchasing	\$ -	\$ -	
1	R	Flu Shot Clinics	\$ 400	\$ 400	
1	R	L&I Employer	\$ 27,500	\$ 27,500	
		L&I Employer F&W Tech	\$ -	\$ -	
1	R	Long Term Disability	\$ 4,600	\$ 4,600	
1	R	Long Term Disability - F&W Tech	\$ -	\$ -	
1	R	Misc Pension & Benefits, CDL, Medical Exam, etc	\$ 5,000	\$ 5,000	
		Misc Pension & Benefits, CDL, Medical Exam, etc - F&W Tech	\$ -	\$ -	
1	R	OT Benefits	\$ 7,400	\$ 7,400	
1	R	OT Wages	\$ 59,100	\$ 59,100	
1	R	Paid Family Leave Benefit	\$ 3,400	\$ 3,400	
		Paid Family Leave Benefit - F&W Tech	\$ -	\$ -	
1	R	PCORI ACA Requirement	\$ 100	\$ 100	
1	R	PL Cash Out	\$ 5,000	\$ 5,000	
1	R	PL to VEBA Cash Out	\$ 16,000	\$ 16,000	
1	R	Retiree/COBRA Med Ins - Premiums & Claims	\$ 20,000	\$ 20,000	
1	R	Short Term Disability	\$ 2,000	\$ 2,000	
		Short Term Disability - F&W Tech	\$ -	\$ -	
1	R	Standby Pay	\$ 39,500	\$ 39,500	
1	R	Term Insurance Benefit	\$ 1,200	\$ 1,200	
		Term Insurance Benefit - F&W Tech	\$ -	\$ -	
1	R	VEBA Benefit	\$ 16,900	\$ 16,900	
		VEBA Benefit - F&W Tech	\$ -	\$ -	
1	R	Wages	\$ 1,743,700	\$ 1,743,700	
		Wages - F&W Tech	\$ -	\$ -	
		<b>OR&amp;R</b>	\$ 14,894,900	\$ 14,233,900	
		<b>Fish &amp; Wildlife</b>	\$ 955,000	\$ 170,000	
		(CHAP) Comprehensive Habitat Action Plan - Wildlife Evaluation			
		Alternative Fishing Derby Site Development - Construction			
		Alternative Fishing Derby Site Development - Design			
4		Kiona Creek Enhancement	\$ 120,000	\$ 120,000	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 Sharefile folder.
		Man-Made Island Canal - Construction			
4		Man-Made Island Canal - Design	\$ 50,000	\$ 50,000	

Status	Type	In	R0	R1	Lewis Description
		Wildlife Meadows Unit #5			
4		Wildlife Mitigation Land	\$ 785,000	\$ -	
		<b>Fleet</b>	<b>\$ 90,000</b>	<b>\$ 85,000</b>	
		Mower			
1		RT Fork Lift	\$ 85,000	\$ 85,000	This could be deferred 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.
		Side By Side			
		Truck Box Crane	\$ 5,000	\$ -	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.
		Vehicle			
		Vehicle for Replacement			
		Vehicle for Resource Worker			
		<b>Maintenance</b>	<b>\$ 13,524,900</b>	<b>\$ 13,803,900</b>	
1		5-Ton Bridge Crane	\$ 865,000	\$ 865,000	
		Battery Bank Replacement	\$ 80,000	\$ -	
		Battery Chargers	\$ 60,000	\$ -	
		Boat Barrier Replacement - Alternative Analysis			
1		Boat Barrier Replacement - Design	\$ 80,000	\$ 60,000	
4		Boat Barrier Replacement - Installation	\$ 1,800,000	\$ 2,060,000	
4		Debris Barrier Coating & Cathodic Protection - Construction	\$ 3,680,800	\$ 3,680,800	
		Debris Barrier Coating & Cathodic Protection - Design			
		Downstream Boat Ramp			
1		Downstream Notification Siren - Design	\$ 10,000	\$ 10,000	
		Downstream Notification Siren - Installation	\$ -	\$ -	
4		Drainage Gallery Air Supply - Alternative Analysis	\$ 60,000	\$ -	
		Drainage Gallery Air Supply - Design			
		Drainage Gallery Air Supply - Installation			
		Drainage Sump Oil Skimmer - Design			
		Drainage Sump Oil Skimmer - Installation			
		Elevator Roof Access - Design			
1		Elevator Roof Access - Installation	\$ 25,000	\$ 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	\$ 215,000	
1		HVAC AH-1 Replacement Office Area	\$ 50,000	\$ -	
		Generator Protective Relay Replacement - Installation			
		Intake Gato Slot Cover - Alternative Analysis			
		Lathe			
		Mobile Diesel Generator & Log Bronc Cover			
		New Facility - Construction			
		New Facility - Design			
4		New Facility - Site Preparation	\$ 1,068,100	\$ 1,668,100	
		Plant Auxiliary Equipment Inputs into SCADA - Design			
		Plant Auxiliary Equipment Inputs into SCADA - Installation			
		Revenue Meters			

Status	Type	In	R0	R1	Lewis Description
1		Roadway Gates	\$ 18,000	\$ 18,000	
		Roadway Lighting			
1		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			
1		Sluice Gate Replacement - Design 2	\$ 867,700	\$ 867,700	
		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			
4		Spillway 4 Rail Extension - Construction	\$ 3,768,300	\$ 3,768,300	
		Spillway 4 Rail Extension - Design			
4		Spillway Gate Control - Alternative Analysis	\$ 50,000	\$ -	
		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			
		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			
2		Transmission Line Access - Bridge Replacement	\$ 275,000	\$ 75,000	
		Trash Rake - Alternative Analysis			
		Trash Rake Construction			
4		Trash Rake Design	\$ 191,000	\$ 191,000	
		Trash Removal System - Alternative Analysis			
		Trash Removal System - Construction			
4		Trash Removal System - Design	\$ 300,000	\$ 300,000	
4		Unit Instrumentation - Alternative Analysis	\$ 45,000	\$ -	
		Unit Instrumentation - Design			
		Unit Instrumentation - Installation			
		<b>Operations</b>	<b>\$ 105,000</b>	<b>\$ 105,000</b>	
1		Major Office & Network Equipment	\$ 25,000	\$ 25,000	
1		Security Improvements	\$ 80,000	\$ 80,000	
		<b>Recreation</b>	<b>\$ 220,000</b>	<b>\$ 70,000</b>	
4		Campground A Loop Restroom - Design	\$ 60,000	\$ 60,000	
		Campground A Loop Restroom - Installation			
4		Campground & Day Use Park Paving	\$ 150,000	\$ -	
		Campground Electrical Replacement - Design			
		Campground Electrical Replacement - Installation			
		Campground Storage Building - Design			
		Campground Storage Building - Installation			
		Copper Canyon Take Out Site Improvements			





BPA Narrative			
		353880	
Defer - Not enough information to have certainty of costs and responsibility. Defer until figure out Tacoma's cost share and details figured out. Need to review MOU's and gain understanding of organizational responsibility. 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?			
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Dependent on flows/floods, determine if needed during operating year and if there is under-runs to cover. These activities qualify for the \$350k that is set up for contingency events.			
Mitigation requirement.			
Mitigation requirement.			
Important, but not critical.			
Mitigation requirement.			
Remove - Per Lewis, they can't find contractor, will train staff to perform duties.			
Dam safety and operationally important			
Not critical.			
Defer - not imminent failure			
Defer - not imminent failure			
Defer - Does not seem critical, need more specific information on scope and sections that "need" inspection along with updated costs. Information provided to date does not demonstrate critical need to be included in FY23 budget. Can place on defer list and execute during the OY if funds are available in under-runs. Was an analysis completed for the section of dam regarding the Spillway 4 Crane Rail Extension? If so, is that analysis included in this analysis?			
Move to Exhibit F			
Move to Exhibit F			
Defer - Not certain of the need and benefit. No large construction program at the relatively small project and doesn't appear to be complex enough to warrant construction management software. And, assume that contractors would be managing their work with their own software.			
Annual requirement.			
Critical to operations			
Important, but not critical.			
Critical to operations			
New item, uncertain of justification.			
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs. \$350K fund can cover.			
Ok - routine work.			

BPA Narrative		
Ok - recurring need to support maintenance.		
Defer - no clear need for this year to perform this analysis this year.		
Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue or relatively high risk.		
Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		
Defer - No clear imminent failure. Are there mitigating factors if elevator is inoperable?		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		
OK - software, should be rolled up into Exn FA&G		
Critical, safety - no load cell on one of the hoists.		
Important as it is additional safety but not critical.		
Critical, fire protection - need to make more permanent as it's temporary now. Material cost. And, a safety item providing fire protection.		
Critical, reliability of generating equipment - Annual parts, do one per year. Based on condition. Materials.		
Critical, reliability - critical spare part.		
Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.		
Important for climate control - materials and contractual services when needed		
Critical - office safety		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		
Critical for debris removal.		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		
Important but not critical. Could help with efficiency of conducting maintenance and condition assessment and equipment history.		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.		

BPA Narrative	
Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.	
Critical for reliability.	
Defer - Urgency not apparent as it's a continuation of unfinished work. Uncertain as condition. Would like to review the justification of continuation of North Rock Wall Scaling work (study, proposal etc.)? What has changed since original discussion of work, why did costs increase?	
Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.	
Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.	
Critical - asset preservation.	
Important - no clear need, seems more important.	
Critical - plant personnel safety.	
Critical - plant personnel safety.	
Critical for plant reliability and monitoring.	
Critical - Safety PPE	
Critical for remote monitoring and operations.	
Value needs to be lower as current expenditures are well below \$200K. Verbally stated its more like \$75k	
Critical support for maintenance.	
Critical due to equipment condition and lack of functionality.	
Important - VFD's no longer supported.	
Critical - major feature maintenance.	
Critical - plant safety and fire protection.	
Defer - No clear need to prioritize.	
Defer - No urgent need.	
Important - additional ability to monitor operations.	
Not critical but already in flight.	
Critical for day to day operations.	
Critical for transformer maintenance and generation reliability.	

BPA Narrative	
Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.	
Critical - critical spare part.	
Defer - no urgent requirement or need.	
Defer - no urgent requirement	
Important - allows monitoring of oil for equipment condition monitoring.	
Important for public communication.	
Critical for comms	
Critical for comms	
Critical for comms	
Critical for comms	
Critical for comms	
Critical for maintaining business	
Critical for safety	
Critical for operation of facility	
Critical for safety	
Requirement of FERC license	
Critical for safety	
Critical operational support	
Critical for monitoring plant and operations	
Critical for operations	
Critical for safety	
Critical for safety	
Critical for security of facility	
Defer - can defer until '24 to '26 in light of high budget amount and demonstrated needs in other areas.	
Operational requirement	
Need to look closer at costs as existing furniture should be utilized for rented offices. Original \$40k, Lowered to double recurring budget of \$7k	
Important for operational support	
Critical for operations	
Critical for operations	
Critical for operations	
Defer - Not critical, currently have furnishings.	
Critical support of personnel.	
Defer - no urgent need or safety of visitors issues cited. Lacks justification sheet. Could try and parse this work out over several years based on condition.	
Critical for operations of campground	
remove - will be done in '22	
Critical support of personnel.	
Critical for operations	
Critical for operations	
Critical for operations	



BPA Narrative	
Important - not critical	
Important - not critical	
Important - not critical	
Important - not critical	
Important - not critical	
Important - not critical	
Joint Lewis County PUD partial support of Cowlitz Falls Project. This needs updating to integrate other line items for software.	
Important	
Critical - business requirement	
Critical - business requirement	
Need to review actual costs of membership per year. As previous years may have been increased to accommodate 15 month fiscal year.	
Important - not critical	
Critical - business requirement	
Defer as the need doesn't have enough justification to purchase. Unclear if it's a District software or CFP software.	
Defer - not critical and need to do document clean up first. Do they have a process of scanning documents with current staff? What is the plan for the long term?	
Critical - business requirement	
Critical - support safety	
Defer - Costs are uncertain at this time. CFP should get quotes.	
Critical - business requirement	
Critical - business requirement	
Critical - business requirement	
Critical - business requirement	
Critical - business requirement	
Critical - business requirement	
Important work for long range planning.	
Important - close to completion. Needs to be completed before document retention work. Do they have a process of record retention? What is the plan for the long term?	
Critical - plant support	
Critical - plant support	
Critical - plant support	
Critical - plant support	
Critical - plant support	

BPA Narrative		
Critical - Safety Training		
Important - not critical		
Important - not critical		
Critical - safety		
Critical - safety		
Important - not critical		
Important - not critical		
		NO
Defer - not critical		



BPA Narrative	
Defer - legal	
Ok - this is a typical equipment for the facility. However, cost estimate seems high.	
Remove - purchasing in '22	
Important - supports other work and already design complete.	
Defer - design is not complete, size seems still under consideration therefore costs could be different. Would recommend a design and sizing be done before requesting funds.	
Defer - not imminent failure	
Defer - not imminent failure	
Critical for safety of public	
Defer until permit is received, alternatives discussed, security benefit described and design complete for more accurate estimate of construction. Construction work window is Nov - Feb so expenditures should be separated and staged, design, procurement and then install.	
Defer until USACE permit received, could be several years.	
Critical - safety of public	
Defer - no clear need for this year.	
Critical for maintenance access.	
Critical - office safety	
Important - work already in flight. Question on what is needed for temporary buildings as Bonneville is not in agreement with long term plans for permanent structure.	

BPA Narrative	
Critical - security of facility	
Important - VFD's no longer supported.	
Defer - Need more discussion, can defer as it is not urgent.	
Project already in flight, costs may change when bids are received. Need more conversation and analysis and justification.	
Defer - not an urgent need. Moved to expense.	
New options found that reduced costs significantly.	
Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etc for coordinating the collection and removal of debris.	
Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etc for coordinating the collection and removal of debris.	
Defer - no urgent requirement or need.	
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.	

BPA Narrative			
Important - support of recreational users.			

Subnet	2022	Status	Subtotal	%
O&M	\$ 3,992,235	Accepted	\$ 2,795,335	68%
		Additional Info Needed	\$ -	0%
		Remove	\$ 1,186,900	30%
Special O&M	\$ 5,164,540	Accepted	\$ 5,064,540	98%
		Additional Info Needed	\$ -	0%
		Remove	\$ 100,000	2%
OR&R	\$ 14,233,900	Accepted	\$ 2,335,700	16%
		Additional Info Needed	\$ -	0%
		Remove	\$ 11,898,200	84%
Grand Total	\$ 23,390,675	Accepted	\$ 10,105,575	43%
		Additional Info Needed	\$ -	0%
		Remove	\$ 13,185,100	56%
		Remaining	\$ (100,000)	

	Budget Year		2023 (Supported)	% of Requested Amount	
	2022	2023 (Requested)			
<b>2023 O&amp;M</b>					
Fish & Wildlife	\$ 210,380	\$ 229,440	\$ 124,440	54%	
Maintenance	\$ 1,767,950	\$ 2,667,700	\$ 1,685,800	63%	
Operations	\$ 291,040	\$ 276,600	\$ 226,600	82%	
Recreation	\$ 416,800	\$ 455,760	\$ 305,760	67%	
Taxes	\$ 65,100	\$ 65,100	\$ 65,100	100%	
Training & Travel	\$ 191,850	\$ 97,735	\$ 97,735	100%	
Transmission	\$ 63,000	\$ 62,000	\$ 62,000	100%	
Wage, Benefits, & Taxes	\$ 113,360	\$ 137,900	\$ 137,900	100%	
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,119,480</b>	<b>\$ 3,992,235</b>	<b>\$ 2,705,335</b>	<b>68%</b>	
	Budget Year		2023 (Supported)	% of Requested Amount	
	2022	2023 (Requested)			
<b>2023 Special O&amp;M</b>					
General	\$ 1,004,700	\$ 1,169,040	\$ 1,069,040	91%	
Operations	\$ 39,000	\$ 48,600	\$ 48,600	100%	
Training & Travel	\$ 23,800	\$ 26,800	\$ 26,800	100%	
Wage, Benefits, & Taxes	\$ 3,113,450	\$ 3,920,100	\$ 3,920,100	100%	
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,180,950</b>	<b>\$ 5,164,540</b>	<b>\$ 5,064,540</b>	<b>98%</b>	
	Budget Year		2023 (Supported)	% of Requested Amount	
	2022	2023 (Requested)			
<b>2023 OR&amp;R</b>					
Fish & Wildlife		\$ 170,000	\$ -	0%	
Fleet	\$ 37,000	\$ 85,000	\$ 85,000	100%	
Maintenance	\$ 2,292,270	\$ 13,803,900	\$ 2,135,700	15%	
Operations	\$ 75,400	\$ 105,000	\$ 105,000	100%	
Recreation	\$ 1,600,000	\$ 70,000	\$ 10,000	14%	
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 14,233,900</b>	<b>\$ 2,335,700</b>	<b>16%</b>	
Project Revenue	\$ 99,000	\$ 295,000	\$ 295,000	100%	
<b>Grand Total (All Items)</b>	<b>\$ 11,206,100</b>	<b>\$ 23,095,675</b>	<b>\$ 9,810,575</b>	<b>42%</b>	
Routine Program					
	Total Req	Requested		Agreed	
		Recurring	Non-recurring	Recurring	Non-recurring
<b>2023 O&amp;M</b>					
Fish & Wildlife	\$ 229,440	\$ 124,440	\$ 105,000	\$ 124,440	\$ -
Maintenance	\$ 2,567,700	\$ 610,200	\$ 1,957,500	\$ 415,800	\$ 1,270,000
Operations	\$ 276,600	\$ 206,800	\$ 69,800	\$ 206,800	\$ 19,800
Recreation	\$ 455,760	\$ 305,760	\$ 150,000	\$ 305,760	\$ -
Taxes	\$ 65,100	\$ 65,100	\$ -	\$ 65,100	\$ -
Training & Travel	\$ 97,735	\$ 97,735	\$ -	\$ 97,735	\$ -
Transmission	\$ 62,000	\$ 62,000	\$ -	\$ 62,000	\$ -
Wage, Benefits, & Taxes	\$ 137,900	\$ 137,900	\$ -	\$ 137,900	\$ -
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,892,235</b>	<b>\$ 1,609,335</b>	<b>\$ 2,282,300</b>	<b>\$ 1,415,535</b>	<b>\$ 1,289,800</b>
		Requested		Agreed	
		Recurring	Non-recurring	Recurring	Non-recurring
<b>2023 Special O&amp;M</b>					
General	\$ 1,169,040	\$ 1,099,040	\$ 70,000	\$ 1,049,040	\$ 20,000
Operations	\$ 48,600	\$ 48,600	\$ -	\$ 48,600	\$ -
Training & Travel	\$ 26,800	\$ 26,800	\$ -	\$ 26,800	\$ -
*Wage, Benefits, & Taxes	\$ 3,920,100	\$ 3,920,100	\$ -	\$ 3,920,100	\$ -
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 5,164,540</b>	<b>\$ 5,094,540</b>	<b>\$ 70,000</b>	<b>\$ 5,044,540</b>	<b>\$ 20,000</b>

