Status	in Sonar & Turbidity Sensors	RO		R1	BPA Question
	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	\$ 3,768,3	00 \$	3,768,300	Is this an addition to capability?
	Spillway 4 Rail Extension - Design				
4	Spillway Gate Control - Alternative Analysis	\$ 50,0	00 \$		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	\$ 4,0	00 \$	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	\$ 275,00	00 \$	75,000	Is this expense?
	Trash Rake - Alternative Analysis				
	Trash Rake Construction				
4	Trash Rake Design	\$ 191,00	00 \$	191,000	Does this need to be completed this year?
	Trash Removal System - Alternative Analysis				
	Trash Removal System - Construction				
	Total Demonstration Design	\$ 300,00		200.000	habita and disharah ada da ima
-4-	Trash Removal System - Design Unit Instrumentation - Alternative Analysis		00 \$		Is this part of the trash rake design?
4	Unit Instrumentation - Alternative Analysis Unit Instrumentation - Design	\$ 45,0	5 00		The title sounds like a study or expense.
	Unit Instrumentation - Design Unit Instrumentation - Installation				
4	Unit Instrumentation - Installation Unit Turbine Gage Board Inputs Into SCADA - Installation	\$ 35,0	00 Ś	35,000	
	Operations	\$ 105,0		105,000	
1	Major Office & Network Equipment		00 \$	25,000	
1	Security Improvements		00 \$	80,000	
	Recreation	\$ 220,0		70,000	
4	Campground A Loop Restroom - Design		00 \$		His the current restroom failed? How close to failure
	Campground A Loop Restroom - Installation	- 30,0	y	00,000	The state of the s
4	Campground & Day Use Park Paving	\$ 150,00	00 \$		Are these costs based on estimates?
	Campground Electrical Replacement - Design	230,00			
	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	\$ 10,0	00 \$	10,000	
	Project Revenue		00 \$	295,000	
1	Campground Revenue (Net of Service Fees)	950		95000	
1	Interest Income		100	200000	
		-			

Status	in	RO	R1	BPA Question
\vdash				
\vdash				

Lewis Response	BPA Narrative
	· · · · · · · · · · · · · · · · · · ·
In BIOP, needed to build an adult fish release site. Conjunction with US Forest Service, and Taccma. Is having operational issuer. Have a split cost with Taccma, 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.	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 ray that it is currently deficent? What are the impacts and consequences to leave as is or defer? What agreements or MOU's are in place with Tacoma? MOU's are in place with Tacoma regarding this issue? Does this actually quality as maintenence under the agreement with Tacoma?
Use existing flood draw down, extend it for a few days to do seciment 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 secliment deposits.	Defer - too many variables and speculative to be budgesed 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 ectivities 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
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.	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?
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.	Move to Exhibit F
These cost are based on Cowlitz Falls usage	Move to Exhibit F
These cost are based on Cowlitz Falls usage	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.
Yes, these are required annual inspections	Annual requirement,
тыу ктаки из тарике интин тиревенти	Amman requirement. Cricital to operations
	untain to operations Important, but not critical.
	important, but treat circum. 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 func can cover.
This is for deposal of the debris that is deposited in the box from raking the trash with the trash rake.	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 buil nose between spillway 3 and 4. We occasionally, need divers for inspecting the	
unit trash racks during periods of debris build up.	
	0k - 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.	Defer - no specific urgency, and wait for either a EERC 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.
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.
5	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.
This is an annual fee for access to pricing for rental and contractual fee. This is used is writing and enforcing contracts.	OK - software, should be rolled up into Exh F A&G
The IO-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 then 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.
This is annual maintenance costs for parts and material.	Critical, reliability of generating equipment - Annual parts, do one per year. Based on concition. Materials.
This is for a spare jackey pump for the governor system.	Critical, reliability - critical spare part.
This is to add level indication for the governor of sump.	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
	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.	covering with UT 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 0Y 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.
	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-nuns.
	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-nuns.
	Defer - too many variables and speculative to be budgeted for at this point. Naed several years of actual expenditures to develop an estimate for budgeting. Recommend tracking actual expenditures and covering with OY fund under-runs.