\* Dispute total budget as it includes new job assignments and costs



2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget Year	Expended
(Excludes Wages & Benefits)	2022	
<b>Fish &amp; Wildlife</b>	\$ 210,380	\$ 91,491
<b>O&amp;M</b>	\$ 210,380	\$ 91,491
Creel Study	\$ 18,000	15039
Fish & Wildlife Contract Services (RTL Consulting)	\$ 10,000	1512
Fish Gate Position Indicators	\$ 32,000	31240
Fishing Pond Sediment Removal	\$ 30,000	0
Habitat & Fish Recovery Services (WDFW)	\$ 10,000	0
Habitat Management; Fertilizer, Spraying, Plants	\$ 9,000	-366
Kid's Trout Derby	\$ 5,400	2880
Mitigation Trout Program	\$ 45,000	0
Noxious Weed Control Contractor	\$ 9,300	0
USGS Gauging Station Fees	\$ 41,600	41091
<b>American Fisheries Society (AFS) Membership</b>	\$ -	105
Wildlife Society Membership	\$ 80	0
<b>OR&amp;R</b>	\$ -	-
<b>Fleet</b>	\$ 37,000	\$ 18,095
<b>OR&amp;R</b>	\$ 37,000	\$ 18,095
Mower	\$ 22,000	18095
Vehicle	\$ 15,000	0
<b>General</b>	\$ 1,004,700	\$ 1,082,745
<b>Special O&amp;M</b>	\$ 1,004,700	\$ 661,985
A&G Exhibit F	\$ 371,600	247736
<b>ASD&amp;O - Government Membership</b>	\$ -	55
Auditing - Accountability	\$ 2,300	0
Auditing - Financial	\$ 19,000	18524
CEATI - MEMBERSHIP	\$ 65,300	0
CEATI - PROJECTS	\$ 30,000	0
Compliance Consultant	\$ 65,000	35557
FERC Annual Fee	\$ 100,000	102192
Fire District Payment	\$ 19,500	0
INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$ 7,200	4018
INSURANCE - EXCESS LIABILITY	\$ 25,000	34064
INSURANCE - LIABILITY	\$ 10,500	0
INSURANCE - PROPERTY	\$ 200,000	198047
LEGAL SERVICES - BIOP & FERC ISSUES	\$ 24,200	5143
LEGAL SERVICES - GENERAL ISSUES	\$ 20,000	13328
Long Range Plan Analysis	\$ 35,000	405
NWHA Membership	\$ 800	0
OFFICE SUPPLIES AND EXPENSES	\$ 9,300	2916
<b>Maintenance</b>	\$ 4,060,220	
<b>O&amp;M</b>	\$ 1,767,950	\$ 392,649
ARC FLASH STUDY	\$ 35,000	0
Automatic Transfer Switch Grouting	\$ 1,000	0
Buffer Zone Management	\$ 3,200	0
CAD Software Licensing	\$ 4,500	1978
Computer Software	\$ 2,000	0
Construction Management Software	\$ 12,000	0
Contract Crane Inspections	\$ 12,600	0
Contract Diesel Generator Maintenance	\$ 10,000	8676

Contract Drafting Services	\$ 50,000	0
Contract Maintenance Elevator	\$ 15,200	14020
Control Room / Office Area Repairs - Construction	\$ 586,030	65282
Control Room / Office Area Repairs - Design	\$ 7,900	0
Control Room Paperless Recorders	\$ 42,000	0
Dam Instrumentation	\$ 2,200	0
Debris Removal - Trash Rake Debris Box	\$ 6,000	1723
Diesel Generator Connection to Spillway Gates 2 & 3	\$ 14,000	0
Diesel Generator Load Bank	\$ 8,500	12077
Diving Services	\$ 16,500	0
Drainage Pump Handrail	\$ 2,500	1627
Drainage System	\$ 3,000	0
Electrical Parts	\$ 5,400	540
Equipment Rental	\$ 17,000	6813
<b>Equipment Watch (Computer Software)</b>		2684
Governor	\$ 4,000	4822
GSU Transformer #1 Metering CT Replacement	\$ 15,000	4963
GSU Transformer Maintenance	\$ 3,240	0
GSU Transformer Oil Processing & Testing	\$ 165,780	0
HVAC	\$ 3,200	0
Instrumentation Parts	\$ 5,400	0
Investigate Draft Tube Liner Issues	\$ 25,000	0
MAINTENANCE - LOG BRONC	\$ 1,000	644
Maintenance Management System	\$ 15,000	0
<b>Maintenance Mobile Crane</b>		398
Maintenance Supplies for Electric Plant	\$ 5,400	3466
Mechanical & Piping	\$ 9,000	5189
Mechanical Parts	\$ 10,600	7769
Metal	\$ 10,000	0
<b>Maintenance Mobile Crane</b>		398
North Rock Wall Scaling	\$ 75,000	82889
Painting & Special Coatings	\$ 3,200	0
Piezometer Pressure Transmitters	\$ 18,000	0
Plant Lighting	\$ 1,000	0
Plant Water Wells & Testing	\$ 1,200	0
<b>Protection and Control Support</b>		5893
Recoat Top Deck Above Control Room	\$ 3,500	0
Repaint Elevator Shaft Exterior	\$ 1,500	0
Repaint Stairwell Interior	\$ 500	0
Rotor Braided Jumpers	\$ 10,000	0
Safety Equipment - Non PPE	\$ 5,000	2422
Sandblast and Coat Draft Tube Platform Brackets	\$ 3,000	0
SCADA Network Support	\$ 10,700	1395
SCADA Support	\$ 120,000	18037
Seismic Study	\$ 150,000	85165
Service Air Compressor	\$ 1,000	0
Service Water System Design	\$ 2,500	0
SMAAG Power Connection & Cable	\$ 4,500	2328
Smoke Detectors & Fire Water Systems	\$ 2,600	310
Spillway Gates	\$ 5,000	0
Tools & Equipment - Operations	\$ 15,000	18768



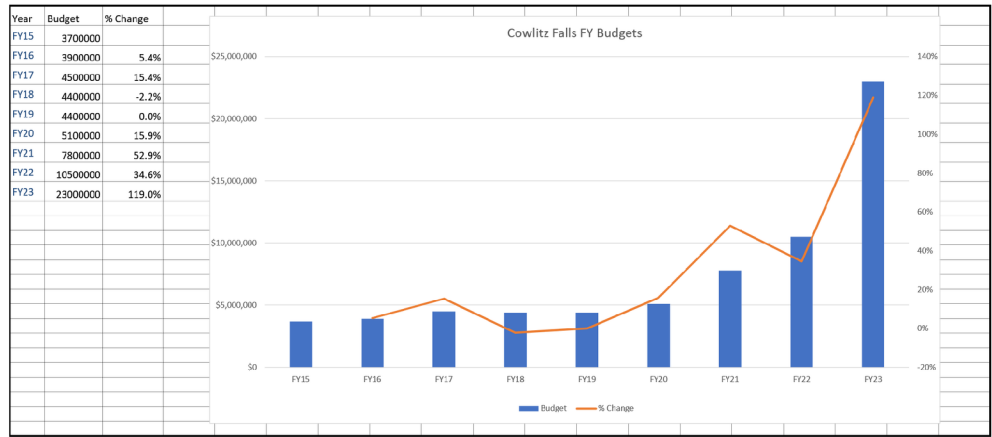
Trunnion Friction Testing	\$ 65,000	5951
Turbidity Sensor Communication	\$ 1,000	0
Turbine Shaft Seals	\$ 30,000	26396
Unit Control Board Meter Replacement	\$ 42,000	0
Unit Turbine Gage Board Inputs into SCADA - Design	\$ 4,000	0
Warehouse Repairs	\$ 64,000	26
<b>OR&amp;R</b>	<b>\$ 2,292,270</b>	<b>\$ 929,480</b>
5-Ton Bridge Crane	\$ 490,000	0
Boat Barrier Replacement - Alternative Analysis	\$ 35,000	35000
Boat Barrier Replacement - Design	\$ 41,375	41375
Debris Barrier Coating & Cathodic Protection - Design	\$ 60,000	58079
Elevator Roof Access - Design	\$ 10,000	0
Exciter Brush Dust Vacuum System	\$ 92,200	0
Generator Hatch Cover Seals & Drains	\$ 25,000	5521
Lathe	\$ 18,000	23171
Mobile Diesel Generator & Log Bronc Cover	\$ 25,000	0
New Facility - Site Preparation	\$ 60,000	36174
Revenue Meters	\$ 24,000	0
Roadway Gates	\$ 12,000	0
Roadway Lighting	\$ 20,000	0
Sluice Gate Replacement - CFD & Physical Model Design	\$ 115,605	122031
Sluice Gate Replacement - Design 1	\$ 372,000	0
Sonar & Turbidity Sensors	\$ 25,000	47897
South Downstream Abutment Wall Handrail	\$ 27,000	0
Spillway 4 Rail Extension - Design	\$ 330,025	219368
Spillway Gate Hoist Covers - Construction	\$ 95,000	0
Spillway Gate Hoist Covers - Design	\$ 25,000	0
Spillway Handrail & Guardrail	\$ 226,585	228856
Trash Rake - Alternative Analysis	\$ 86,850	76500
Trash Removal System - Alternative Analysis	\$ 76,630	35508
<b>Operations</b>	<b>\$ 405,440</b>	
<b>O&amp;M</b>	<b>\$ 291,040</b>	<b>\$ 117,566</b>
1D Sediment Transport Study	\$ 100,000	8454
Advertising		874
CFP Cell Phones	\$ 1,600	6286
CFP Telephones	\$ 7,000	7090
CFP Vehicle Verizon Connect	\$ 540	1510
COMMUNICATIONS - RADIOS, ETC	\$ 7,900	628
Computer and Supplies		12874
Communications Fiber - User Fee	\$ 48,500	13060
Dam Safety Consultant	\$ 62,000	25826
Electric Utilities - Secondary Power Feed	\$ 11,500	3643
Fall Protection Equipment	\$ 6,000	5453
FERC Dam Movement Survey	\$ 8,400	2717
FR Clothing - CFP	\$ 9,500	8126
GARBAGE SERVICE - OPERATIONS	\$ 2,400	1737
Operator Remete SCADA Communications	\$ 8,000	7114
Operator Supplies - Dam		1969
Portable Restrooms - Dam		300
Respirator Fit Testing		1484
Rope Access Gear	\$ 3,000	0

Security/Plant Locks	\$ 300	0
Sedimentation Survey	\$ 5,200	0
Shelving & Furniture	\$ 7,000	7583
Subscriptions, Prints, Copies and Maps	\$ 2,200	838
<b>OR&amp;R</b>	<b>\$ 75,400</b>	<b>\$ 15,899</b>
Major Office & Network Equipment	\$ 25,400	0
Security Improvements	\$ 50,000	15899
<b>Special O&amp;M</b>	<b>\$ 39,000</b>	<b>\$ 30,779</b>
CF Vehicle and Equipment Fuel	\$ 16,000	16035
CF Vehicle Maintenance	\$ 12,000	6712
CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200	100
CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300	955
CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,500	6927
<b>Recreation</b>	<b>\$ 2,011,800</b>	
<b>O&amp;M</b>	<b>\$ 411,800</b>	<b>\$ 127,814</b>
Advertising	\$ 3,000	3489
Boat Launch Sediment Removal	\$ 5,000	0
Building Maintenance	\$ 3,200	992
Campground Fire Pits Graveling	\$ 500	612
Campground Hosts	\$ 120,000	0
Campground Internet	\$ 3,000	669
Campground Reservation Software	\$ 5,000	0
Campground Restroom Improvements	\$ 30,000	91
Campground Telephone	\$ 1,300	1059
Campground Wood Chips	\$ 500	0
Contract Septic and Water Services	\$ 27,000	12706
Contract Services (Dock Installation and Removal)	\$ 2,500	0
D-Loop Electrical Design & Feed Replacements	\$ 30,000	47766
Electric Utilities	\$ 6,400	6736
EQUIPMENT REPAIRS - PARK	\$ 3,200	1514
GARBAGE SERVICE - RECREATION	\$ 6,400	4841
Group B Annual Operating Fee - Falls Road Well		60
MAINTENANCE - GRCOND	\$ 3,200	4947
MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400	12821
Noxious Weed Control	\$ -	
Operation Supplies	\$ 2,200	1073
Port Blakely Road Access Agreement	\$ 30,000	0
Port Blakely Road Maintenance	\$ 13,500	0
Portable Restrooms	\$ 2,300	5005
Potable Water and Septic System Testing	\$ 2,000	1762
Recreation Assessment	\$ 90,000	0
<b>Recreation Tree Removal</b>		10710
Repairs & Supplies	\$ 10,000	8307
Sign Replacements	\$ 2,200	480
Tools & Equipment - Recreation	\$ 3,000	2174
<b>OR&amp;R</b>	<b>\$ 1,600,000</b>	<b>\$ 652,689</b>
Copper Canyon Take Out Site Improvements	\$ 1,600,000	652689
<b>Taxes</b>	<b>\$ 65,100</b>	
<b>O&amp;M</b>	<b>\$ 65,100</b>	<b>\$ 35,316</b>
County Taxes	\$ 700	732
Ecology Water Tax	\$ 7,500	0

Business and Sales Tax		584
Privilege Tax	\$ 56,900	34000
<b>Training &amp; Travel</b>	<b>\$ 215,650</b>	
<b>O&amp;M</b>	<b>\$ 191,850</b>	<b>\$ 75,037</b>
American Fisheries Society Meeting	\$ 1,500	0
American Governor Analog Gov Training	\$ 7,000	3671
ASDSO Conference	\$ 2,500	2084
AVO Electrical Series	\$ 4,350	844
CEATI - ANNUAL MEETING	\$ 3,000	10273
CEATI - DSIG MEETING	\$ 2,200	0
CEATI - HPLIG MEETING	\$ 2,800	0
EPTC Fundamentals of Electricity	\$ 7,200	1430
EPTC Generation Series	\$ 3,600	1800
EPTC System Operations Personal Grounding	\$ 1,260	630
EPTC Transmission Series	\$ 3,600	3600
HSI Online Training	\$ 800	647
HydroVision	\$ 3,000	5569
NW Hydro Forum	\$ 800	2076
NWHA - ANNUAL MEETING	\$ 800	1643
NWHA - WORKSHOP	\$ 500	932
NWPPA - LEADERSHIP TRAINING	\$ 3,400	0
OPERATOR TRAINING DEVELOPMENT 2022	\$ 130,000	28897
TPC - ELECTRICAL WORKSHOP	\$ 4,350	5709
TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,390	3585
TRAINING - PESTICIDE APPLICATION	\$ 1,600	472
TRAINING - WATER & WASTEWATER	\$ 1,200	0
Wildlife Classes	\$ 4,000	1175
<b>Special O&amp;M</b>	<b>\$ 23,800</b>	<b>\$ 190</b>
NWPPA - ADMIN ASST TRAINING	\$ 2,400	0
TRAINING - COMPUTER	\$ 800	190
TRAINING - FALL PROTECTION	\$ 8,000	0
TRAINING - ROPE ACCESS	\$ 8,000	0
WPUDA - ADMIN ROUNDTABLE	\$ 600	0
WPLUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$ 4,000	0
<b>Transmission</b>	<b>\$ 63,000</b>	
<b>O&amp;M</b>	<b>\$ 63,000</b>	<b>\$ 3,610</b>
ROW Maintenance	\$ 60,000	2951
Transmission Line Corridor Planting	\$ 3,000	659
<b>Wages, Benefits and Taxes</b>	<b>\$ 3,226,810</b>	
<b>Grand Total</b>	<b>\$ 11,300,100</b>	

O&M	Budget	Expended	% Spent	Completion Rate	
Fish & Wildlife	\$ 210,380	\$ 91,491	43%	65%	67%
Maintenance	\$ 1,767,950	\$ 392,649	22%	33%	
Operations	\$ 291,040	\$ 117,566	40%	61%	
Recreation	\$ 411,800	\$ 127,814	31%	47%	
Taxes	\$ 65,100	\$ 35,316	54%	81%	
Training & Travel	\$ 191,850	\$ 75,037	39%	59%	
Transmission	\$ 63,000	\$ 3,610	6%	9%	
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,001,120</b>	<b>\$ 843,483</b>	<b>28%</b>	<b>42%</b>	
Special O&M	2022	Expended	% Spent	Completion Rate	
General	\$ 1,004,700	\$ 661,985	66%	99%	
Operations	\$ 39,000	\$ 30,729	79%	118%	
Training & Travel	\$ 23,800	\$ 190	1%	1%	
Wage, Benefits, & Taxes	\$ 3,225,810	\$ 2,100,000	65%	98%	**Estimation due to lack of data
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,294,310</b>	<b>\$ 2,792,904</b>	<b>65%</b>	<b>98%</b>	
OR&R	2022	Expended	% Spent	Completion Rate	
Fish & Wildlife	\$ -	\$ -	0%	100%	
Fleet	\$ 37,000	\$ 18,095	49%	73%	
Maintenance	\$ 2,292,270	\$ 929,480	41%	61%	
Operations	\$ 75,400	\$ 15,899	21%	32%	
Recreation	\$ 1,600,000	\$ 652,689	41%	61%	
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 1,616,163</b>	<b>40%</b>	<b>61%</b>	
<b>Grand Total (All Items)</b>	<b>\$ 11,300,100</b>	<b>\$ 5,252,550</b>	<b>46%</b>	<b>70%</b>	

		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%						



Status	Type	In	R0	R1	BPA Question
		Grand Total	\$ 22,909,670	\$ 23,246,675	
		O&M	\$ 2,615,110	\$ 4,143,235	
		Fish & Wildlife	\$ 238,740	\$ 229,440	
1	R	American Fisheries Society (AFS) Membership	\$ 110	\$ 110	
4	NR	CISPUS ADULT FISH SITE RELEASE ANALYSIS	\$ 75,000	\$ 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			
		FSA BiOp Studies			
1	R	Fish & Wildlife Contract Services (RTL Consulting)	\$ 10,000	\$ 10,000	
		Fish Gate Position Indicators			
4	NR	Fishing Pond Sediment Removal	\$ 30,000	\$ 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	R	Habitat & Fish Recovery Services (WDFW)	\$ 10,000	\$ 10,000	
1	R	Habitat Management; Fertilizer, Spraying, Plants	\$ 9,000	\$ 9,000	
1	R	Kid's Trout Derby	\$ 5,600	\$ 5,600	
1	R	Mitigation Trout Program	\$ 47,000	\$ 47,000	
		Noxious Weed Control Contractor	\$ 9,300	\$ -	
		TPU Rearing Facilities Studies			
1	R	USGS Gauging Station Fees	\$ 42,640	\$ 42,640	
1	R	Wildlife Society Membership	\$ 90	\$ 90	
		Maintenance	\$ 1,432,900	\$ 2,792,700	
		ARC FLASH STUDY			
		Automatic Transfer Switch Grouting			
		AVR Testing			
4	NR	Battery Bank Replacement	\$ -	\$ 80,000	What is current condition, when was it last replaced?
4	NR	Battery Chargers	\$ -	\$ 60,000	What is current condition, when was it last replaced?
4	NR	Bridge Sections Inspection & Analysis	\$ 106,000	\$ 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	R	Buffer Zone Management	\$ 3,200	\$ 3,200	
1	R	CAD Software Licensing	\$ 6,000	\$ 6,000	Are these costs shared with Lewis
1	R	Computer Software	\$ 2,000	\$ 2,000	Are these costs shared with Lewis
4	R	Construction Management Software	\$ 7,600	\$ 7,600	Are these costs shared with Lewis
1	R	Contract Crane Inspections	\$ 14,000	\$ 10,000	
1	R	Contract Diesel Generator Maintenance	\$ 12,000	\$ 12,000	
1	R	Contract Drafting Services	\$ 50,000	\$ 50,000	
1	R	Contract Maintenance Elevator	\$ 18,500	\$ 18,500	
1	NR	Control Room / Office Area Repairs - Construction	\$ -	\$ 869,000	
		Control Room / Office Area Repairs - Design			
		Control Room Paperless Recorders			
4	R	Dam Instrumentation	\$ 3,000	\$ 3,000	Is this repair of instrumentation?
		Debris Barrier - Maintenance	\$ -	\$ -	
1	R	Debris Removal - Trash Rake Debris Box	\$ 6,200	\$ 6,200	Is this repair of the debris box?
		Diesel Generator Connection to Spillway Gates 2 & 3			
		Diesel Generator Load Bank			

Status	Type	In	R0	R1	BPA Question
1	R	Diving Services	\$ 16,500	\$ 16,500	Do you have annual diving needs or is this a retainer?
4	NR	Drainage Gallery Air Supply - Alternative Analysis	\$ -	\$ 60,000	Isn't this expense?
		Drainage Pump			
		Drainage Pump Handrail			
4	NR	Drainage Sump Level Indication	\$ 3,500	\$ 3,500	Is this repair or addition of a new sensor?
4	NR	Drainage Sump Study	\$ 48,000	\$ 48,000	Why does this need to happen now?
1	R	Drainage System	\$ 3,000	\$ 3,000	
1	R	Electrical Parts	\$ 14,400	\$ 14,400	Are these spare parts?
4	NR	Elevator Controls - Design	\$ 60,000	\$ 60,000	
		Elevator Controls - Installation			
1	R	Equipment Rental	\$ 17,000	\$ 17,000	
1	R	Equipment Watch Annual Fee	\$ 2,500	\$ 2,500	
		FERC Part 12 Recommendations			
		Forebay and Tailrace Level Sensor Replacement			
1	R	Fuel - Diesel Generator	\$ 1,500	\$ 1,500	
1	NR	Gantry Crane Jib Hoist Load Cell	\$ 15,000	\$ 15,000	
1	NR	Generator Bus Boots	\$ 8,000	\$ 8,000	
1	NR	Generator Oil Mist Piping	\$ 3,000	\$ 3,000	
		Generator Parameter Validation Testing			
1	NR	Governor	\$ 4,000	\$ 4,000	What is this for?
		Governor and Turbine Oil Replacement		\$ 100,000	
1	NR	Governor Jockey Pump	\$ 4,000	\$ 4,000	Is this a replacement?
4	NR	Governor Oil Sump Level Indication	\$ 5,000	\$ 5,000	Is this a replacement?
		GSU Transformer #1 Metering CT Replacement			
		GSU Transformer Maintenance			
		GSU Transformer Oil Processing & Testing			
		GSU Transformer Testing			
1	R	HVAC	\$ 3,500	\$ 3,500	
1	NR	HVAC AH-1 Replacement Office Area	\$ -	\$ 50,000	
		Inspect Upstream Coating Spillway Gate 4			
1	R	Instrumentation Parts	\$ 10,000	\$ 10,000	Why the increase?
		Investigate Draft Tube Liner Issues			
1	R	MAINTENANCE - LOG BRONC	\$ 1,000	\$ 1,000	
1	R	Maintenance - Unanticipated Dam Repairs	\$ 10,000	\$ 10,000	Why wasn't this included in '22? Should have?
1	R	Maintenance Management System	\$ 15,000	\$ 15,000	Are these costs the support contract for the software? What is difference between construction software?
1	R	Maintenance Supplies for Electric Plant	\$ 5,400	\$ 5,400	
1	R	Mechanical & Piping	\$ 10,000	\$ 10,000	
1	R	Mechanical Parts	\$ 14,000	\$ 14,000	



Status	Type	In	R0	R1	BPA Question
1	R	Metal	\$ 13,000	\$ 13,000	
1	R	Mobile Crane Maintenance	\$ 1,500	\$ 1,500	
4	R	North Rock Wall Scaling (Every 5 years)	\$ 150,000	\$ 183,800	Prior rock scaling was estimated to be good for 6-7 years. Please provide reasoning this cost expenditure is required in FY23
4	NR	Oil Bearing Level Sensors - Unit 1	\$ 24,000	\$ 24,000	Is this sensor new or replacing a broken one?
		Oil Bearing Level Sensors - Unit 2			
4	NR	Oil Storage Tank Level Sensors	\$ 6,000	\$ 6,000	
1	R	Painting & Special Coatings	\$ 3,200	\$ 3,200	
1	NR	Piezometer Pressure Transmitters	\$ 18,000	\$ 18,000	
1	R	Plant Lighting	\$ 1,000	\$ 1,000	
1	R	Plant Water Walls & Testing	\$ 1,200	\$ 1,200	
1	R	Protection & Control Support	\$ 8,000	\$ 8,000	Need more detail as for this line item.
		Protective Relay Testing			
		Recoat Top Deck Above Control Room			
		Repaint Elevator Shaft Exterior			
		Repaint Stairwell Interior			
		Rotor Braided Jumpers			
1	R	Safety Equipment - Non PPE	\$ 5,000	\$ 5,000	
		Sandblast and Coat Draft Tube Platform Brackets			
1	R	SCADA Network Support	\$ 10,700	\$ 10,700	
4	R	SCADA Support	\$ 200,000	\$ 200,000	What is the driver for the \$80k increase from FY22
		Seismic Study			
		Septic System Maintenance - Dam			
1	R	Service Air Compressor	\$ 1,000	\$ 1,000	
		Service Water System Design			
1	NR	Service Water System Rehabilitation	\$ 45,000	\$ 45,000	Why? Are there tests showing an emergent need?
1	NR	Service Water VFD & Controls Replacement	\$ -	\$ 16,000	
1	R	Sluice Gate Bulkhead Seals - Replacement	\$ 2,500	\$ 2,500	
		SMAG Power Connection & Cable			
1	R	Smoke Detectors & Fire Water Systems	\$ 3,000	\$ 3,000	
		Spillway 1 Apron Repairs - Alternative Analysis			
		Spillway Gate 4 Bottom Seal Repair			
4	NR	Spillway Gate Control - Alternative Analysis	\$ -	\$ 50,000	Is this expense?
4	NR	Spillway Gate Finite Element Analysis	\$ 90,000	\$ 90,000	Why this year?
1	R	Spillway Gates	\$ 5,000	\$ 5,000	
1	NR	Station Service cabinet Inputs Into SCADA - Design	\$ 4,000	\$ 4,000	
		Station Service cabinet Inputs Into SCADA - Installation			
		Station Service Circuit Breaker Replacement - Alternative Analysis			
		Steel Structures & Equipment Coating			
		Structure Maintenance: Concrete, Fencing	\$ -	\$ -	
1	NR	Temporary Offices	\$ 230,000	\$ 230,000	What are these offices for? Why the large charge in FY23 and assuming that they will be leased?
1	R	Tools & Equipment - Operations	\$ 22,000	\$ 22,000	Why the large increase?
1	R	Transformer Oil Processing & Testing	\$ 1,000	\$ 1,000	
		Trunnion Friction Testing			

Status	Type	In	R0	R1	BPA Question
1	R	Turbidity Sensor Communication	\$ 1,000	\$ 1,000	
4	NR	Turbine Oil Level Indication	\$ 15,000	\$ 15,000	Why the need row?
1	R	Turbine Shaft Seals	\$ 30,000	\$ 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			
4	NR	Unit Instrumentation - Alternative Analysis	\$ -	\$ 45,000	The title sounds like a study or expense.
		Unit Turbine Gage Board Inputs into SCADA - Design			
4	NR	Unit Turbine Gage Board Inputs into SCADA - Installation	\$ 35,000	\$ 35,000	
1	NR	Upper Guide Bearing Oil Sample Ports	\$ 4,000	\$ 4,000	
		Warehouse Repairs			
		<b>Operations</b>	<b>\$ 262,600</b>	<b>\$ 302,600</b>	
		1D Sediment Transport Study			
1	R	Advertising - Dam	\$ 1,200	\$ 1,200	
1	R	CFP Cell Phones	\$ 8,400	\$ 8,400	Why the increase?
1	R	CFP Telephones	\$ 10,800	\$ 10,800	Why the increase?
1	R	CFP Vehicle Verizon Connect	\$ 2,300	\$ 2,300	Why the increase?
1	R	COMMUNICATIONS - RADIOS, ETC	\$ 8,100	\$ 8,100	
1	R	Communications Fiber - User Fee	\$ 48,500	\$ 48,500	
1	R	Computer & Supplies	\$ 6,000	\$ 6,000	Why the increase?
1	R	Dam Safety Consultant	\$ 64,000	\$ 64,000	
1	R	Electric Utilities - Secondary Power Feed	\$ 11,800	\$ 11,800	
1	R	Fall Protection Equipment	\$ 5,000	\$ 6,000	
1	R	FERC Dam Movement Survey	\$ 8,800	\$ 8,800	
1	R	FR Clothing - CFP	\$ 9,500	\$ 9,500	
1	R	GARBAGE SERVICE - OPERATIONS	\$ 2,400	\$ 2,400	
1	R	Operator Remote SCADA Communications	\$ 9,000	\$ 9,000	
1	R	Operator Supplies - Dam	\$ 1,500	\$ 1,500	
		Portable Restrooms - Dam			
1	R	Respirator Fit Testing	\$ 1,500	\$ 1,500	
1	R	Rope Access Gear	\$ 4,500	\$ 4,500	
1	R	Security/Plant Locks	\$ 300	\$ 300	
4	NR	Sedimentation Report	\$ 50,000	\$ 50,000	What is this for?
		Sedimentation Report Annual Updates	\$ -	\$ -	
1	NR	Sedimentation Survey	\$ 5,800	\$ 5,800	
4	NR	Shelving & Furniture	\$ -	\$ 40,000	
1	R	Subscriptions, Prints, Copies and Maps	\$ 2,200	\$ 2,200	
		<b>Recreation</b>	<b>\$ 306,760</b>	<b>\$ 455,760</b>	
1	R	Advertising	\$ 3,600	\$ 3,600	
1	R	Boat Launch Sediment Removal	\$ 5,000	\$ 5,000	
1	R	Building Maintenance	\$ 3,200	\$ 3,200	
		Campground Fire Pits Graveling			
1	R	Campground Host	\$ 125,000	\$ 125,000	What is the actual need, seems high. Is this for all of the temporary offices?
1	R	Campground Internet	\$ 3,200	\$ 3,200	
4	NR	Campground & Day Use Park Paving	\$ -	\$ 150,000	Are these costs based on estimates?
1	R	Campground Reservation Software	\$ 5,200	\$ 5,200	
4	NR	Campground Restroom Improvements			Was this work completed in '22?
1	R	Campground Telephone	\$ 1,500	\$ 1,500	
1	R	Campground Wood Chips	\$ 500	\$ 500	
1	R	Contract Septic and Water Services	\$ 27,000	\$ 27,000	
		Contract Services (Backhoe, Gravel)	\$ -	\$ -	
1	R	Contract Services (Dock Installation and Removal)	\$ 2,700	\$ 2,700	

Status	Type	In	R0	R1	BPA Question
4	NR	D-Loop Electrical Design & Feed Replacements			Was this work completed in '22?
1	R	Electric Utilities	\$ 11,500	\$ 11,500	Why the increase?
1	R	EQUIPMENT REPAIRS - PARK	\$ 3,500	\$ 3,500	
1	R	GARBAGE SERVICE - RECREATION	\$ 6,600	\$ 6,600	
1	R	Group B Annual Operating Fee - Falls Road Well	\$ 60	\$ 60	
1	R	MAINTENANCE - GROUND	\$ 3,400	\$ 6,400	
1	R	MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400	\$ 6,400	
		Noxious Weed Control	\$ 6,000	\$ -	What is this for with the new plan to train existing employees? Is this for material?
1	R	Operation Supplies	\$ 2,200	\$ 2,200	
1	R	Port Blakeley Road Access Agreement	\$ 30,000	\$ 30,000	
1	R	Port Blakeley Road Maintenance	\$ 13,500	\$ 13,500	
1	R	Portable Restrooms	\$ 13,000	\$ 15,000	
1	R	Potable Water and Septic System Testing	\$ 2,200	\$ 2,200	
		Recreation Assessment			
1	R	Recreation Tree Removal	\$ 10,000	\$ 10,000	
1	R	Repairs & Supplies	\$ 10,000	\$ 10,000	
1	R	Septic System Maintenance - Recreation	\$ 6,000	\$ 6,000	
1	R	Sign Replacements	\$ 2,500	\$ 2,500	
1	R	Tools & Equipment - Recreation	\$ 3,000	\$ 3,000	
		<b>Taxes</b>	<b>\$ 65,100</b>	<b>\$ 65,100</b>	
1	R	County Taxes	\$ 700	\$ 700	
1	R	Ecology Water Tax	\$ 7,500	\$ 7,500	
1	R	Privilege Tax	\$ 56,900	\$ 56,900	
		<b>Training &amp; Travel</b>	<b>\$ 109,110</b>	<b>\$ 97,735</b>	
1	R	American Fisheries Society Meeting	\$ 1,500	\$ 1,500	
1	R	American Governor Analog Gov Training	\$ 8,500	\$ 8,500	
1	R	American Governor School	\$ 8,000	\$ -	
1	R	ASDSO Conference	\$ 2,500	\$ 2,500	
1	R	AVC Circuit Breaker Maintenance	\$ -	\$ 5,000	
1	R	AVC Electrical Series	\$ 4,350	\$ -	
1	R	AVC Substation Maintenance I	\$ 5,000	\$ -	
1	R	AVC Thermography I	\$ 5,000	\$ 5,000	
		AVC Thermography II			
1	R	CEATI - ANNUAL MEETING	\$ 10,500	\$ 10,500	Why has this increased?
1	R	CEATI - ASSET Management Meeting	\$ 1,800	\$ 1,800	
1	R	CEATI - DS-G MEETING	\$ 4,400	\$ 4,400	
1	R	CEATI - HPEIG MEETING	\$ 4,400	\$ 4,400	
		CEATI - HPLIG MEETING			
1	R	Clean Currents Conference	\$ -	\$ 6,000	
		EPTC Fundamentals of Electricity			
		EPTC Generation Series			
1	R	EPTC Power Plant Operation	\$ 7,000	\$ -	
1	R	EPTC Generation Series	\$ -	\$ 1,260	
1	R	EPTC Relay Protection	\$ 3,500	\$ -	
1	R	EPTC Switching & Grounding	\$ 7,000	\$ 4,000	
1	R	EPTC System Operations Personal Grounding	\$ 1,250	\$ -	
1	R	EPTC Transmission Series	\$ 3,600	\$ 1,875	
1	R	HSI Online Training	\$ 800	\$ 800	
1	R	HydroVision	\$ 3,000	\$ -	
1	R	NW Hydro Forum	\$ 1,600	\$ 1,600	
1	R	NWHA - ANNUAL MEETING	\$ 800	\$ 800	
1	R	NWHA - WORKSHOP	\$ 2,000	\$ 2,000	
1	R	NWPPA - LEADERSHIP TRAINING	\$ 3,400	\$ 3,400	
		OPERATOR TRAINING DEVELOPMENT 2022			