Selection of the content of the cont	Lawis Response	BPA Narrative
According the material of th		
desirable from the control of the co		Defer - Urgenry not apparent as it's a contuation 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
And information of the continue of the continu	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 recommmendation was to perform rock scaling	
Desir propriet and the data of an ability displacement and the seather of a propriet and and the seather of a propriet and and a propriet and and an ability displacement and and an ability displacement and and an ability displacement and an ability dis	every 3-5 years.	
Desir propriet and the data of an ability displacement and the seather of a propriet and and the seather of a propriet and and a propriet and and an ability displacement and and an ability displacement and and an ability displacement and an ability dis	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.	
Section Sect		Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
Section Sect		
See the field and an internal Section from the Section fr	We do not have oil tank level sensors. This is a new sensor.	
in the state of th		
Set principal desirability and engine principal day and engine principa	This is to install plezometers with digital outputs into our SCDA system. This will give us more acurate and consistent plezometer readings.	
Significant price and solito between the first price p		
in the last on suppressed when the same straight part product originate doubt on suppress dealbild, send members Part	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	Citica - participation safety.
Cited of weeds and containing and speciation. Cited for weeds and speciation. Cited spec	work that was not performed before. This will greatly increase reliability and reduce unplanned outages. Will look at this more.	
Cited of weeds and containing and speciation. Cited for weeds and speciation. Cited spec		Critical for all and Hiddlife, and manufacture
can be evaluating bormush the arrest \$2.000 support selection in the expension of the serior selection in the expension of the serior selection in the expension of the expensio		Critical for plant reliability and monitoring.
can be evaluating bormush the arrest \$2.000 support selection in the expension of the serior selection in the expension of the serior selection in the expension of the expensio		
can be evaluating bormush the arrest \$2.000 support selection in the expension of the serior selection in the expension of the serior selection in the expension of the expensio		
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is a re-equaling flow must the amost 5CDA tapper will cost. We do not have a programmer or staff to make resolfications to the SACAA system. We will continue to enfine this number in the number of the plant costs through tracing eposes. Critical import for maintenance. Critical import for m		Critical - Safety PPE
is a re-equaling flow must the amost 5CDA tapper will cost. We do not have a programmer or staff to make resolfications to the SACAA system. We will continue to enfine this number in the number of the plant costs through tracing eposes. Critical import for maintenance. Critical import for m		
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Defer - Need to validate counts drought reading expense. Citical layout for maintenance. Citical layout for maintenance on our spillage prior to XIMA. Defer not support mend.	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	
Les service water control system is clossifieds. Spere parts and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plant needs. We will access the system. Citical date to expinent condition and lack of functionality. Integrations VDDs no longers expeptrated. Citical integrated for the protection. Citical integrated for the surrough manifestor on our spillways gates. Centifical print and integrated protection. Centifical print and integrated protection. Citical integrated for the country of the surrough manifestor on our spillways gates. Centifical integrated for the country in an integrated con our spillways gates. Centifical integrated for the country in an integrated con our spillways gates and integrated for the country have viable office spool incide the dam. The effect trailers will be personal integrated for the surrough manifestor on our spillways gates. Centifical fasts workforce that does not currently have viable office spool incide the dam. The effect trailers will be feasted. We are vailing on detaining a bluiding permit from the country. The country is an integrated protection of the country in a surrough in flight. Not critical for the protection. Centifical for the country is an integrated on our spillways persons. Centifical for the print integrated on our spillways and the country is an integrated for the plant integrated. Centifical for the country is an integrated for the plant integrated for the plant integrated for the plant integrated for the plant integrated. Colleged integrated for the country is an integrated for the plant integrated for	weeks.	Defer - Need to validate costs through tracking expenses.
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risida due to eujoreate condition and lack of functionality. Important - VIDE on longer supported. Important		Critical support for maintenance.
risida due to eujoreate condition and lack of functionality. Important - VIDE on longer supported. Important		