Status	Type	In	R0	R1	BPA Question
1	R	TPC - ELECTRICAL WORKSHOP	\$ 5,000	\$ -	
1	R	TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,400	\$ -	
1	R	TRAINING - CRANE	\$ 4,000	\$ 6,500	
1	R	TRAINING - MANLIFT/FORKLIFT	\$ -	\$ 4,000	
1	R	TRAINING - PESTICIDE APPLICATION	\$ 1,600	\$ 1,600	
1	R	TRAINING - SEL Generator Relay	\$ -	\$ 4,800	
1	R	TRAINING - Western Protective Relay	\$ -	\$ 3,000	
1	R	TRAINING - Reckwell Automation Fair	\$ -	\$ 3,800	
1	R	TRAINING - Factory Talk Training	\$ -	\$ 3,500	
1	R	TRAINING - WATER & WASTEWATER	\$ 1,200	\$ 1,200	
1	R	Wildlife Classes	\$ 4,000	\$ 4,000	
		<b>Transmission</b>	<b>\$ 62,000</b>	<b>\$ 62,000</b>	
1	R	ROW Maintenance	\$ 60,000	\$ 60,000	
1	R	Transmission Line Corridor Planting	\$ 2,000	\$ 2,000	
		<b>Wage, Benefits, &amp; Taxes</b>	<b>\$ 137,900</b>	<b>\$ 137,900</b>	
1	R	OT Taxes	\$ 4,500	\$ 4,500	
1	R	Social Security Medicare	\$ 133,400	\$ 133,400	
1	R	Social Security Medicare - F&W Tech	\$ -	\$ -	
		<b>Special O&amp;M</b>	<b>\$ 5,098,660</b>	<b>\$ 5,164,540</b>	
		<b>General</b>	<b>\$ 1,094,460</b>	<b>\$ 1,169,040</b>	
1	R	A&G Exhibit F	\$ 382,800	\$ 414,060	
1	R	ASDSO - Government Membership	\$ 60	\$ 60	
1	R	Auditing - Accountability	\$ 2,350	\$ 2,350	
1	R	Auditing - Financial	\$ 19,450	\$ 19,450	
		Budget Facilitator			
1	R	CEATI - MEMBERSHIP	\$ 42,000	\$ 65,300	
1	R	CEATI - PROJECTS	\$ 15,000	\$ 15,000	
1	R	Compliance Consultant	\$ 65,000	\$ 65,000	
4	R	Document Management Software	\$ 30,000	\$ 50,000	
1	NR	Document Scanning	\$ 5,000	\$ 5,000	
1	R	FERC Annual Fee	\$ 103,000	\$ 103,000	
1	R	Fire District Payment	\$ 20,000	\$ 20,000	
4	NR	Infrastructure Grant Proposal (HDR)	\$ 50,000	\$ 50,000	
1	R	INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$ 7,500	\$ 7,500	
1	R	INSURANCE - EXCESS LIABILITY	\$ 26,000	\$ 26,000	
1	R	INSURANCE - LIABILITY	\$ 11,000	\$ 11,000	
1	R	INSURANCE - PROPERTY	\$ 210,000	\$ 210,000	
1	R	LEGAL SERVICES - BIOP & FERC ISSUES	\$ 25,000	\$ 25,000	
1	R	LEGAL SERVICES - GENERAL ISSUES	\$ 20,000	\$ 20,000	
1	R	Long Range Plan Analysis	\$ 35,000	\$ 35,000	Please provide current LRP for BPA review and justification for necessity of peripuity costs.
1	R	NWHA Membership	\$ 1,000	\$ 1,000	
1	R	OFFICE SUPPLIES AND EXPENSES	\$ 9,300	\$ 9,300	
1	NR	Records Clean Up	\$ 15,000	\$ 15,000	
		<b>Operations</b>	<b>\$ 57,300</b>	<b>\$ 46,600</b>	
1	R	CF Vehicle and Equipment Fuel	\$ 31,200	\$ 22,500	Why has cost doubled from FY22?
1	R	CF Vehicle Maintenance	\$ 15,000	\$ 15,000	
1	R	CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200	\$ 3,200	
1	R	CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300	\$ 1,300	
1	R	CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,600	\$ 6,600	

Status	Type	In	R0	R1	BPA Question
		<b>Training and Travel</b>	\$ 26,800	\$ 26,800	
1	R	ARC FLASH TRAINING	\$ 3,000	\$ 3,000	
1	R	NWPPA - ADMIN ASST TRAINING	\$ 2,400	\$ 2,400	
1	R	TRAINING - COMPUTER	\$ 800	\$ 800	
1	R	Training - Confined Space	\$ 8,000	\$ 8,000	
	R	TRAINING - FALL PROTECTION			
1	R	TRAINING - ROPE ACCESS	\$ 8,000	\$ 8,000	
1	R	WPUA - ADMIN ROUNDTABLE	\$ 600	\$ 600	
1	R	WPUA/APPA/NWPPA - ACCOUNTANT TRAINING	\$ 4,000	\$ 4,000	
		<b>Wage, Benefits, &amp; Taxes</b>	\$ 3,920,100	\$ 3,920,100	
1	R	Employee Medical Insurance	\$ 510,800	\$ 510,800	
		Employee Medical Insurance - F&W Tech	\$ -	\$ -	
1	R	Employer PERS	\$ 175,600	\$ 175,600	
		Employer PERS F&W Tech	\$ -	\$ -	
1	R	ES Support Overhead	\$ 527,200	\$ 527,200	
		ES Support Overhead - IS/IT	\$ -	\$ -	
		ES Support Overhead - Purchasing	\$ -	\$ -	
1	R	ES Support Wages	\$ 754,700	\$ 754,700	
		ES Support Wages - IS/IT	\$ -	\$ -	
		ES Support Wages - Purchasing	\$ -	\$ -	
1	R	Flu Shot Clinics	\$ 400	\$ 400	
1	R	L&I Employer	\$ 27,500	\$ 27,500	
		L&I Employer F&W Tech	\$ -	\$ -	
1	R	Long Term Disability	\$ 4,600	\$ 4,600	
1	R	Long Term Disability - F&W Tech	\$ -	\$ -	
1	R	Misc Pension & Benefits, CDL, Medical Exam, etc	\$ 5,000	\$ 5,000	
		Misc Pension & Benefits, CDL, Medical Exam, etc - F&W Tech	\$ -	\$ -	
1	R	OT Benefits	\$ 7,400	\$ 7,400	
1	R	OT Wages	\$ 59,100	\$ 59,100	
1	R	Paid Family Leave Benefit	\$ 3,400	\$ 3,400	
		Paid Family Leave Benefit - F&W Tech	\$ -	\$ -	
1	R	PCORI ACA Requirement	\$ 100	\$ 100	
1	R	PL Cash Out	\$ 5,000	\$ 5,000	
1	R	PL to VEBA Cash Out	\$ 16,000	\$ 16,000	
1	R	Retiree/COBRA Med Ins - Premiums & Claims	\$ 20,000	\$ 20,000	
1	R	Short Term Disability	\$ 2,000	\$ 2,000	
		Short Term Disability - F&W Tech	\$ -	\$ -	
1	R	Standby Pay	\$ 39,500	\$ 39,500	
1	R	Term Insurance Benefit	\$ 1,200	\$ 1,200	
		Term Insurance Benefit - F&W Tech	\$ -	\$ -	
1	R	VEBA Benefit	\$ 16,900	\$ 16,900	
		VEBA Benefit - F&W Tech	\$ -	\$ -	
1	R	Wages	\$ 1,743,700	\$ 1,743,700	
		Wages - F&W Tech	\$ -	\$ -	
		<b>OR&amp;R</b>	\$ 14,894,900	\$ 14,233,900	
		<b>Fish &amp; Wildlife</b>	\$ 955,000	\$ 170,000	
		(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	\$ 120,000	Need additional information for this project and associated costs and justification in a justification sheet.
		Man-Made Island Canal - Construction			
4		Man-Made Island Canal - Design	\$ 50,000	\$ 50,000	
		Wildlife Meadows Unit #5			
4		Wildlife Mitigation Land	\$ 785,000	\$ -	Under legal review. BPA cannot support finding at this time.

Status	Type	In	R0	R1	BPA Question
		<b>Fleet</b>	\$ 90,000	\$ 85,000	
		Mower			
1		RT Fork Lift	\$ 85,000	\$ 85,000	Why does this need to be purchased now?
		Side By Side			
		Truck Box Crane	\$ 5,000	-	Why does this need to be purchased now?
		Vehicle			
		Vehicle for Replacement			
		Vehicle for Resource Worker			
		<b>Maintenance</b>	\$ 13,524,900	\$ 13,803,900	
1		5-Ton Bridge Crane	\$ 865,000	\$ 865,000	Updated IS required. What is the scope.
4		Battery Bank Replacement	\$ 80,000	-	What is current condition, when was it last replaced?
4		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	\$ 60,000	
4		Boat Barrier Replacement - Installation	\$ 1,809,000	\$ 2,060,000	Updated IS required.
4		Debris Barrier Coating & Cathodic Protection - Construction	\$ 3,680,800	\$ 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	\$ 10,000	
		Downstream Notification Siren - Installation	\$ -	\$ -	
4		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			
		Elevator Roof Access - Design			
1		Elevator Roof Access - Installation	\$ 25,000	\$ 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	\$ 215,000	
1		HVAC AH-1 Replacement Office Area	\$ 50,000	\$ -	
		Generator Protective Relay Replacement - Installation			
		Intake Gate Slot Cover - Alternative Analysis			
		Lathe			
		Mobile Diesel Generator & Log Bronc Cover			
		New Facility - Construction			
		New Facility - Design			
1		New Facility - Site Preparation	\$ 1,068,100	\$ 1,668,100	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	\$ 18,000	
		Roadway Lighting			
1		Service Water VFD & Controls Replacement	\$ 16,000	\$ -	
		Sluice Gate Replacement - CFD & Physical Model Design			

Status	Type	In	R0	R1	BPA Question
		Sluice Gate Replacement - Construction 1			
		Sluice Gate Replacement - Construction 2			
		Sluice Gate Replacement - Construction 3			
		Sluice Gate Replacement - Design 1			
4		Sluice Gate Replacement - Design 2	\$ 867,700	\$ 867,700	Updated IS 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			
4		Spillway 4 Rail Extension - Construction	\$ 3,768,300	\$ 3,768,300	Is this an addition to capability?
		Spillway 4 Rail Extension - Design			
4		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			
		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			
2		Transmission Line Access - Bridge Replacement	\$ 275,000	\$ 75,000	Is this expense?
		Trash Rake - Alternative Analysis			
		Trash Rake Construction			
4		Trash Rake Design	\$ 191,000	\$ 191,000	Does this need to be completed this year?
		Trash Removal System - Alternative Analysis			
		Trash Removal System - Construction			
4		Trash Removal System - Design	\$ 300,000	\$ 300,000	Is this part of the trash rake design?
4		Unit Instrumentation - Alternative Analysis	\$ 45,000	\$ -	The title sounds like a study or expense.
		Unit Instrumentation - Design			
		Unit Instrumentation - Installation			
		Operations	\$ 105,000	\$ 105,000	
1		Major Office & Network Equipment	\$ 25,000	\$ 25,000	
1		Security Improvements	\$ 80,000	\$ 80,000	
		Recreation	\$ 220,000	\$ 70,000	
4		Campground A Loop Restroom - Design	\$ 60,000	\$ 60,000	Has the current restroom failed? How close to failure
		Campground A Loop Restroom - Installation			
4		Campground & Day Use Park Paving	\$ 150,000	\$ -	Are these costs based on estimates?
		Campground Electrical Replacement - Design			
		Campground Electrical Replacement - Installation			
		Campground Storage Building - Design			
		Campground Storage Building - Installation			
		Copper Canyon Take Out Site Improvements			
1		Day Use Park Flat Water Kayak Take Out	\$ 10,000	\$ 10,000	
		Project Revenue	\$ 99,000	\$ 295,000	
1		Campground Revenue (Net of Service Fees)	95000	95000	
1		Interest Income	4000	200000	





Lewis Response	BPA Narrative	
		353880
<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 - Not enough information to have certainty of costs and responsibility. Defer until figure out Tacoma's cost share and details figured out. Need to review MOU's and gain understanding of organizational responsibility. 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?</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 to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Dependent on flows/floods, determine if needed during operating year and if there is under-runs to cover. These activities qualify for the \$350k that is set up for contingency events.</p>	
	Mitigation requirement.	
	Mitigation requirement.	
	Important, but not critical.	
	Mitigation requirement.	
	Remove - Per Lewis, they can't find contractor, will train staff to perform duties.	
	Dam safety and operationally important	
	Not critical.	
	Defer - no: Imminent failure	
	Defer - no: Imminent failure	
<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 - Does not seem critical, need more specific information on scope and sections that "need" inspection along with updated costs. Information provided to date does not demonstrate critical need to be included in FY23 budget. Can place on defer list and execute during the OY if funds are available in under-runs. Was an analysis completed for the section of dam regarding the Spillway 4 Crane Rail Extension? If so, is that analysis included in this analysis?</p>	
	Move to Exhibit 2	
<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>	Move to Exhibit 2	
<p>These cost are based on Cowlitz Falls usage</p>	Defer - Not certain of the need and benefit. No large construction program at the relatively small project and doesn't appear to be complex enough to warrant construction management software. And, assume that contractors would be managing their work with their own software.	
<p>These cost are based on Cowlitz Falls usage</p>	Annual requirement.	
<p>Yes, these are required annual inspections</p>	Critical to operations	
	Important, but not critical.	
	Critical to operations	
	New item, uncertain of justification.	
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs. \$350k fund can cover.	
<p>This is for disposal of the debris that is deposited in the box from raking the trash with the trash rate.</p>	Ok - routine work.	

Lewis Response	BPA Narrative
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. WE occasionally, need divers for inspecting the unit trash racks during periods of debris build up.	Ok - recurring need to support maintenance. Defer - no clear need for this year.
This is for a new sensor. We currently do not have level indication in our drainage sump. We do have high level alarms. This is to get ahead of oil containment/skimming/processing issues.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue or relatively high risk. Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue. Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is a general maintenance item for annual repairs and parts.	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is generally for replacement parts, some small construction projects, and some spare parts	Defer - No clear imminent failure of poor operational condition.
This is an annual fee for access to pricing for rental and contractual fee. This is used in writing and enforcing contracts.	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. Important as it is additional safety but not critical
The generator bus boots would cover bus connections not currently covered. 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. This is to add level indication for the governor oil sump.	Critical, reliability - critical spare part. Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
This is for maintenance parts and some contractual services.	Important for climate control - materials and contractual services when needed Critical - office safety
This is mostly for replacement of various instrumentation in the plant. There is some new instrumentation in the plant.	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs. 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.	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
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.	Important but not critical. Could help with efficiency of conducting maintenance and condition assessment and equipment history.
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
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	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.

Lewis Response	BPA Narrative
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with DY fund under-runs.
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. Would like to review the justification of continuation of North Rock Wall Scaling work (study, proposal etc.)? What has changed since original discussion of work, why did costs increase? Will now need a justification sheet.
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 - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
We do not have oil tank level sensors. This is a new sensor.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
This is to install plezometers with digital outputs into our SCADA system. This will give us more accurate and consistent plezometer 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
	Critical for remote monitoring and operations.
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.	Defer - Need to validate costs through tracking expenses.
	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.	Critical due to equipment condition and lack of functionality.
	Important - VFD's no longer supported.
	Critical - major feature maintenance.
	Critical - plant safety and fire protection.
	Defer - no; an urgent need.
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.	Important - additional ability to monitor operations.
The office are 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.
	Critical for transformer maintenance and generation reliability.
This is for Verizon service to provide communication to our turbidity sensors.	

Lewis Response	BPA Narrative
We do not have turbine oil level indication. This will assist us in determine if we have any oil leakage.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
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 rep'aced recently and these costs are for a full set.	Critical - critical spare part.
	Defer - no urgent requirement or need.
	Defer - no urgent requirement
	Important - allows monitoring of oil for equipment condition monitoring.
	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 mounain antennas.	Critical for comms
	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
	Critical for operation of facility
We have new employees that need to get outfitted.	Critical for safety
Yes, this is contracted.	Requirement of FERC License
This is purchased through a selected vendor.	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
This is to cover the equipment that we use 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 mangemet plan for Cowit Falls. This will also satisfy a FERC requirement for a sediment mangemet plan. WA DEQ requires a plan '27 requirement.	Defer - can defer until '24 to '26 in light of high budget amount and demonstrated needs in other areas.
	Operational requirement
	This is a new item not in the original budget request and conflicts with other line items requesting furnishing.
	Important for operational support
Yes, this is contracted. This dears 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
	Defer - Not critical, currently have furnishings.
	Critical support of personnel.
	Defer - no urgent need or safety of visitors issues cited.
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

Lewis Response	BPA Narrative
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 and 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 currently 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 line item is to pump out our septic system tanks and vaults. Line item 304 is for contractual services to assist us with our septic and water systems.	Critical - operations and maintenance
	Critical - operations and maintenance
	Critical - operations and maintenance
	Important - not critical
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	Important - not critical
This is based on actuals. Actuals thru July are \$10,275 - no other costs for the rest of the year	Important - not critical
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Lewis Response	BPA Narrative
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
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Lewis Response	BPA Narrative
	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
	Critical - safety
	Critical - safety
This training will take several years to complete.	Important - not critical
	Important - not critical
	Need to discuss additional labor added to Cowlitz Falls. Looking for reasonable workload increase and expected FTE allocation as appropriate. Compare previous years and staffing to any new requirements.
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 sharefile folder.	Defer - Need Actual Costs before agreement - too many unknowns concerning costs.
	Defer - not critical
	Defer - legal

Lewis Response	BPA Narrative
This could be deferred 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. However, cost estimate seems high.
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
	Important - supports other work and already design complete.
	Defer - design is not complete, size seems still under consideration therefore costs could be different. Would recommend a design and sizing be done before requesting funds.
	Defer - not imminent failure
	Defer - not imminent failure
	Critical for safety of public
	Defer until permit is received, alternatives discussed, security benefit described and design complete for more accurate estimate of construction. Construction work window is Nov - Feb so expenditures should be separated and staged, design, procurement and then install.
	Defer until USACE permit received, could be several years.
	Critical - safety of public
	Defer - no clear need for this year.
	Critical for maintenance access.
	Critical - office safety
	Important - work already in flight.
	Critical - security of facility
	Important - VFD's no longer supported.



Lewis Response	BPA Narrative
	Defer - Need more discussion, can defer as it is not urgent
	Project already in flight, costs may change when bids are received. Need more conversation and analysis and justification.
	Defer - not an urgent need.
	Defer - no urgent need. Will need further investigation of options.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etc for coordinating the collection and removal of debris.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etc for coordinating the collection and removal of debris.
	Defer - no urgent requirement or need.
	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.
	Important - support of recreational users.



A large empty table with multiple rows and columns, occupying the left side of the page. The table has a grid structure with thin black lines. It consists of approximately 25 rows and 3 columns. The first column is the widest, followed by a narrower second column, and a very narrow third column on the right. The table is currently empty of any data.






A large, empty table with many rows and one column. The table is rectangular and occupies the left side of the page. It consists of approximately 35 rows and 1 column. The cells are empty and separated by thin black lines.







NO



A large, empty table with many rows and one column. The table is oriented vertically and occupies the left side of the page. It consists of a single column of approximately 40 rows. The table is empty, with no data or text visible within the cells.

This image shows a large, empty grid or table structure. It consists of approximately 25 columns and 45 rows, forming a rectangular area. The grid lines are thin and light gray, and the entire grid is currently blank, with no data or text entered.

Subnet	2022	Status	Subtotal	%
O&M	\$ 4,143,235	Accepted	\$ 2,616,335	63%
		Additional Info Needed	\$ -	0%
		Remove	\$ 1,426,900	34%
Special O&M	\$ 5,164,540	Accepted	\$ 5,064,540	98%
		Additional Info Needed	\$ -	0%
		Remove	\$ 100,000	2%
OR&R	\$ 14,233,900	Accepted	\$ 3,136,100	22%
		Additional Info Needed	\$ 120,000	1%
		Remove	\$ 10,977,800	77%
Grand Total	\$ 23,541,675	Accepted	\$ 10,816,975	46%
		Additional Info Needed	\$ 120,000	1%
		Remove	\$ 12,504,700	53%
		Remaining	\$ (100,000)	

	Budget Year		2023 (Supported)	% of Requested Amount	
	2022	2023 (Requested)			
<b>2023 - 2029 O&amp;M</b>					
Fish & Wildlife	\$ 210,380	\$ 229,440	\$ 124,440	54%	
Maintenance	\$ 1,767,950	\$ 2,792,700	\$ 1,610,800	58%	
Operations	\$ 291,040	\$ 302,600	\$ 212,600	70%	
Recreation	\$ 416,800	\$ 455,760	\$ 305,760	67%	
Taxes	\$ 65,100	\$ 65,100	\$ 65,100	100%	
Training & Travel	\$ 191,850	\$ 97,735	\$ 97,735	100%	
Transmission	\$ 63,000	\$ 62,000	\$ 62,000	100%	
Wage, Benefits, & Taxes	\$ 113,360	\$ 137,900	\$ 137,900	100%	
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,119,480</b>	<b>\$ 4,143,235</b>	<b>\$ 2,616,335</b>	<b>63%</b>	
<b>2022 - 2023 Special O&amp;M</b>					
General	\$ 1,004,700	\$ 1,169,040	\$ 1,069,040	91%	
Operations	\$ 39,000	\$ 48,600	\$ 48,600	100%	
Training & Travel	\$ 23,800	\$ 26,800	\$ 26,800	100%	
Wage, Benefits, & Taxes	\$ 3,113,450	\$ 3,920,100	\$ 3,920,100	100%	
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,180,950</b>	<b>\$ 5,164,540</b>	<b>\$ 5,064,540</b>	<b>98%</b>	
<b>2022 - 2023 OR&amp;R</b>					
Fish & Wildlife		\$ 170,000	\$ -	0%	
Fleet	\$ 37,000	\$ 85,000	\$ 85,000	100%	
Maintenance	\$ 2,292,270	\$ 13,803,900	\$ 2,936,100	21%	
Operations	\$ 75,400	\$ 105,000	\$ 105,000	100%	
Recreation	\$ 1,600,000	\$ 70,000	\$ 10,000	14%	
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 14,233,900</b>	<b>\$ 3,136,100</b>	<b>22%</b>	
Project Revenue	\$ 99,000	\$ 295,000	\$ 295,000	100%	
<b>Grand Total (All Items)</b>	<b>\$ 11,206,100</b>	<b>\$ 23,246,675</b>	<b>\$ 10,521,975</b>	<b>45%</b>	
<b>Routine Program</b>					
	Total Req	Requested		Agreed	
		Recurring	Non-recurring	Recurring	Non-recurring
<b>2023 O&amp;M</b>					
Fish & Wildlife	\$ 229,440	\$ 124,440	\$ 105,000	\$ 124,440	\$ 105,000
Maintenance	\$ 2,692,700	\$ 735,200	\$ 1,957,500	\$ 340,800	\$ 1,270,000
Operations	\$ 302,600	\$ 206,800	\$ 95,800	\$ 206,800	\$ 5,800
Recreation	\$ 455,760	\$ 305,760	\$ 150,000	\$ 305,760	\$ -
Taxes	\$ 65,100	\$ 65,100	\$ -	\$ 65,100	\$ -
Training & Travel	\$ 97,735	\$ 97,735	\$ -	\$ 97,735	\$ -
Transmission	\$ 62,000	\$ 62,000	\$ -	\$ 62,000	\$ -
Wage, Benefits, & Taxes	\$ 137,900	\$ 137,900	\$ -	\$ 137,900	\$ -
<b>Grand Total (O&amp;M)</b>	<b>\$ 4,043,235</b>	<b>\$ 1,734,335</b>	<b>\$ 2,306,300</b>	<b>\$ 1,340,535</b>	<b>\$ 1,380,800</b>
		Requested		Agreed	
		Recurring	Non-recurring	Recurring	Non-recurring
<b>2023 Special O&amp;M</b>					
General	\$ 1,169,040	\$ 1,099,040	\$ 70,000	\$ 1,049,040	\$ 50,000
Operations	\$ 48,600	\$ 48,600	\$ -	\$ 48,600	\$ -
Training & Travel	\$ 26,800	\$ 26,800	\$ -	\$ 26,800	\$ -
*Wage, Benefits, & Taxes	\$ 3,920,100	\$ 3,920,100	\$ -	\$ 3,920,100	\$ -
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 5,164,540</b>	<b>\$ 5,094,540</b>	<b>\$ 70,000</b>	<b>\$ 5,044,540</b>	<b>\$ 50,000</b>

\* Dispute total budget as it includes new job assignments and costs

	FY22	FY23 Target	FY23 Proposed	Difference
	\$ 3,119,480.00	\$ 1,909,670.00	\$ 2,516,110.00	\$ (605,440.00)
	\$ 4,180,950.00	\$ 3,980,950.00	\$ 5,098,660.00	\$ (1,117,710.00)
	\$ 4,004,670.00	\$ 6,404,670.00	\$ 15,093,900.00	\$ (8,689,230.00)
	\$ 11,305,100.00	\$ 12,295,290.00	\$ 22,708,670.00	\$ (10,413,380.00)

Percentage Agreed		
Recurring	Non-recurring	
100%	100%	
46%	65%	** Budget for SCADA needs to be reduced
100%	6%	
100%	0%	
100%	#DIV/0!	
100%	#DIV/0!	
100%	#DIV/0!	
100%	#DIV/0!	
77%	60%	
Percentages Agreed		
Recurring	Non-recurring	
95%	71%	
100%	#DIV/0!	
100%	#DIV/0!	
100%	#DIV/0!	
99%	71%	

2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget Year	Expended
(Excludes Wages & Benefits)	2022	
<b>Fish &amp; Wildlife</b>	\$ 210,380	\$ 91,491
<b>O&amp;M</b>	\$ 210,380	\$ 91,491
Creel Study	\$ 18,000	15039
Fish & Wildlife Contract Services (RTL Consulting)	\$ 10,000	1512
Fish Gate Position Indicators	\$ 32,000	31240
Fishing Pond Sediment Removal	\$ 30,000	0
Habitat & Fish Recovery Services (WDFW)	\$ 10,000	0
Habitat Management: Fertilizer, Spraying, Plants	\$ 9,000	-366
Kid's Trout Derby	\$ 5,400	2880
Mitigation Trout Program	\$ 45,000	0
Noxious Weed Control Contractor	\$ 9,300	0
USGS Gauging Station Fees	\$ 41,600	41091
<b>American Fisheries Society (AFS) Membership</b>	\$ -	105
Wildlife Society Membership	\$ 80	0
<b>OR&amp;R</b>	\$ -	-
<b>Fleet</b>	\$ 37,000	\$ 18,095
<b>OR&amp;R</b>	\$ 37,000	\$ 18,095
Mower	\$ 22,000	18095
Vehicle	\$ 15,000	0
<b>General</b>	\$ 1,004,700	\$ 1,082,745
<b>Special O&amp;M</b>	\$ 1,004,700	\$ 661,985
A&G Exhibit F	\$ 371,600	247736
ASDSO - Government Membership	\$ -	55
Auditing - Accountability	\$ 2,300	0
Auditing - Financial	\$ 19,000	18524
CEATI - MEMBERSHIP	\$ 65,300	0
CEATI - PROJECTS	\$ 30,000	0
Compliance Consultant	\$ 65,000	35557
FERC Annual Fee	\$ 100,000	102192
Fire District Payment	\$ 19,500	0
INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$ 7,200	4018
INSURANCE - EXCESS LIABILITY	\$ 25,000	34064
INSURANCE - LIABILITY	\$ 10,500	0
INSURANCE - PROPERTY	\$ 200,000	198047
LEGAL SERVICES - BIOP & FERC ISSUES	\$ 24,200	5143
LEGAL SERVICES - GENERAL ISSUES	\$ 20,000	13328
Long Range Plan Analysis	\$ 35,000	405
NWHA Membership	\$ 800	0
OFFICE SUPPLIES AND EXPENSES	\$ 9,300	2916
<b>Maintenance</b>	\$ 4,060,220	
<b>O&amp;M</b>	\$ 1,767,950	\$ 392,649
ARC FLASH STUDY	\$ 35,000	0
Automatic Transfer Switch Grouting	\$ 1,000	0
Buffer Zone Management	\$ 3,200	0
CAD Software Licensing	\$ 4,500	1978
Computer Software	\$ 2,000	0
Construction Management Software	\$ 12,000	0
Contract Crane Inspections	\$ 12,600	0
Contract Diesel Generator Maintenance	\$ 10,000	8676



Contract Drafting Services	\$ 50,000	0
Contract Maintenance Elevator	\$ 15,200	14020
Control Room / Office Area Repairs - Construction	\$ 586,030	65282
Control Room / Office Area Repairs - Design	\$ 7,500	0
Control Room Paperless Recorders	\$ 42,000	0
Dam Instrumentation	\$ 2,200	0
Debris Removal - Trash Rake Debris Box	\$ 6,000	1723
Diesel Generator Connection to Spillway Gates 2 & 3	\$ 14,000	0
Diesel Generator Load Bank	\$ 8,500	12077
Diving Services	\$ 16,500	0
Drainage Pump Handrail	\$ 2,500	1627
Drainage System	\$ 3,000	0
Electrical Parts	\$ 5,400	540
Equipment Rental	\$ 17,000	6813
Equipment Watch (Computer Software)		2684
Governor	\$ 4,000	4822
GSU Transformer #1 Metering CT Replacement	\$ 15,000	4963
GSU Transformer Maintenance	\$ 3,240	0
GSU Transformer Oil Processing & Testing	\$ 165,780	0
HVAC	\$ 3,200	0
Instrumentation Parts	\$ 5,400	0
Investigate Draft Tube Liner Issues	\$ 25,000	0
MAINTENANCE - LOG BRONC	\$ 1,000	644
Maintenance Management System	\$ 15,000	0
Maintenance Mobile Crane		398
Maintenance Supplies for Electric Plant	\$ 5,400	3466
Mechanical & Piping	\$ 9,000	5189
Mechanical Parts	\$ 10,600	7769
Metal	\$ 10,000	0
Maintenance Mobile Crane		398
North Rock Wall Scaling	\$ 75,000	82889
Painting & Special Coatings	\$ 3,200	0
Piezometer Pressure Transmitters	\$ 18,000	0
Plant Lighting	\$ 1,000	0
Plant Water Wells & Testing	\$ 1,200	0
Protection and Control Support		5893
Recoat Top Deck Above Control Room	\$ 3,500	0
Repaint Elevator Shaft Exterior	\$ 1,500	0
Repaint Stairwell Interior	\$ 500	0
Rotor Braided Jumpers	\$ 10,000	0
Safety Equipment - Non PPE	\$ 5,000	2422
Sandblast and Coat Draft Tube Platform Brackets	\$ 3,000	0
SCADA Network Support	\$ 10,700	1395
SCADA Support	\$ 120,000	18037
Seismic Study	\$ 150,000	85165
Service Air Compressor	\$ 1,000	0
Service Water System Design	\$ 2,500	0
SMAAG Power Connection & Cable	\$ 4,500	2328
Smoke Detectors & Fire Water Systems	\$ 2,600	310
Spillway Gates	\$ 5,000	0
Tools & Equipment - Operations	\$ 15,000	18768

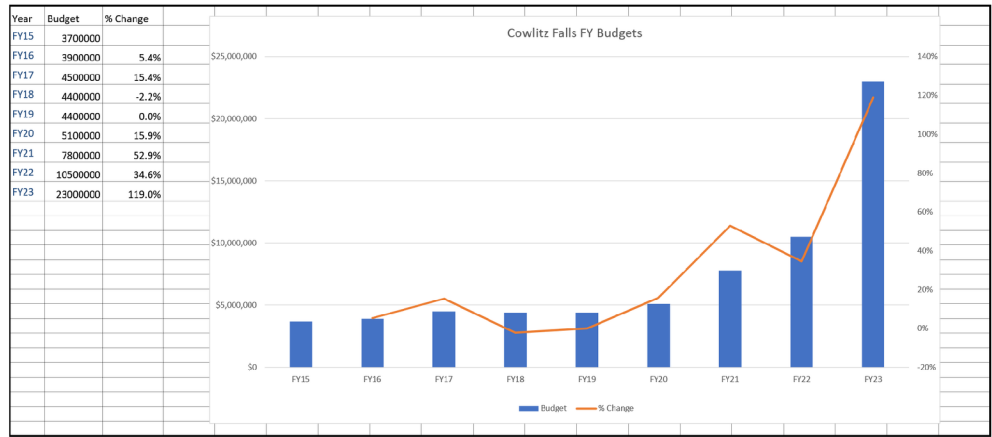
Trunnion Friction Testing	\$ 65,000	5951
Turbidity Sensor Communication	\$ 1,000	0
Turbine Shaft Seals	\$ 30,000	26396
Unit Control Board Meter Replacement	\$ 42,000	0
Unit Turbine Gage Board Inputs into SCADA - Design	\$ 4,000	0
Warehouse Repairs	\$ 64,000	26
<b>OR&amp;R</b>	<b>\$ 2,292,270</b>	<b>\$ 929,480</b>
5-Ton Bridge Crane	\$ 490,000	0
Boat Barrier Replacement - Alternative Analysis	\$ 35,000	35000
Boat Barrier Replacement - Design	\$ 41,375	41375
Debris Barrier Coating & Cathodic Protection - Design	\$ 60,000	58079
Elevator Roof Access - Design	\$ 10,000	0
Exciter Brush Dust Vacuum System	\$ 92,200	0
Generator Hatch Cover Seals & Drains	\$ 25,000	5521
Lathe	\$ 18,000	23171
Mobile Diesel Generator & Log Bronc Cover	\$ 25,000	0
New Facility - Site Preparation	\$ 60,000	36174
Revenue Meters	\$ 24,000	0
Roadway Gates	\$ 12,000	0
Roadway Lighting	\$ 20,000	0
Sluice Gate Replacement - CFD & Physical Model Design	\$ 115,605	122031
Sluice Gate Replacement - Design 1	\$ 372,000	0
Sonar & Turbidity Sensors	\$ 25,000	47897
South Downstream Abutment Wall Handrail	\$ 27,000	0
Spillway 4 Rail Extension - Design	\$ 330,025	219368
Spillway Gate Hoist Covers - Construction	\$ 95,000	0
Spillway Gate Hoist Covers - Design	\$ 25,000	0
Spillway Handrail & Guardrail	\$ 226,585	228856
Trash Rake - Alternative Analysis	\$ 86,850	76500
Trash Removal System - Alternative Analysis	\$ 76,630	35508
<b>Operations</b>	<b>\$ 405,440</b>	
<b>O&amp;M</b>	<b>\$ 291,040</b>	<b>\$ 117,566</b>
1D Sediment Transport Study	\$ 100,000	8454
Advertising		874
CFP Cell Phones	\$ 1,600	6286
CFP Telephones	\$ 7,000	7090
CFP Vehicle Verizon Connect	\$ 540	1510
COMMUNICATIONS - RADIOS, ETC	\$ 7,900	628
Computer and Supplies		12874
Communications Fiber - User Fee	\$ 48,500	13060
Dam Safety Consultant	\$ 62,000	25826
Electric Utilities - Secondary Power Feed	\$ 11,500	3643
Fall Protection Equipment	\$ 6,000	5453
FERC Dam Movement Survey	\$ 8,400	2717
FR Clothing - CFP	\$ 9,500	8126
GARBAGE SERVICE - OPERATIONS	\$ 2,400	1737
Operator Remete SCADA Communications	\$ 8,000	7114
Operator Supplies - Dam		1969
Portable Restrooms - Dam		300
Respirator Fit Testing		1484
Rope Access Gear	\$ 3,000	0

Security/Plant Locks	\$ 300	0
Sedimentation Survey	\$ 5,200	0
Shelving & Furniture	\$ 7,000	7583
Subscriptions, Prints, Copies and Maps	\$ 2,200	838
<b>OR&amp;R</b>	<b>\$ 75,400</b>	<b>\$ 15,899</b>
Major Office & Network Equipment	\$ 25,400	0
Security Improvements	\$ 50,000	15899
<b>Special O&amp;M</b>	<b>\$ 39,000</b>	<b>\$ 30,779</b>
CF Vehicle and Equipment Fuel	\$ 16,000	16035
CF Vehicle Maintenance	\$ 12,000	6712
CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200	100
CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300	955
CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,500	6927
<b>Recreation</b>	<b>\$ 2,011,800</b>	
<b>O&amp;M</b>	<b>\$ 411,800</b>	<b>\$ 127,814</b>
Advertising	\$ 3,000	3489
Boat Launch Sediment Removal	\$ 5,000	0
Building Maintenance	\$ 3,200	992
Campground Fire Pits Graveling	\$ 500	612
Campground Hosts	\$ 120,000	0
Campground Internet	\$ 3,000	669
Campground Reservation Software	\$ 5,000	0
Campground Restroom Improvements	\$ 30,000	91
Campground Telephone	\$ 1,300	1059
Campground Wood Chips	\$ 500	0
Contract Septic and Water Services	\$ 27,000	12706
Contract Services (Dock Installation and Removal)	\$ 2,500	0
D-Loop Electrical Design & Feed Replacements	\$ 30,000	47766
Electric Utilities	\$ 6,400	6736
EQUIPMENT REPAIRS - PARK	\$ 3,200	1514
GARBAGE SERVICE - RECREATION	\$ 6,400	4841
Group B Annual Operating Fee - Falls Road Well		60
MAINTENANCE - GRCOND	\$ 3,200	4947
MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400	12821
Noxious Weed Control	\$ -	
Operation Supplies	\$ 2,200	1073
Port Blakely Road Access Agreement	\$ 30,000	0
Port Blakely Road Maintenance	\$ 13,500	0
Portable Restrooms	\$ 2,300	5005
Potable Water and Septic System Testing	\$ 2,000	1762
Recreation Assessment	\$ 90,000	0
Recreation Tree Removal		10710
Repairs & Supplies	\$ 10,000	8307
Sign Replacements	\$ 2,200	480
Tools & Equipment - Recreation	\$ 3,000	2174
<b>OR&amp;R</b>	<b>\$ 1,600,000</b>	<b>\$ 652,689</b>
Copper Canyon Take Out Site Improvements	\$ 1,600,000	652689
<b>Taxes</b>	<b>\$ 65,100</b>	
<b>O&amp;M</b>	<b>\$ 65,100</b>	<b>\$ 35,316</b>
County Taxes	\$ 700	732
Ecology Water Tax	\$ 7,500	0