icitical due to equipment condition and lack of functionality. Icitical due to equipment condition and lack of functionality. Icitical due to equipment condition and lack of functionality. Icitical -plant safety and five protection. Icitical	The service water control system is obsolete. Spare parts and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plant needs. We wil	
Insportant, VDX no longer supported. Circlal - major feature maintenance. Circlal - major feature. Circlal - feature. Ci	evaluate and upgrade the system.	Critical due to euipment condition and lack of functionality.
citical - plant safety requirement to be completed prior to 2024. An it is a FREC Part 12 dam safety requirement to be completed prior to 2024. An it is for parts and material for the annual maintence on our spillway gates. An effice 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 binding permit from the county. The annual maintence on our spillway safe to cave the confice 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 binding permit from the county. The but are preparational difficult on 2023. An octifical but already in flight. Not critical but already in flight. In critical for transformer maintenance and generation reliability. An ordical but already in flight. Citical for transformer maintenance and generation reliability. And not have turnine oil level indication. This will assist us in determine if we have any oil leskage. And not have turnine oil level indication. This will assist us in determine if we have any oil leskage. And not have turnine oil level indication. This will assist us in determine if we have any oil leskage. And not have turnine oil level indication. This will assist us in determine if we have any oil leskage. And not have turnine oil level indication. This will assist us in determine if we have any oil leskage. An operation of the precision.		Important - VFD's no longer supported.
his is a FFRC Part 12 dams asfety requirement to be compited prior to 2024. Defer - No urgent need. Defer - No urgent n		Critical - major feature maintenance.
his is a FFRC Part 12 dams asfety requirement to be compited prior to 2024. Defer - No urgent need. Defer - No urgent n		
be for a not an urgent need. He 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 biulding permit from the count; have of issued a permit fort domestic water usage. We will need to perform some tests preor to approval. The site preparational office set up is scheduled for 2023. Not critical but already in flight. Not critical but already in flight. Citical for day to day operations. Citical for day to day operations. Citical for fays to day operation reliability. Led on on have turbine oil level indication. This will assist us in determine if we have any oil leakage. Led on on have turbine oil level indication. This will assist us in determine if we have any need replacing every 4-6 years. We like to have a set of shaft seals ready to install for each unit maintenace cycle. Seplected recently and there cords are for a full set. Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.		Critical - plant safety and fire protection.
be for a not an urgent need. He 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 biulding permit from the count; have of issued a permit fort domestic water usage. We will need to perform some tests preor to approval. The site preparational office set up is scheduled for 2023. Not critical but already in flight. Not critical but already in flight. Citical for day to day operations. Citical for day to day operations. Citical for fays to day operation reliability. Led on on have turbine oil level indication. This will assist us in determine if we have any oil leakage. Led on on have turbine oil level indication. This will assist us in determine if we have any need replacing every 4-6 years. We like to have a set of shaft seals ready to install for each unit maintenace cycle. Seplected recently and there cords are for a full set. Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.		
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Not critical but already in flight. Critical but already in flight. Critical for day to day operations. Critical for fay to day operations. Critical for fransformer maintenance and generation reliability. Critical for transformer maintenance and generation reliability. Critical for transformer maintenance and generation reliability. Critical for transformer maintenance and generation reliability. Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.	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 biulding permit from the county. The	
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he 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 day to day operations. Critical for the food and peneration reliability. Critical for the food and peneration reliability. Critical for the food and peneration reliability. 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.		Not critical but already in flight.
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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 for transformer maintenance and generation reliability.
Ve 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 maintenace cycle. Set epiaced recently and these costs are for a full set.	This is for Verizon service to provide communication to our turbidity sensors.	
Ve 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 maintenace cycle. Set epiaced recently and these costs are for a full set.		
aplaced recently and these costs are for a full set.	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 maintenace cycle. Set replaced recently and these constraints are for a full set.	
		Critical - critical spare part.