Business and Sales Tax		584
Privilege Tax	\$ 56,900	34000
<b>Training &amp; Travel</b>	<b>\$ 215,650</b>	
<b>O&amp;M</b>	<b>\$ 191,850</b>	<b>\$ 75,037</b>
American Fisheries Society Meeting	\$ 1,500	0
American Governor Analog Gov Training	\$ 7,000	3671
ASDSO Conference	\$ 2,500	2084
AVO Electrical Series	\$ 4,350	844
CEATI - ANNUAL MEETING	\$ 3,000	10273
CEATI - DSIG MEETING	\$ 2,200	0
CEATI - HPLIG MEETING	\$ 2,800	0
EPTC Fundamentals of Electricity	\$ 7,200	1430
EPTC Generation Series	\$ 3,600	1800
EPTC System Operations Personal Grounding	\$ 1,260	630
EPTC Transmission Series	\$ 3,600	3600
HSI Online Training	\$ 800	647
HydroVision	\$ 3,000	5569
NW Hydro Forum	\$ 800	2076
NWHA - ANNUAL MEETING	\$ 800	1643
NWHA - WORKSHOP	\$ 500	932
NWPPA - LEADERSHIP TRAINING	\$ 3,400	0
OPERATOR TRAINING DEVELOPMENT 2022	\$ 130,000	28897
TPC - ELECTRICAL WORKSHOP	\$ 4,350	5709
TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,390	3585
TRAINING - PESTICIDE APPLICATION	\$ 1,600	472
TRAINING - WATER & WASTEWATER	\$ 1,200	0
Wildlife Classes	\$ 4,000	1175
<b>Special O&amp;M</b>	<b>\$ 23,800</b>	<b>\$ 190</b>
NWPPA - ADMIN ASST TRAINING	\$ 2,400	0
TRAINING - COMPUTER	\$ 800	190
TRAINING - FALL PROTECTION	\$ 8,000	0
TRAINING - ROPE ACCESS	\$ 8,000	0
WPUDA - ADMIN ROUNDTABLE	\$ 600	0
WPLUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$ 4,000	0
<b>Transmission</b>	<b>\$ 63,000</b>	
<b>O&amp;M</b>	<b>\$ 63,000</b>	<b>\$ 3,610</b>
ROW Maintenance	\$ 60,000	2951
Transmission Line Corridor Planting	\$ 3,000	659
<b>Wages, Benefits and Taxes</b>	<b>\$ 3,226,810</b>	
<b>Grand Total</b>	<b>\$ 11,300,100</b>	

O&M	Budget	Expended	% Spent	Completion Rate	
Fish & Wildlife	\$ 210,380	\$ 91,491	43%	65%	67%
Maintenance	\$ 1,767,950	\$ 392,649	22%	33%	
Operations	\$ 291,040	\$ 117,566	40%	61%	
Recreation	\$ 411,800	\$ 127,814	31%	47%	
Taxes	\$ 65,100	\$ 35,316	54%	81%	
Training & Travel	\$ 191,850	\$ 75,037	39%	59%	
Transmission	\$ 63,000	\$ 3,610	6%	9%	
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,001,120</b>	<b>\$ 843,483</b>	<b>28%</b>	<b>42%</b>	
Special O&M	2022	Expended	% Spent	Completion Rate	
General	\$ 1,004,700	\$ 661,985	66%	99%	
Operations	\$ 39,000	\$ 30,729	79%	118%	
Training & Travel	\$ 23,800	\$ 190	1%	1%	
Wage, Benefits, & Taxes	\$ 3,225,810	\$ 2,100,000	65%	98%	**Estimation due to lack of data
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,294,310</b>	<b>\$ 2,792,904</b>	<b>65%</b>	<b>98%</b>	
OR&R	2022	Expended	% Spent	Completion Rate	
Fish & Wildlife	\$ -	\$ -	0%	100%	
Fleet	\$ 37,000	\$ 18,095	49%	73%	
Maintenance	\$ 2,292,270	\$ 929,480	41%	61%	
Operations	\$ 75,400	\$ 15,899	21%	32%	
Recreation	\$ 1,600,000	\$ 652,689	41%	61%	
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 1,616,163</b>	<b>40%</b>	<b>61%</b>	
<b>Grand Total (All Items)</b>	<b>\$ 11,300,100</b>	<b>\$ 5,252,550</b>	<b>46%</b>	<b>70%</b>	

		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%						



Status	FY23 Budget Items		BPA Question
	<b>Grand Total</b>	\$ 22,731,970	
	<b>O&amp;M</b>	\$ 2,515,110	
	<b>Fish &amp; Wildlife</b>	\$ 238,740	
1	American Fisheries Society (AFS) Membership	\$ 110	
4	CISPUIS 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		
4	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	
	TPL Rearing Facilities Studies		
1	USGS Gauging Station Fees	\$ 42,640	
1	Wildlife Society Membership	\$ 90	
	<b>Maintenance</b>	\$ 1,333,900	
	ARC FLASH STUDY		
	Automatic Transfer Switch Grouting		
	AVR Testing		
4	Bridge Sections Inspection & Analysis	\$ 105,000	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	
2	CAD Software Licensing	\$ 6,000	Are these costs shared with Lewis
2	Computer Software	\$ 2,000	Are these costs shared with Lewis
4	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		
4	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		



Status	FY23 Budget Items		BPA Question
1	Diving Services	\$ 16,500	Do you have annual diving needs or is this a retainer?
	Drainage Pump		
	Drainage Pump Handrail		
4	Drainage Sump Level Indication	\$ 3,500	Is this repair or addition of a new sensor?
4	Drainage Sump Study	\$ 48,000	Why does this need to happen now?
4	Drainage System	\$ 3,000	
4	Electrical Parts	\$ 14,400	Are these spare parts?
4	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?
4	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		
4	Instrumentation Parts	\$ 10,000	Why the increase?
	Investigate Draft Tube Liner Issues		
1	MAINTENANCE - LOG BRONC	\$ 1,000	
4	Maintenance - Unanticipated Dam Repairs	\$ 10,000	Why wasn't this included in '22? Should have?
2	Maintenance Management System	\$ 15,000	Are these costs the support contract for the software? What is difference between construction software?
4	Maintenance Supplies for Electric Plant	\$ 5,400	
4	Mechanical & Piping	\$ 10,000	
4	Mechanical Parts	\$ 14,000	
4	Metal	\$ 13,000	
1	Mobile Crane Maintenance	\$ 1,500	

Status	FY23 Budget Items		BPA Question
4	North Rock Wall Scaling	\$ 150,000	Prior rock scaling was estimated to be good for 6-7 years. Please provide reasoning this costexpenditure is required in FY23
4	Oil Bearing Level Sensors - Unit 1	\$ 24,000	Is this sensor new or replacing a broken one?
	Oil Bearing Level Sensors - Unit 2		
4	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 mre detail as for this line item.
	Protective Relay Testing		
	Recat 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		
1	SCADA Network Support	\$ 10,700	
4	SCADA Support	\$ 200,000	What is the driver fo rthe \$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		
4	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	
4	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 Insection& Cleaning		
	Unit: 1 Turbine Hub & Discharge Ring Recoating		
	Unit: 2 Major Insection & Cleaning		
	Unit: 2 Turbine Hub & Discharge Ring Recoating		
	Unit: Control Board Meter Replacement		

Status	FY23 Budget Items		BPA Question
	Unit: Turbine Gage Board Inputs into SCADA - Design		
2	Upper Guide Bearing Oil Sample Ports	\$ 4,000	
	Warehouse Repairs		
	<b>Operations</b>	<b>\$ 262,600</b>	
	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 Utilites - 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	
1	Rope Access Gear	\$ 4,500	
1	Security/Plant Locks	\$ 300	
4	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	
	<b>Recreation</b>	<b>\$ 306,760</b>	
1	Advertising	\$ 3,600	
1	Boat Launch Sediment Removal	\$ 5,000	
1	Building Maintenance	\$ 3,200	
	Campground Fire Pits Graveling		
4	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	

Status	FY23 Budget Items		BPA Question
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	
	<b>Taxes</b>	<b>\$ 65,100</b>	
1	County Taxes	\$ 700	
1	Ecology Water Tax	\$ 7,500	
1	Privilege Tax	\$ 56,900	
	<b>Training &amp; Travel</b>	<b>\$ 109,110</b>	
2	American Fisheries Society Meeting	\$ 1,500	
2	American Governor Analog 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 Thermography I	\$ 5,000	
	AVO Thermography II		
2	CEATI - ANNUAL MEETING	\$ 10,500	Why has this increased?
2	CEATI - ASSET Management Meeting	\$ 1,800	
2	CEATI - DSI&G 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 WORKSHOP	\$ 6,000	
2	TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,400	
2	TRAINING - CRANE	\$ 4,000	
	TRAINING - MANLIFT/FORKLIFT		
2	TRAINING - PESTICIDE APPLICATION	\$ 1,600	
2	TRAINING - WATER & WASTEWATER	\$ 1,200	
2	Wildlife Classes	\$ 4,000	
	<b>Transmission</b>	<b>\$ 62,000</b>	
1	ROW Maintenance	\$ 60,000	
1	Transmission Line Corridor Planting	\$ 2,000	
	<b>Wage, Benefits, &amp; Taxes</b>	<b>\$ 137,900</b>	
1	OT Taxes	\$ 4,500	
1	Social Security Medicare	\$ 133,400	
1	Social Security Medicare - F&W Tech	\$ -	

Status	FY23 Budget Items	BPA Question
	Special O&M	\$ 5,121,950
	<b>General</b>	<b>\$ 1,117,760</b>
2	A&G Exhibit F	\$ 382,800
2	ASDSO - Government Membership	\$ 60
1	Auditing - Accountability	\$ 2,350
1	Auditing - Financial	\$ 19,450
	Budget Facilitator	
4	CEATI - MEMBERSHIP	\$ 65,300
2	CEATI - PROJECTS	\$ 15,000
1	Compliance Consultant	\$ 65,000
4	Document Management Software	\$ 30,000
2	Document Scanning	\$ 5,000
1	FERC Annual Fee	\$ 103,000
1	Fire District Payment	\$ 20,000
4	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
1	LEGAL SERVICES - BIOP & FERC ISSUES	\$ 25,000
1	LEGAL SERVICES - GENERAL ISSUES	\$ 20,000
2	Long Range Plan Analysis	\$ 35,000
2	NWHA Membership	\$ 1,000
1	OFFICE SUPPLIES AND EXPENSES	\$ 9,300
2	Records Clean Up	\$ 15,000
	<b>Operations</b>	<b>\$ 57,300</b>
1	CF Vehicle and Equipment Fuel	\$ 31,200
1	CF Vehicle Maintenance	\$ 15,000
1	CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200
1	CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300
1	CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,600
	<b>Training and Travel</b>	<b>\$ 26,800</b>
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
	<b>Wage, Benefits, &amp; Taxes</b>	<b>\$ 3,920,100</b>
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

Please provide current LRP for BPA review and justification for necessity of perputary costs.

Why has cost doubled from FY22?

Status	FY23 Budget Items	BPA Question
	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	\$ -
2	Wages	\$ 1,743,700
	Wages - F&W Tech	\$ -
	<b>OR&amp;R</b>	<b>\$ 15,093,900</b>
	<b>Fish &amp; Wildlife</b>	<b>\$ 955,000</b>
	(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	
4	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.
	<b>Fleet</b>	<b>\$ 90,000</b>
	Mower	
2	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	
	<b>Maintenance</b>	<b>\$ 13,723,900</b>
4	5-Ton Bridge Crane	\$ 865,000 Updated JS required. What is the scope.
4	Battery Bank Replacement	\$ 80,000 What is current condition, when was it last replaced?
4	Battery Chargers	\$ 60,000 What is current condition, when was it last replaced?
	Boat Barrier Replacement - Alternative Analysis	

Status	FY23 Budget Items		BPA Question
1	Boat Barrier Replacement - Design	\$ 80,000	
4	Boat Barrier Replacement - Installation	\$ 1,800,000	Updated JS required.
4	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	\$ -	
4	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		
4	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		
	Gartry Crane Controls and Drive Upgrade - Design		
	Gartry Crane Controls and Drive Upgrade - Upgrades		
	Generator Cooling Water Refurbishment		
1	Generator Hatch Cover Seals & Drains	\$ 215,000	
4	Generator Protective Relay Replacement - Design	\$ 100,000	How old is the equipment.
	Generator Protective Relay Replacement - Installation		
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		
2	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		
4	Sluice Gate Replacement - Design 2	\$ 867,700	Updated JS required
	Sonar & Turbidity Sensors		
	South Downstream Abutment Wall Handrail		
	South Well Pumps		
	Spillway 1 Apron Repairs		
	Spillway 1 Apron Repairs - Alternative Analysis		
	Spillway 1 Apron Repairs - Design		
	Spillway 4 Gate UpLift Anchoring		
4	Spillway 4 Rail Extension - Construction	\$ 3,768,300	Is this an addition to capability?
	Spillway 4 Rail Extension - Design		

Status	FY23 Budget Items		BPA Question
4	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		
4	Transmission Line Access - Bridge Replacement	\$ 275,000	Is this expense?
	Trash Rake - Alternative Analysis		
	Trash Rake Construction		
4	Trash Rake Design	\$ 191,000	Does this need to be completed this year?
	Trash Removal System - Alternative Analysis		
	Trash Removal System - Construction		
4	Trash Removal System - Design	\$ 300,000	Is this part of the trash rake design?
4	Unit: Instrumentation - Alternative Analysis	\$ 45,000	The title sounds like a study or expense.
	Unit: Instrumentation - Design		
	Unit: Instrumentation - Installation		
4	Unit: Turbine Gage Board Inputs into SCADA - Installation	\$ 35,000	
	<b>Operations</b>	<b>\$ 105,000</b>	
1	Major Office & Network Equipment	\$ 25,000	
1	Security Improvements	\$ 80,000	
	<b>Recreation</b>	<b>\$ 220,000</b>	
4	Campground & Day Use Park Paving	\$ 150,000	Are these costs based on estimates?
4	Campground A Loop Restroom - Design	\$ 60,000	Has the current restroom failed? How close to failure?
	Campground A Loop Restroom - Installation		
	Campground Electrical Replacement - Design		
	Campground Electrical Replacement - Installation		
	Campground Storage Building - Design		
	Campground Storage Building - Installation		
	Copper Canyon Take Out Site Improvements		
2	Day Use Park Flat Water Kayak Take Out	\$ 10,000	





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 - Not enough information to have certainty of costs and responsibility. Defer until figure out Tacoma's cost share and details figured out. Need to review MOU's and gain understanding of organizational responsibility. 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?</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 to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Dependent on flows/floods, determine if needed during operating year and if there is under-runs to cover. These activities qualify for the \$350k that is set up for contingency events.</p> <p>Mitigation requirement.</p> <p>Mitigation requirement.</p> <p>Important, but not critical.</p> <p>Mitigation requirement.</p> <p>Remove - Per Lewis, they can't find contractor, will train staff to perform duties.</p> <p>Dam safety and operationally important</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 - Does not seem critical, need more specific information on scope and sections that "need" inspect on along with updated costs. Information provided to date does not demonstrate critical need to be included in FY23 budget. Can place on defer list and execute during the OY if funds are available in under-runs. Was an analysis completed for the section of dam regarding the Spillway 4 Crane Rail Extension? If so, is that analysis included in this analysis?</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>Move to Exhibit ?</p>
<p>These cost are based on Cowlitz Falls usage</p>	<p>Move to Exhibit ?</p>
<p>These cost are based on Cowlitz Falls usage</p>	<p>Defer - Not certain of the need and benefit. No large construction program at the relatively small project and doesn't appear to be complex enough to warrant construction management software. And, assume that contractors would be managing their work with their own software.</p>
<p>Yes, these are required annual inspections</p>	<p>Annual requirement.</p>
	<p>Critical to operations</p>
	<p>Important, but not critical.</p>
	<p>Critical to operations</p>
	<p>Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs. \$350k fund can cover.</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>Ok - routine work.</p>

Lewis Response	BPA Narrative
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. WE occasionally, need divers for inspecting the unit trash racks during periods of debris build up.	OK - recurring need to support maintenance.
This is for a new sensor. We currently do not have level indication in our drainage sump. We do have high level alarms.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue or relatively high risk.
This is to get ahead of oil containment/skimming/processing issues.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is a general maintenance item for annual repairs and parts.	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is generally for replacement parts, some small construction projects, and some spare parts	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is an annual fee for access to pricing for rental and contractual fee. This is used in writing and enforcing contracts.	OK - software, should be rolled up into Exh F&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.	Important as it is additional safety but not critical.
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.
	Critical, reliability of generating equipment - Annual parts, do one per year. Based on condition. Materials.
This is annual maintenance costs for parts and material.	Critical, reliability - critical spare part.
This is for a spare jockey pump for the governor system.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
This is to add level indication for the governor oil sump.	
This is for maintenance parts and some contractual services.	Important for climate control - materials and contractual services when needed
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
This is mostly for replacement of various instrumentation in the plant. There is some new instrumentation in the plant.	Critical for debris removal.
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
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.	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
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.	Important but not critical. Could help with efficiency of conducting maintenance and condition assessment and equipment history.
	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
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	Defer - too many variables and speculative to be budgeted for at this point. Need several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.
The maintenance is performed by Cowlitz Falls crews. This is for parts and material.	Critical for reliability.

Lewis Response	BPA Narrative
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. Would like to review the justification of continuation of North Rock Wall Scaling work (study, proposal etc.)? What has changed since original discussion of work, why did costs increase? Will now need a justification sheet.
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 - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
We do not have oil tank level sensors. This is a new sensor.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue. Critical - asset preservation.
This is to install piezometers with digital outputs into our SCADA system. This will give us more accurate and consistent piezometer readings.	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
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 through tracking expenses.
	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.	Critical due to equipment condition and lack of functionality. 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 are 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. Critical for transformer maintenance and generation reliability.
This is for Verizon service to provide communication to our turbidity sensors.	
We do not have turbine oil level indication. This will assist us in determine if we have any oil leakage.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
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.

Lewis Response	BPA Narrative
	Important - allows monitoring of oil for equipment condition monitoring.
	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
	Critical for operation of facility
We have new employees that need to get outfitted.	Critical for safety
Yes, this is contracted.	Requirement of FERC License
This is purchased through a selected vendor.	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
This is to cover the equipment that we use 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 management plan for Cowit Falls. This will also satisfy a FERC requirement for a sediment management plan. WA DEQ requires a plan '27 requirement.	Defer - can defer until '24 to '26 in light of high budget amount and demonstrated needs in other areas.
	Operational requirement
	Important for operational support
	Critical for operations
Yes, this is contracted. This clears out the boat 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
	Defer - 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 \$6,736, and the monthly cost is \$963.	Critical - based on actuals, important for campground operations
	Critical - support of parks
	Critical - safety of visitors and 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 currently looking for other options.	Remove - this will be performed by current personnel.
	Critical - operations

Lewis Response	BPA Narrative
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 line item is to pump out our septic system tanks and vaults. Line item 304 is for contractual services 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
	Important - not critical
	Important - not critical
	Important - not critical
	Important - not critical
	Important - not critical
	Important - not critical
	Important - not critical
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
	Important - not critical
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	Important - not critical
	Important - not critical
	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
	Important - not critical
	Important - not critical
	Important - not critical

Lewis Response	BPA Narrative
	Joint Lewis County PUD partial support of Cowlitz Falls Project. This needs updating to integrate other line items for software.
	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.	Need to review actual costs of membership per year. As previous years may have been increased to accommodate 15 month fiscal year.
	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 reoccurring cost.	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. Do they have a process of scanning documents with current staff? What is the plan for the long term?
	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 -- Costs are uncertain, Not sure BPA endorses grant work.
	Critical - business requirement
	Critical - business requirement
	Critical - business requirement
	Critical - business requirement
	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.	Important work for long range planning.
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 Cowlitz Falls documents.	Important - close to completion. Needs to be completed before document retention work. Do they have a process of record retention? What is the plan for the long term?
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
	Important - not critical
This training will take several years to complete.	Important - not critical

Lewis Response	BPA Narrative
	Need to discuss additional labor added to Cowlitz Falls. Looking for reasonable workload increase and expected FTE allocation as appropriate. Compare previous years and staffing to any new requirements.
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 Sha-eflie folder.	Defer - Need Actual Costs before agreement - too many unknowns concerning costs.
	Defer - not critical
	Defer - legal
This could be deferred 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. However, cost estimate seems high.
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 deleted from the 2023 budget.	Remove - purchasing in '22
	Important - supports other work and already design complete.
	Defer - design is not complete, size seems still under consideration therefore costs could be different. Would recommend a design and sizing be done before requesting funds.
	Defer - not imminent failure
	Defer - not imminent failure



Lewis Response	BPA Narrative
	Critical for safety of public
	Defer until permit is received, alternatives discussed, security benefit described and design complete for more accurate estimate of construction. Construction work window is Nov - Feb so expenditures should be separated and staged, design, procurement and then install.
	Defer until USACE permit received, could be several years.
	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. Not required until '25 to satisfy WECC/NERC.
	Critical - office safety
	Important - work already in flight.
	Critical - security of facility
	Important - VFD's no longer supported.
	Defer - Need more discussion, can defer as it is not urgent
	Project already in flight, costs may change when bids are received. Need more conversation and analysis and justification.



























Subsect	2023	Status	Subtotal	%
O&M	\$ 2,516,110	Accepted	\$ 1,465,910	58%
		Additional Info Needed	\$ -	0%
		Remove	\$ 1,050,200	42%
Special O&M	\$ 5,121,960	Accepted	\$ 4,976,560	97%
		Additional Info Needed	\$ -	0%
		Remove	\$ 145,300	3%
OR&R	\$ 15,093,900	Accepted	\$ 1,686,100	11%
		Additional Info Needed	\$ 120,000	1%
		Remove	\$ 13,287,800	88%
Grand Total	\$ 22,731,970	Accepted	\$ 8,128,570	36%
		Additional Info Needed	\$ 120,000	1%
		Remove	\$ 14,483,300	64%
		Remaining	\$ -	

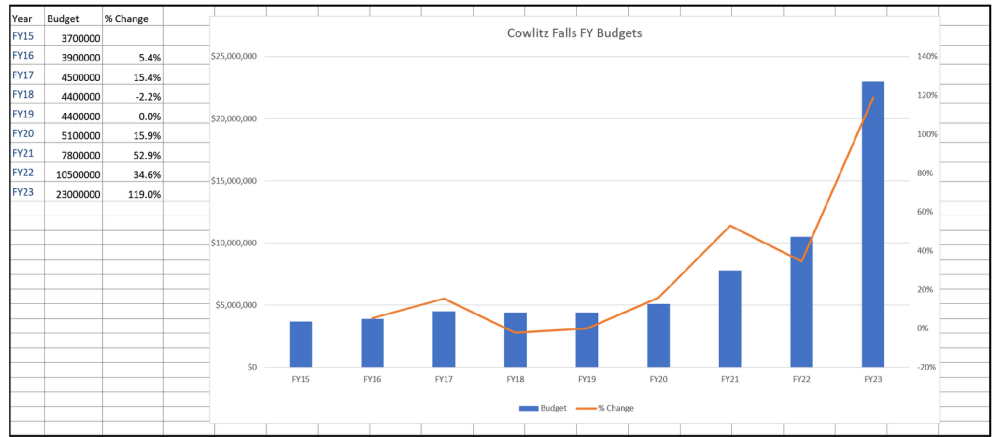
	Budget Year		2023 (Supported)	% Change from '23 Request				FY22
	2022	2023 (Requested)			Difference			
<b>2023 - 2029 O&amp;M</b>								\$ 3,119,480.00
Fish & Wildlife	\$ 210,380	\$ 238,740	\$ 124,440	48%	\$ 114,300		O&M	\$ 4,180,550.00
Maintenance	\$ 1,767,950	\$ 1,333,900	\$ 579,000	-57%	\$ 754,900		Special O&M	\$ 4,004,670.00
Operations	\$ 330,040	\$ 262,600	\$ 212,600	-19%	\$ 50,000		OR&R	
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	\$ 109,110	0%	\$ -			
Transmission	\$ 63,000	\$ 62,000	\$ 62,000	0%	\$ -			
Wage, Benefits, & Taxes	\$ 113,360	\$ 137,900	\$ 137,900	0%	\$ -			
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,158,480</b>	<b>\$ 2,516,110</b>	<b>\$ 1,465,910</b>	<b>-42%</b>	<b>\$ 1,050,200</b>	<b>\$ 1,050,200</b>		
	Budget Year		2023 (Supported)	% Change from '23 Request				
	2022	2023 (Requested)						
<b>2022 - 2023 Special O&amp;M</b>								
General	\$ 1,004,700	\$ 1,117,760	\$ 972,460	-13%				
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%				
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,180,950</b>	<b>\$ 5,121,960</b>	<b>\$ 4,976,660</b>	<b>-3%</b>				
	Budget Year		2023 (Supported)	% Change from '23 Request				
	2022	2023 (Requested)						
<b>2022 - 2023 OR&amp;R</b>								
Fish & Wildlife		\$ 955,000	\$ -	-100%				
Fleet	\$ 37,000	\$ 90,000	\$ 85,000	-6%				
Maintenance	\$ 2,292,270	\$ 13,723,900	\$ 1,486,100	-89%				
Operations	\$ 75,400	\$ 105,000	\$ 105,000	0%				
Recreation	\$ 1,600,000	\$ 220,000	\$ 10,000	-95%				
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 15,093,900</b>	<b>\$ 1,686,100</b>	<b>-89%</b>				
<b>Grand Total (All Items)</b>	<b>\$ 11,344,100</b>	<b>\$ 22,731,970</b>	<b>\$ 8,128,670</b>	<b>-61%</b>				

<b>FY23 Target</b>	<b>FY23 Proposed</b>	<b>Difference</b>
\$ 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)



O&M	Budget	Expended	% Spent	Completion Rate	
Fish & Wildlife	\$ 210,380	\$ 91,491	43%	75%	58%
Maintenance	\$ 1,767,950	\$ 265,483	15%	26%	
Operations	\$ 330,040	\$ 81,268	25%	42%	
Recreation	\$ 415,800	\$ 108,054	26%	44%	
Taxes	\$ 65,100	\$ 51,979	80%	137%	
Training & Travel	\$ 191,850	\$ 72,275	38%	65%	
Transmission	\$ 63,000	\$ 3,610	6%	10%	
Wage, Benefits, & Taxes	\$ 113,360	\$ -	0%	0%	
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,158,480</b>	<b>\$ 674,160</b>	<b>21%</b>	<b>37%</b>	
<b>Special O&amp;M</b>	<b>2022</b>	<b>Expended</b>	<b>% Spent</b>	<b>Completion Rate</b>	
General	\$ 1,004,700	\$ 624,511	62%	107%	
Operations	\$ 39,000	\$ 26,194	67%	115%	
Training & Travel	\$ 23,800	\$ 190	1%	1%	
Wage, Benefits, & Taxes	\$ 3,113,450	\$ -	0%	0%	
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,180,950</b>	<b>\$ 650,895</b>	<b>16%</b>	<b>27%</b>	
<b>OR&amp;R</b>	<b>2022</b>	<b>Expended</b>	<b>% Spent</b>	<b>Completion Rate</b>	
Fish & Wildlife	\$ -	\$ -	#DIV/0!	#DIV/0!	
Fleet	\$ 37,000	\$ 18,095	49%	84%	* lethe purchase in O&M section of budget
Maintenance	\$ 2,292,270	\$ 707,897	31%	53%	
Operations	\$ 75,400	\$ -	0%	0%	* not included in latest report.
Recreation	\$ 1,600,000	\$ 73,389	5%	8%	* moving work to '23
<b>Grand Total (OR&amp;R)</b>	<b>\$ 4,004,670</b>	<b>\$ 820,954</b>	<b>20%</b>	<b>35%</b>	
<b>Grand Total (All Items)</b>	<b>\$ 11,344,100</b>	<b>\$ 2,146,009</b>	<b>19%</b>	<b>32%</b>	

		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)			FY22	FY23 Target	FY23 Proposed	Difference
	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%						



**From:** Leady Jr, William J (BPA) - PG-5  
**Sent:** Fri Aug 12 11:45:02 2022  
**To:** Smith, Glen A (BPA) - PG-5  
**Subject:** Cowlitz  
**Importance:** Normal

If we don't have one I think we should consider (not make) some sort of Approval process for capital (OR&R – not sure what that stands for but it looks like capital). Something on the model of the DSD or business case, but scaled down. Not for FY 23 but maybe FY 24

**Bill Leady P.E.**

(acting) Vice President, Generation Asset Management | PG

[Bonneville Power Administration](#)

[bpa.gov](#) | Office 503-230-4270 | Cell (b)(6)

**“ we can simply state that we have a significantly different view of the matters at hand”**

- It would be great to understand more specifics on our different viewpoints. From our perspective, we have yet to have a fully developed and supported budget 'to review in efforts to come to a mutual agreement. The PUD did not come to the August budget meetings “ready” with a solid budget justification and request.

**Bonneville formally defer the role of hiring a 3rd party facilitator to the PUD. The PUD will expedite the contracting process.**

- Can do this, but, we are very close to awarding a contract. We need a decision soon so that we can stop our action within Bonneville if needed. We would like to be involved as the previous facilitator did not meet our expectations.

**An executive sponsor from Bonneville and the PUD be identified to meet for no less than 30 minutes each week to monitor budget progress and provide direction to the budget team until a fully agreed upon budget has been reached.**

- No problems on my end. I have a log and supporting documentation of the numerous requests for information from the PUD to understand what they are asking for and how it is important to execute. There are a number of cases where Bonneville had to correct submitted information according to common accounting practices, legal issues, lacking information etc.

**By close of business on October 7, 2022, PUD staff will provide to BPA an updated budget reflecting previous staff discussion. PUD staff will identify large items needing further implementation and financing discussions. Within the submittal PUD staff will include supplemental information regarding the three additional positions.**

- This is not clear of what they are asking for as we originally agreed to work with the facilitator to determine how to justify the additional positions. When we received the labor budget, these positions were embedded and spread amongst other positions. I don't know what they are asking for or how they will justify the request. We have yet to have any response, despite several requests by Bonneville, on the justification for the additional labor amounts.

**By October 28, 2022, the parties reach consensus on the O&M and Special O&M portions of the budget.**

- Not sure how to do this as it is unclear how BPA is to determine what is a critical need versus nice to have needs. There are a number of cases where the PUD staff have been unclear of the criticality of the request. BPA can use our experience with other hydropower projects to determine the criticality of the requests if necessary and can provide a response at some point. This method lacks flexibility on both parties where an

agreed budget amount versus line items provides flexibility typically seen in other budgetary processes. In review of the OY22 execution, there are a number of new items expensed that were not budgeted for. Bonneville is compelled to request justification of these expenses as we have developed a line by line budget. Within the line by line budget concept, Bonneville would have expected the PUD to request a line addition before executing the line item. The amount of effort and scrutiny needed for this method of budget development and execution for regular and recurring work that is typical of O&M is excessively burdening.

**From:** Smith, Glen A (BPA) - PG-5  
**Sent:** Mon Aug 15 08:55:45 2022  
**To:** Brad Ford; Joe First; Nichole Lantau; Michelle Holmes  
**Cc:** Sonoda, Cherie D (BPA) - PGAC-RICHLAND  
**Subject:** Cowlitz Falls FY23 Draft Budget - BPA O&M Item Inquiry  
**Importance:** Normal  
**Attachments:** image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg;  
DRAFT 2023 - 2029 Budget.xlsx

Brad, Joe, Nichole, and Michelle,

Cherie and I started color coding the O&M line items and we setup columns for our questions and your all's response.

It would be helpful for me if we knew whether the line item was for material, contract, or labor.

Looking forward to our next meeting this Friday,

Glen

**Glen A. Smith**

Senior Policy Advisor | PG-5

[Bonneville Power Administration](#)

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



**From:** Sonoda,Cherie D (BPA) - PGAC-RICHLAND  
**Sent:** Fri Aug 12 15:19:01 2022  
**To:** Smith,Glen A (BPA) - PG-5  
**Subject:** DRAFT 2023 - 2029 Budget CS.xlsx  
**Importance:** Normal  
**Attachments:** DRAFT 2023 - 2029 Budget CS.xlsx

Hi Glen,

I added a few comments. I thought turning items without questions green would be fine, but do wonder about a few green line items that we may have questions in the future. There is a lot of padding in items like electrical parts, metal, etc. They use these as contingency in case they needs parts. We settled on those last year. I would like to see the prior year actuals. I am fine putting them green now, but would like to remind CFP that we would like prior year actuals and that may spur additional questions in the future.

Best,  
Cherie



# DRAFT

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2) Bonneville recognizes that there are many disagreements and issues that need to be resolved and that many of those issues will not be solved in time to complete the FY23 budget approval process. Bonneville is hopeful that these agreements and changes can be in place for the FY24 budget process and that both parties will see a marked improvement in the process.

a) A facilitator is on board and will be working with both parties to identify and resolve issues in order to help both parties improve the budget submission, review and approval process.

3) For FY23, Bonneville is looking for a reasonable approach to the budget development and approval process and has offered a methodology that appropriately places Lewis staff in the position of prioritizing work. Currently Lewis has proposed an “unconstrained” budget of which it is, upon review, not defensible in its current state.

a) Bonneville has stated what evaluation criteria it uses to agree to items in the budget such as ability to execute the line item, necessity to execute line item in the operating year, importance of the line item in respect to life safety, environmental compliance, operational efficiency etc.

b) Bonneville is looking for a proposal from Lewis on how to move forward on the FY23 budget approval process in order to complete this process in a timely manner.

4) Bonneville would like to restate that any items that are in support of FERC relicensing will not be supported. We have been pretty clear in the past that we will not fund FERC relicensing activities or staff to support such activities.

## Internal

1) Any discussion of the PPA or interpretation of the PPA is a matter of law and needs to be deferred to our attorneys.

2) Current budget agreement estimates are \$10.6M – \$18.9M with the higher estimate including OR&R items that may have weak justification for deferral due to prior BPA support of project phases in order to settle FY21 and FY22 budget disputes. OR&R line items that have weak justification for deferral are the \*Boat Barrier Installation (\$2M);

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

Sluice Gate Design 2 (\$900K); \*Crane Rail Extension Spillbay 4 (\$4M); Trash Rake and Removal Designs (\$400K). The asterisked items are ones that are near ready for awarding a supply or construction contract.

3) Delaying some OR&R pushes the budget wave out and causes excessively high budgets later without ability for BPA to defer.

4) Budget request includes new positions (\$800K). We don't have the information for reviewing the new positions as they have not provided the information that was agreed to in the Phase I settlement for FY21. CFP was supposed to track employee time so that we have a basis for shared employee allocations as well as a better understanding of what areas additional support is needed with CFP staff. BPA agreed that we wouldn't address the new positions when we kicked off the budget meetings, yet, they included them when they finally submitted their labor portion of the budget.

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7) LCPUD and CFP staff have made no indication of prioritization of work within this budget.

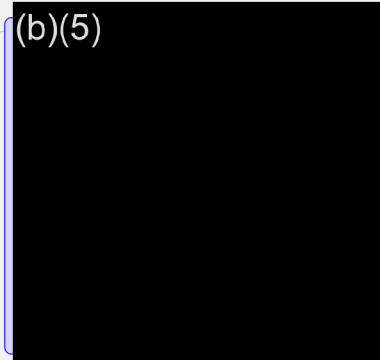
**Comment [SD(-P1):** CFP was suppose to comeback to us with all of the revised information prior to getting approval to start construction. I realize we maybe "kicking the can down the road" on some of these, but we may find that after study and design the project is just not viable due to increased costs and we no longer support funding based on that. I feel identifying this to Bill would be good.