Lewis Response	BPA Narrative
	Defer - no urgent requirement or neet.
	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 serivces agreement with the consultant.	Critical for safety
	Critical for operation of facility
We have new employess 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 form home.	Critical for monitoring plant and operations
	Critical for operations
	Critical for safety
This is to cover the equipment that we ue to perform the rope access and rescue tasks.	Critical for safety
This is to satisfy the Ecology requirement for devloping a sediment managemet plan for Cowit Falls. This wil also satisfy a FERC requirement for a sediment managemet plan. WA DEQ requires a plan '27	Critical for security of facility
This is to Satisfy the Ecology requirement of deviciping a sequiment mangement plan to Cowit Pails. This will also Satisfy a FERC requirement for a sequiment 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 I scontracted. This dears out the bat launched after each flood season for recreational and project related boat usage.	Lintos for operations Critical for operations
No. This is for material for general building maintenace.	Littica for operations Critical for operations
no. IIIs is in indena ni genera unung mamenace.	Cittat to Operations
	Defer - Not critical, currently have furnishings.
	Determination of personnel.
	Defer - no urgent need or safety of visitors issues cited.
These are recocurring 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 suppies for grounds maintenace.	Critical - operations
	Critical - operations, safety of visitors

Lewis Response	BPA Narrative
This was for Lewis County Noxios Weeds to assist us in controlling noxius 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. This line item is to pump out our septic system tanks and vaults. Line item 304 is for contractual serives to assist us with our septic and water systems.	Critical - operations and maintenance
rins inner nem is to pump vuctou septic system ranks and wants. One nem soon is for contractual serves to assect 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 on Citical Important on Citical
	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
	Important - not critical Important - not critical
	IMPACENT- TAX CITICAL
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

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 - Dusiness requirement Critical - business requirement
	CITICAT - DUBITICAS TEQUTIONITY
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 FA&G 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?
Yes, this is the fee for having Cowlitz Falls document scanned.	Deter - not critical and need to do document clean up first. Do they have a process of scanning documents with current starry what is the pian for the long term?
·	Critical - business requirement
	Critical - support safety
Dam sefety and sediment are some cadidates. 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.
	Jeen Cussa are uncertain, with suite or a chuorise grafit work. Critical - busines 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.
	important work for rong 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 erchive the Cowlitz Falls documents.	Importan - 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 FV22 since gas prices are lowering. Actuals thru July are \$14,120, and the average is \$2,000 a month	
	Critical - plant support
This is appeal spring for this position. There are counted above that this appears will take to continue.	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
	important - not critical Critical - safety
	CHILDER - SERVEY
	Critical - safety
	Important - not critical

Lewis Response This training will take several years to complete.	In	BPA Narrative apportant - not critical
	Ne	leed 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 recuirements.
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 prop	posal and project details in the Sharefile folder.	
	De	lefer - Need Actual Costs before agreement - too many unkowns concerning costs.
	Dr	efer - not critical
		No. lead
	De	efer - 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 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	n the 2023 budget.	
	Re	emove - 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 beneft 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
	CITALEN - SHIELD OF PURINC
_	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 etcs for coordinating the collection and remoal of debris.
	perer into urgent need, nequesting a study which an uncertaint projects to ensure appropriate platement, capacity etcs for tool unlaung the conection and remote or teams.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etcs for coordinating the collection and remoal of debris.
	Defer - no urgent requirement or neet.
	Defer - no urgent requirement
	Cirtical - operational support
	Critical - security
	Defer - no urgent need or safety of visitors issues cited.
	Deter - no wigens need on salesy of visitors issues cited.
	Defer - no urgent need or safety of visitors issues cited.
	Important - support of recreational users.

Lewis Response	BPA Narrative

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Subset	2023	Status	_	Subtotal	%
O&M	\$ 3,944,235	Accepted	\$	1,521,535	39%
		Additional Info Needed	\$	-	0%
		Remove	\$	2,422,700	61%
Special O&M	\$ 5,164,540			5,064,540	98%
			\$		0%
			\$		2%
OR&R	\$ 14,432,900		_	2,200,100	
				120,000	
				12,112,800	
Grand Total	\$ 23,541,675			8,786,175	37%
				120,000	1%
				14,635,500	62%
		Remove	_		62%
		Remaining	\$	-	

	Budget	et Year		2023 (Supported)	% Change from '23 Request				FY22	
2023 - 2029 O&M		_	2023 (Requested)			Difference		O&M	_	3,119,480.00
Fish & Wildlife		210,380	\$ 229,440	\$ 124,440	-46%	\$ 105,000		Special O&M		4,180,950.00
Maintenance	\$ 1,70		\$ 2,593,700		-75%	\$ 1,952,700		OR&R		4,004,670.00
Operations		330,040	\$ 302,600		-30%	\$ 90,000		ORSK	,	4,004,070.00
Recreation		416,800	\$ 455,760		-60%	\$ 275,000		Grand Total	ė 1	11,305,100.00
Necesium Taxes		65,100	\$ 65,100		0%	\$ 273,000		Grand rotal	7 1	1,303,100.00
Training & Trav		191,850	\$ 97,735	\$ 97,735	0%	\$ -				
Transmission		63,000	\$ 62,000	\$ 62,000	0%	\$ -				
Wage, Benefits, 8		113,360			0%	\$ -				
Grand Total (C&R		158,480			-61%	\$ 2,422,700	\$ 2,422,700			
Some four pos	Budget		y 5,544,E35	2023 (Supported)	% Change from '23 Request	y 2,422,700	y 2,422,700		_	
3072 - 7023 Speci		_	2023 (Requested)	2023 (Supported)	77 dilango ironi zo iroquosi					
General General	\$ 1,0		\$ 1,169,040	\$ 1,069,040	001				-	
		39,000	\$ 1,169,040	\$ 1,069,040	-9% 0%				-	
Operations Training & Travel		23,800	\$ 26,800		0%				_	
Iraning a travel Wage, Benefits, 5					0%				-	
wage, penents, of		180,950			-2%				-	
Urand Total (Spec			\$ 5,164,540		% Change from '23 Request				-	
	Budget	_		2023 (Supported)	% Change from 23 Request				-	
2027 - 2023 GR&I	R 202	122	2023 (Requested)						-	
Fish & Wildlife			\$ 170,000		-100%				-	
Fleet		37,000	\$ 85,000		0%				-	
Maintenance	\$ 2,2		\$ 14,002,900		-86%				-	
Operations		75,400			0%					
Recreation		600,000	\$ 70,000		-86%				_	
Grand Total (OR8	t&R) \$ 4,00	004,670		\$ 2,200,100	-85%				_	
Project Revenue	•		\$ 295,000	\$ 295,000	0%				_	
									-	
Grand Total (All III	Items) \$ 11,3	344,100	\$ 23,246,675	\$ 8,491,175	-63%					