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O&M	Budget	Expended	% Spent	Completion Rate
Fish & Wildlife	\$ 210,380	\$ 91,491	43%	65%
Maintenance	\$ 1,767,950	\$ 392,649	22%	33%
Operations	\$ 291,040	\$ 117,566	40%	61%
Recreation	\$ 411,800	\$ 127,814	31%	47%
Taxes	\$ 65,100	\$ 35,316	54%	81%
Training & Travel	\$ 191,850	\$ 75,037	39%	59%
Transmission	\$ 63,000	\$ 3,610	6%	9%
<b>Grand Total (O&amp;M)</b>	<b>\$ 3,001,120</b>	<b>\$ 843,483</b>	<b>28%</b>	<b>42%</b>
Special O&M	2022	Expended	% Spent	Completion Rate
General	\$ 1,004,700	\$ 661,985	66%	99%
Operations	\$ 39,000	\$ 30,729	79%	118%
Training & Travel	\$ 23,800	\$ 190	1%	1%
Wage, Benefits, & Taxes	\$ 3,226,810	\$ 2,100,000	65%	98%
<b>Grand Total (Special O&amp;M)</b>	<b>\$ 4,294,310</b>	<b>\$ 2,792,904</b>	<b>65%</b>	<b>98%</b>
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Fish & Wildlife	\$ -	\$ -	0%	100%
Fleet	\$ 37,000	\$ 18,095	49%	73%
Maintenance	\$ 2,292,270	\$ 929,480	41%	61%
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(b)(5)



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**From:** Sonoda,Cherie D (BPA) - PGAC-RICHLAND  
**Sent:** Thu Aug 11 12:26:37 2022  
**To:** Smith,Glen A (BPA) - PG-5  
**Subject:** FW: Rockwall cost - through Phase 2  
**Importance:** Normal  
**Attachments:** image001.png

[Picture below of the rock wall.](#)

**From:** Carlson,Debbie (BPA) - PGAC-RICHLAND  
**Sent:** Monday, December 16, 2019 1:07 PM  
**To:** Todd,Wayne A (BPA) - PGA-6 <watodd@bpa.gov>; Manary,David (BPA) - LG-7 <dbmanary@bpa.gov>; Blecker,Stephanie F (BPA) - LG-7 <sfblecker@bpa.gov>; Sonoda,Cherie D (BPA) - PGAC-RICHLAND <csonoda@bpa.gov>  
**Subject:** Rockwall cost - through Phase 2

Here is some information for the rock wall costs –

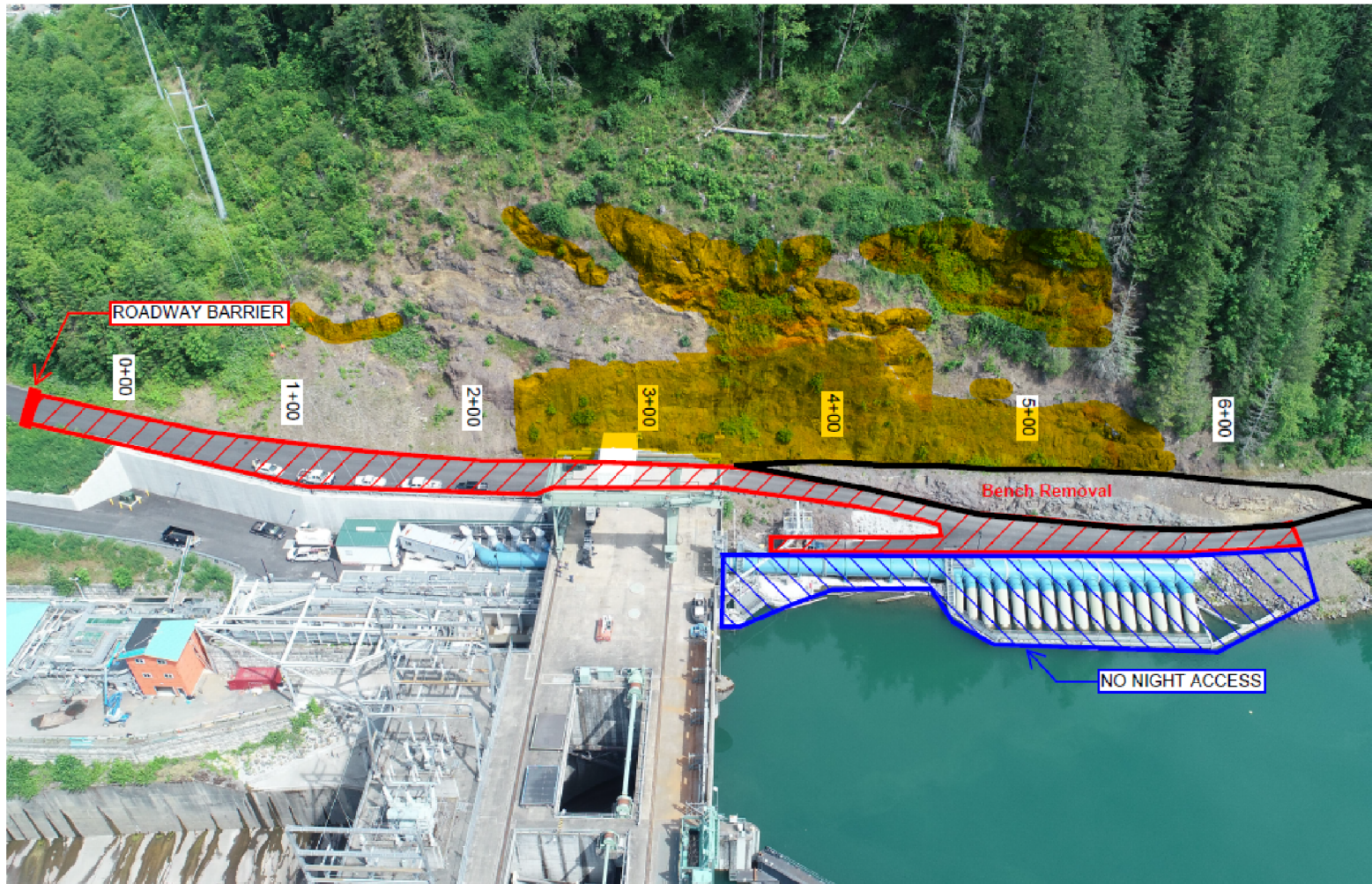
Summary of Cost Suggestion:

- ✓ Phase 1&2: Total cost (\$710,898.70); – Cornforth (\$79,169) = \$631,730
  - TPU pays 80% = \$505,384
  - BPA pays 20% = \$126,346
  
- ✓ Phase 3: total estimated cost is expected to be \$468,000
  - TPU pays 80% = \$374,400
  - BPA pay 20% = \$93,600

- BPA understood the need to protect workers at/near the rock wall
  - once we found out there was an issue
- Cornforth report (\$79,169.21); Phase 0 – BPA has previously indicated this cost is all on TPU
  - Phase 1 – safety efforts
  - Phase 2 – engineering consultants, actual work on the rock wall
- LCPUD had ample opportunity to provide related cost to the rock wall repair to BPA and elected not to do so

- LCPUD is proposing a 50/50 split between BPA and TPU
- two documents cover the CFP – the PPA and the Northshore Agreement
  - in the PPA BPA covers all costs associated with the CFP
  - CFP (LCPUD) cannot enter into any agreement on behalf of the CFP without first consulting BPA
  - Northshore Agreement
    - Section(5)(b)(iii) – “Except for damage caused by Lewis’ or Lewis Related Parties’ negligence, Tacoma shall reimburse Lewis for the reasonable costs of any needed repairs to the Cowlitz Falls Project caused by the installation, operation and maintenance and removal of the Northshore Project.”
    - Section(5)(b)(iv) – “The Parties acknowledge that certain activities on the CFP Property may have mutual benefits for Tacoma and Lewis. In those cases, Lewis and Tacoma shall negotiate in good faith a fair and equitable split of the costs to design, permit, construct, operate and maintain that activity; provided, however that nothing in this section shall obligate either party to agree to such activity or cost-sharing arrangement. Either Tacoma or Lewis may propose a cost-sharing arrangement or activity. Any cost-sharing agreement must be in writing and signed by both Lewis and Tacoma.”
- BPA believes had not the Northshore Collector been in place continued “routine” maintenance on the rock wall near/at the Dam’s entrance would have prevailed
  - Most of the physical work on rock wall was upstream of the Dam – in an area above the Collector (some work downstream of the Dam above the Fish Facility)
- Phase 3 will likely start in FY 2021
  - A plan of action has been approved
  - Installation of Tecco mesh at selected locations with bench removal (~\$468,000)
  - Again 80–85% of this effort is upstream of the Dam

*Please note: this map is before vegetation was remove, before rock scaling had been completed and before placement of some mesh  
You’ll note where the bench is location – Phase 3 has this being removed*





Tentative Approval	2023 - 2029 CFP Budget Estimates (2023 for reference)										BPA Question
	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		Is this Tacoma's responsibility?	
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	\$ 18,000			\$ 50,000	\$ 20,000						
ESA BiOp Studies					\$ 748,000	\$ 758,000	\$ 580,200	\$ 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								Expenditures would be helpful to answer this question. How much was done last year and what is remaining to be completed in FY23?	
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			
IPU 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							
Kona Creek Enhancement		\$ 120,000	\$ 120,000	\$ 750,000						Need additional information for this project and associated costs and justification in a justification sheet.	
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								Under legal review. BPA cannot support finding at this time.	
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								Why does this need to be purchased now?	
Side By Side			\$ 30,000	\$ 30,000							
Truck Box Crane		\$ 5,000								Why does this need to be purchased now?	
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	\$ 444,200	\$ 457,200			
ASDSO - 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	\$ -										
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			

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	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	Please provide current LRP for BPA review and justification for necessity of peripulatory 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	\$ 9,500	\$ 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	\$ 3,829,300	\$ 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 reasoning for the bridge inspection for FY23. Is it on a cyclic schedule that is best engineering practice or requirement?	
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	Are these costs shared with Lewis	
Computer Software		\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	Are these costs shared with Lewis	
Construction Management Software		\$ 12,000	\$ 7,600	\$ 7,600	\$ 7,800	\$ 7,800	\$ 8,000	\$ 8,000	\$ 8,200	Are these costs shared with Lewis	
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	\$ 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		\$ 586,030									
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	Is this repair of instrumentation?	
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	Is this repair of the debris box?	
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	Do you have annual diving needs or is this a retainer?	
Drainage Pump					\$ 20,000						
Drainage Pump Handrail		\$ 2,500									
Drainage Sump Level Indication			\$ 3,500							Is this repair or addition of a new sensor?	
Drainage Sump Study			\$ 48,000							Why does this need to happen now?	
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	Are these spare parts?	
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	\$ 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	What is this for?	
Governor and Turbine Oil Replacement			\$ 225,000								
Governor Jockey Pump			\$ 4,000							Is this a replacement?	
Governor Oil Sump Level Indication			\$ 5,000							Is this a replacement?	
GSU Transformer #1 Metering CT Replacement		\$ 15,000									
GSU Transformer Maintenance		\$ 3,240			\$ 45,000						

Tentative Approval	2023 - 2029 CFP Budget Estimates (2023 for reference)										BPA Question
	Budget Year										
	(Excludes Wages & Benefits)	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		Why the increase?
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		Why wasn't this included in '22? Should have?
Maintenance Management System		\$ 15,000	\$ 15,000	\$ 17,000	\$ 17,000	\$ 18,000	\$ 18,000	\$ 20,000	\$ 20,000		Are these costs the support contract for the software? What is difference between construction software?
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 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								Is this sensor new or replacing a broken one?
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		Need more detail as for this line item.
Protective Relay Testing				\$ 55,000							
Racoon 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								Why? Are there tests showing an emergent need?
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								Why this year?
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					What are these offices for? Why the large charge in FY23 and assuming that they will be leased?
Tools & Equipment - Operations		\$ 15,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000		Why the large increase?
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								Why the need now?
Turbine Shaft Seals		\$ 30,000	\$ 30,000								Are these leaking and is one year unit 1 and this year unit 2?

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	Budget Year										
(Excludes Wages & Benefits)	2022	2023	2024	2025	2026	2027	2028	2029			
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			
5-Ton Bridge Crane	\$ 490,000	\$ 865,000								Updated IS 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 IS 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									
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 IS required	
Generator Protective Relay Replacement - Design		\$ 100,000								Updated IS 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 IS required	
Pant Auxiliary Equipment inputs into SCADA - Design			\$ 8,000								
Pant 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							



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	Budget Year										
	2022	2023	2024	2025	2026	2027	2028	2029			
Sluice Gate Replacement - Construction 3					\$ 5,536,000						
Sluice Gate Replacement - Design 1	\$ 372,000										
<b>Sluice Gate Replacement - Design 2</b>		\$ 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						
Spillway 4 Gate Uplift Anchoring				\$ 250,000							
<b>Spillway 4 Rail Extension - Construction</b>		\$ 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 Host Covers - Construction	\$ 95,000										
Spillway Gate Host Covers - Design	\$ 25,000										
Spillway Gate Structural Reinforcement				\$ 300,000							
Spillway Handrail & Guardrail	\$ 126,585										
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						\$ 60,200					
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					
<b>Transmission Line Access - Bridge Replacement</b>		\$ 275,000	\$ -	\$ -	\$ -						JS required
Trash Rake - Alternative Analysis	\$ 86,850										
Trash Rake Construction			\$ 700,000	\$ 1,070,000							
<b>Trash Rake Design</b>		\$ 151,000									JS required
Trash Removal System - Alternative Analysis	\$ 76,630										
Trash Removal System - Construction			\$ -	\$ 1,700,000							
<b>Trash Removal System - Design</b>		\$ 300,000	\$ 50,000								JS required
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									
<b>Operations</b>	\$ 405,440	\$ 424,900	\$ 373,040	\$ 375,940	\$ 380,880	\$ 381,580	\$ 396,020	\$ 401,620			
<b>O&amp;M</b>	\$ 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		Why the increase?
CFP Telephones	\$ 7,000	\$ 10,800	\$ 10,800	\$ 10,800	\$ 10,800	\$ 10,800	\$ 10,800	\$ 10,800	\$ 10,800		Why the increase?
CFP Vehicle Verizon Connect	\$ 540	\$ 2,300	\$ 2,400	\$ 2,500	\$ 2,600	\$ 2,700	\$ 2,800	\$ 2,900			Why the increase?
COMMUNICATIONS - RADIOS, ETC	\$ 7,900	\$ 8,100	\$ 8,100	\$ 8,100	\$ 8,300	\$ 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			Why the increase?
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	\$ 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			
GARRAGE SERVICE - OPERATIONS	\$ 2,400	\$ 2,400	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,700	\$ 2,700			

Tentative Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)									BPA Question
	Budget Year									
	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							What is this for?	
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		
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		
<b>OR&amp;R</b>	<b>\$ 75,400</b>	<b>\$ 105,000</b>	<b>\$ 85,000</b>	<b>\$ 85,000</b>	<b>\$ 85,000</b>	<b>\$ 85,000</b>	<b>\$ 95,000</b>	<b>\$ 95,000</b>		
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		
<b>Special O&amp;M</b>	<b>\$ 39,000</b>	<b>\$ 57,300</b>	<b>\$ 57,400</b>	<b>\$ 57,500</b>	<b>\$ 57,600</b>	<b>\$ 57,700</b>	<b>\$ 58,200</b>	<b>\$ 58,300</b>		
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	\$ 17,000	\$ 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		
<b>Recreation</b>	<b>\$ 2,016,800</b>	<b>\$ 526,760</b>	<b>\$ 567,660</b>	<b>\$ 319,760</b>	<b>\$ 593,460</b>	<b>\$ 833,280</b>	<b>\$ 334,780</b>	<b>\$ 346,260</b>		
<b>O&amp;M</b>	<b>\$ 416,800</b>	<b>\$ 306,760</b>	<b>\$ 307,660</b>	<b>\$ 319,760</b>	<b>\$ 320,460</b>	<b>\$ 332,280</b>	<b>\$ 334,780</b>	<b>\$ 346,260</b>		
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								Was this work completed in '22?	
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								Was this work completed in '22?	
Electric Utilities	\$ 6,400	\$ 11,500	\$ 11,700	\$ 11,900	\$ 12,100	\$ 12,300	\$ 12,500	\$ 12,700	Why the increase?	
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		
<b>OR&amp;R</b>	<b>\$ 1,600,000</b>	<b>\$ 220,000</b>	<b>\$ 260,000</b>		<b>\$ 273,000</b>	<b>\$ 501,000</b>				
Campground & Day Use Park Paving		\$ 150,000			\$ 164,000				Are these costs based on estimates?	

Tentative Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)									BPA Question
	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						\$ 372,000				
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	
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		
O&M	\$ 191,850	\$ 109,110	\$ 112,760	\$ 67,100	\$ 63,500	\$ 64,500	\$ 50,000	\$ 50,000		Went from \$60k to \$135K - need to reduce and spread out
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				
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										
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	Why has this increased?
CEATI - ASSET Management Meeting		\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	
CEATI - DSIG MEETING	\$ 2,200	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	
CEATI - HPIG MEETING	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	
CEATI - 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	
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						
HSI 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		
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			

Tentative Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)										BPA Question
	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			
WPLUDA - ADMIN ROUNDTABLE	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 800	\$ 800			
WPLUDA/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						
Wages, Benefits and Taxes	\$ 3,226,810	\$ 4,000,000									
Grand Total	\$ 11,305,100	\$ 22,585,570	\$ 6,851,520	\$ 11,399,260	\$ 13,018,050	\$ 7,322,150	\$ 6,837,980	\$ 5,767,010			
		ESTIMATED									

Lewis Response	Additional follow up:
<p>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.</p>	<p>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?</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.</p>	<p>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.</p>
<p>Did receive grant funding from lower columbia fish recovery. Put these in as placeholders, uncertain of costs to the district.</p>	

Lewis Response	Additional follow up:
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.	What is the deliverable for the \$35,000? Was this based on vendor quote for service?
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 creper view.	Needs JS sheet.

Lewis Response	Additional follow up:
Have not selected a system yet, have reviewed them and looking to adopt smaller scale system.	
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.	BPA needs updated bid for firm estimate on cost.
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.	What drove the need for this if new? If district is now taking over existing work, should this reduce cost in other areas of the maintenance?
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.	
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.	







Lewis Response	Additional follow up:

Estimate includes future cost of fuel. Could reduce estimate to FY22 since gas prices are lowering.



Lewis Response	Additional follow up:













































The image displays a large table with a grid structure, consisting of approximately 40 rows and two columns. Three rows are highlighted in yellow, serving as section dividers. The rest of the table cells are empty.