_		_			
FY.	23 Target	FY:	23 Proposed	Dif	ference
\$	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	\$	15,093,900.00	\$	(8,689,230.00)
L					
\$	12,295,290.00	\$	22,708,670.00	\$	(10,413,380.00)
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2023 - 2029 CFP Budget Estimates (2022 for reference)	В	udget Year	Exp	ended
(Excludes Wages & Benefits)			Ė	
Fish & Wildlife	Ś	210,380	\$	91.491
O&M	\$	210,380	\$	91,491
Creel Study	\$	18,000		15029
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
American Fisheries Society (AFS) Membership	\$	-		105
Wildlife Society Membership	\$	80		0
OR&R	\$	-		
Fleet	\$	37,000	\$	18,095
OR&R	\$	37,000	\$	18,095
Mower	\$	22,000	Ť	18095
Vehicle	\$	15,000		0
General	Ś	1,004,700	\$	1,082,745
Special O&M	Ś	1,004,700	Ś	661,985
A&G Exhibit F	\$	371.600	Ť	247736
ASDSO - Government Membership	\$	572,000		55
Auditing - Accountability	\$	2,300		0
Auditing - Recountability 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		102192
INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$	7,200		4018
INSURANCE - EXCESS LIABILITY	\$	25,000		34064
INSURANCE - LIABILITY	\$	10,500		34064
INSURANCE - PROPERTY	\$	200,000		198047
LEGAL SERVICES - BIOP & FERC ISSUES	\$	24,200		5143
LEGAL SERVICES - BIOP & FERCISSUES	\$	20,000		13328
Long Range Plan Analysis	\$	35,000		405
NWHA Membership	\$	33,000		403
OFFICE SUPPLIES AND EXPENSES	\$	9,300		2916
Maintenance	\$	4,060,220	Н	2910
O&M			ė	392,649
	\$	1,767,950	\$	392,649
ARC FLASH STUDY	\$	35,000		0
Automatic Transfer Switch Grouting	\$	1,000		
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 Contract Diesel Generator Maintenance	\$	12,600 10,000		0 8676

Contract Drafting Services	\$	50,000	
Contract Maintenance Elevator	\$	15,200	14020
Control Room / Office Area Repairs - Construction	\$	586,030	65282
Control Room / Office Area Repairs - Construction Control Room / Office Area Repairs - Design	\$	7,500	05282
Control Room / Office Area Repairs - Design Control Room Paperless Recoders	\$	42,000	0
Dam Instrumentation	\$	2,200	0
Dam Instrumentation Debris Removal - Trash Rake Debris Box	\$	6,000	1723
Diesel Generator Connection to Spillway Gates 2 & 3	\$	14,000	1/23
Diesel Generator Connection to Spiliway Gates 2 & 3 Diesel Generator Load Bank	\$	8,500	12077
	\$		
Diving Services	\$	16,500	1627
Drainage Pump Handrail		2,500	1627
Drainage System	\$	3,000	
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	
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
SMAG Power Connection & Cable	\$	4,500	2328
Smoke Detectors & Fire Water Systems	\$	2,500	310
Spillway Gates	\$	5,000	0
Tools & Equipment - Operations	Ś	15,000	18768

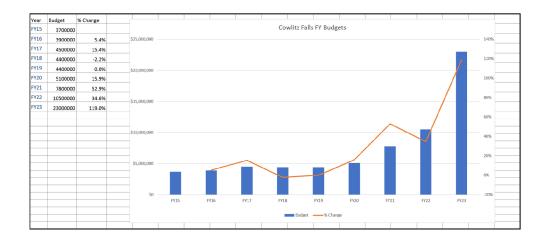
Trunnion Friction Testing	\$	65,000	5951
Turbidity Sensor Communication	\$	1,000	0
Turbine Shaft Seals	\$	30,000	26396
Unit Control Board Meter Replacement	\$	42,000	0
Unit Turbine Gage Board Inputs into SCADA - Design	\$	4,000	0
Warehouse Repairs	\$	64,000	26
OR&R	\$	2,292,270	\$ 929,480
5-Ton Bridge Crane	\$	490,000	С
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	C
Exciter Brush Dust Vacuum System	\$	92,200	C
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	C
Roadway Gates	\$	12,000	c
Roadway Lighting	\$	20,000	С
Sluice Gate Replacement - CFD & Physical Model Design	\$	115,605	122031
Sluice Gate Replacement - Design 1	\$	372,000	C
Sonar & Turbidity Sensors	\$	25,000	47897
South Downstream Abutment Wall Handrail	\$	27,000	c
Spillway 4 Rail Extension - Design	\$	330,025	219368
Spillway Gate Hoist Covers - Construction	\$	95,000	C
Spillway Gate Hoist Covers - Design	Ś	25,000	C
Spillway Handrail & Guardrail	\$	226,585	228856
Trash Rake - Alternative Analysis	\$	86,850	76500
Trash Removal System - Alternative Analysis	Ś	76,630	35508
Operations	Ś	405,440	
0&M	\$	291,040	\$ 117,566
1D Sediment Transport Study	\$	100,000	8454
Advertising		,	874
CFP Cell Phones	\$	1,500	6286
CFP Telephones	\$	7,000	7090
CFP Vehicle Verizon Connect	\$	540	1510
COMMUNICATIONS - RADIOS, ETC	s	7,900	628
Computer and Supplies		7,500	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 Remote SCADA Communications	\$	8,000	7114
	5	6,000	1969
Operator Supplies - Dam Portable Restrooms - Dam			300
Respirator Fit Testing	_	2.000	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
OR&R	Ś	75,400	Ś	15,899
Major Office & Network Equipment	\$	25,400	-	13,033
Security Improvements	s	50,000		15899
Special O&M	Ś	39,000	Ś	30,729
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 - JANITORIAL CONSUMABLE SUPPLIES - SAFETY & PPE	\$			6927
Recreation		6,500		6927
	\$	2,011,800		
O&M	\$	411,800	\$	127,814
Advertising	\$	3,000		3489
Boat Launch Sediment Removal	\$	5,000	H	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 - GROUND	\$	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	Ś	2,300		5005
Potable Water and Septic System Testing	\$	2,000		1762
Recreation Assessment	Ś	90,000		0
Recreation Tree Removal	7	30,000		10710
Repairs & Supplies	s	10,000		8307
Sign Replacements	\$	2,200		480
Sign Replacements Tools & Equipment - Recreation	\$	3,000		2174
	\$	1,600,000	Ś	652,689
OR&R	5		,	652,689
Copper Canyon Take Out Site Improvements		1,600,000		652689
Taxes	\$	65,100		25.25
O&M	\$	65,100	\$	35,316
County Taxes	\$	700		732
Ecology Water Tax	\$	7,500		0

Business and Sales Tax			584
Privilege Tax	\$	56,900	34000
Training & Travel	\$	215,650	
O&M	\$	191,850	\$ 75,037
American Fisheries Society Meeting	\$	1,500	(
American Governor Analog Gov Training	\$	7,000	367:
ASDSO Conference	\$	2,500	2084
AVO Electrical Series	\$	4,350	844
CEATI - ANNUAL MEETING	\$	3,000	10273
CEATI - DSIG MEETING	\$	2,200	(
CEATI - HPLIG MEETING	\$	2,800	(
EPTC Fundamentals of Electricity	\$	7,200	1430
EPTC Generation Series	\$	3,500	1800
EPTC System Operations Personal Grounding	\$	1,260	630
EPTC Transmission Series	\$	3,500	3600
HSI Online Training	\$	800	647
HydroVision	\$	3,000	5569
NW Hydro Forum	\$	800	2076
NWHA - ANNUAL MEETING	\$	800	1643
NWHA - WORKSHOP	\$	500	933
NWPPA - LEADERSHIP TRAINING	\$	3,400	(
OPERATOR TRAINING DEVELOPMENT 2022	Ś	130.000	28897
TPC - ELECTRICAL WORKSHOP	Ś	4,350	5709
TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$	2,390	3585
TRAINING - PESTICIDE APPLICATION	\$	1,500	472
TRAINING - WATER & WASTEWATER	Ś	1,200	
Wildlife Classes	\$	4,000	1175
Special O&M	Ś	23.800	\$ 190
NWPPA - ADMIN ASST TRAINING	\$	2,400	
TRAINING - COMPUTER	Ś	800	190
TRAINING - FALL PROTECTION	\$	8,000	(
TRAINING - ROPE ACCESS	\$	8,000	(
WPUDA - ADMIN ROUNDTABLE	\$	600	
WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING	Ś	4,000	(
Transmission	\$	63,000	
O&M	Ś	63,000	\$ 3.610
ROW Maintenance	\$	60,000	295
Transmission Line Corridor Planting	s	3,000	659
Wages, Benefits and Taxes	Ś	3,226,810	
Grand Total	Ś	11,300,100	

O&M	Bu	dget		Expended	% Spent	Completion Rate	67%
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%	
Grand Total (O&M)	\$	3,001,120	\$	843,483	28%	42%	
Special O&M		2022	E	xpended	% 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%	**Estimation due to lack of data
Grand Total (Special O&M)	\$	4,294,310	\$	2,792,904	65%	98%	
OR&R		2022	E	xpended	% 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%	
Grand Total (OR&R)	\$	4,004,670	\$	1,616,163	40%	61%	
Grand Total (All items)	\$	11,300,100	\$	5,252,550	46%	70%	

		_		_			_					_							
			FY22		Adj		L						FY22		Adj		Target		
0&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)				FY:	22	FY	23 Target	FY2	3 Proposed	Diffe	rence
	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	\$	5,098,660.00	\$	(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%													
	CR&R	\$	4,004,670.00	\$	6,404,670.00	59.93%													
Ĺ	Grand Total	\$	11,305,100.00	\$	12,295,290.00	8.76%													



Status	T	in		RO	R1	Link Brodelin
Status	Type	in Grand Total	ė	22,509,670		Lewis Description
		O&M	ç	2.615.110	\$ 25,095,675	
		Fish & Wildlife	ė	238,740	\$ 229,440	
1	R	American Fisheries Society (AFS) Membership	5	110	\$ 110	
	- 1	American Francisca Society (At 3) Membership	Ť	110	7 110	
						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.
		STORT TO A DULLY FROM OUT DESIGNATION AND A STORT OF THE STORY OF THE	,	75 000	4 75.000	
4	NR	CISPUS ADULT FISH SITE RELEASE ANALYSIS Creel Study	Ş	75,000	\$ 75,000	
		ESA BiOp Studies				
1	R	Fish & Wildlife Contract Services (RTL Consulting)	4	10,000	\$ 10,000	
		Fish Gate Position Indicators	Ť	20,000	20,000	
		Tibil data i data i matatara				
						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.
						pasted that the mining up or section of the maning point enterties of an enterties and the section of the point of the poi
	ND	Fishing Pond Sediment Removal	Ļ	30,000	\$ 30,000	
1	R	Habitat & Fish Recovery Services (WDFW)	4	10,000	\$ 10,000	
1		Habitat Management; Fertilizer, Spraying, Plants	¢	9,000	\$ 9,000	
1		Kid's Trout Derby	s	5,600	\$ 5,600	
1		Mitigation Trout Program	ś	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	\$ 2,667,700	
		ARC FLASH STUDY				
		Automatic Transfer Switch Grouting	_			
		AVR Testing				
4		Battery Bank Replacement	\$	-		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.
						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.
4	NR	Bridge Sections Inspection & Analysis	\$	106,000	\$ 106,000	
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		Contract Crane Inspections	\$	14,000		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 Recoders	_			
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 deposal 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 T	vpe	in	RO	R1	Lewis Description
Julius II	,pe				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
					tins is to cleaning die trait tote gate sin prior tot annotation maintenance, surveying the crossion of the spinway 1 aprior and but nose between spinway 3 and 4. We occasionanty, need divers for inspecting the unit trash racks during periods of debris build up.
1	R	Diving Services	\$ 16,	00 \$ 16,500	
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,	00 \$ 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,	00 \$ 48,000	This is to get ahead of oil containment/skimming/processing issues.
1	R	Drainage System	\$ 3,0	00 \$ 3,000	This is a general maintenance item for annual repairs and parts.
1	R	Electrical Parts	\$ 14,	00 \$ 14.400	This is generally for replacement parts, some small construction projects, and some spare parts
	-	Elevator Controls - Design	\$ 60.		
	-	Elevator Controls - Design	, 00,	00 5 00,000	
		DEVALOR CONTROLS - INSTANTACION			
1	R	Equipment Rental	\$ 17,	00 \$ 17,000	
1	R	Equipment Watch Annual Fee	\$ 2,5	00 \$ 2,500	This is an annual fee for access to pricing for rental and contractual fee. This is used is writing and enforcing contracts.
		FERC Part 12 Recommendations			
		Forebay and Tailrace Level Sensor Replacement			
1	R	Fuel - Diesel Generator	\$ 1,	00 \$ 1,500	
					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 then 5-tons. The load cell would add a safety component to the procedure.
		Control Control Phillips and Coll	45.	00 4 45 000	
		Gantry Crane Jib Hoist Load Cell	\$ 15,		
	-	Generator Bus Boots	\$ 8,0		The generator bus boots would cover bus connections not currently covered.
1	-	Generator Oil Mist Piping	\$ 3,0	00 \$ 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	-	Governor	\$ 4,1		This is annual maintenance costs for parts and material.
		Governor and Turbine Oil Replacement		\$ 100,000	
	-	Governor Jockey Pump	\$ 4,1		This is for a spare jockey pump for the governor system.
4		Governor Oil Sump Level Indication	\$ 5,0	00 \$ 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,	00 \$ 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			
	T				
	.				L
1	-	Instrumentation Parts	\$ 10,	00 \$ 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	\$ 1,0	00 \$ 1,000	
					With the name had stated from the first that the first that the state of t
1	R	Maintenance - Unanticipated Dam Repairs	\$ 10,	00 \$ 10,000	With the new budgeting format of inclividual line items, there is no general line item to include unanticipated repairs. This is a line item to include these costs.
			10,	10,000	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.
			l		
1	R	Maintenance Management System	\$ 15,	00 \$ 15,000	
1	R	Maintenance Supplies for Electric Plant	\$ 5.	00 \$ 5,400	
			, , , , , , , , , , , , , , , , , , ,		
1	R	Mechanical & Piping	\$ 10,	00 \$ 10,000	
1	,	Mechanical Parts	\$ 14,	00 \$ 14,000	
Δ.	3	mechanica ratio	· 14,	oo j ⇒ 14,000	

Notice and the second process of the secon	Status	Type	in	RO	R1	Lewis Description
Section Market Control Statement Section	Status	турс	"	NO .	NI NI	come description
Section Market Control Statement Section						
Note Contract and Foreign (perfections) 1, 10, 10, 10, 10, 10, 10, 10, 10, 10,	1					
Section of the Control of Contr	1	R	Mobile Crane Maintenance	\$ 1,500	\$ 1,500	
A both that New Household from years 5 1,000 5 1,000						
Part College (section 1997 5 2,000	4	R	North Rock Wall Scaling (Every 5 years)	\$ 150,000	\$ 183,800	perform rock scaling every 3-5 years.
Section Control professor (UT) 5 5000 5 5000						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.
1	4	NR	Oil Bearing Level Sensors - Unit 1	\$ 24,000	\$ 24,000	
A Principle Special Control			Oil Bearing Level Sensors - Unit 2			
Second Present Presentation Second Secon	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 See Lything	1	R	Painting & Special Coatings	\$ 3,200	\$ 3,200	
Source S	1	NR	Piezometer Pressure Transmitters	\$ 18,000	\$ 18,000	This is to install piezometers with digital outputs into our SCDA system. This will give us more acurate and consistent piezometer readings.
Obstract resource, as necessed, based on aduals. They work on productive relay and matering, Should be induced in black. List in muse addition and about in the future be included with bulker. This is additional work that was not performed follow. This will greatly increase reliability and reluce segmented datages. Will look at this more. 1. Repair Benedor Shift Standor 1. Repair Benedor Shift Shift Standor 1. Repair Benedor Shift Standor 1. Repair Benedor Shift Standor 1. Repair Benedor Shift Standor 1. Repair Benedo	1	R	Plant Lighting	\$ 1,000	\$ 1,000	
Labor. This is different when the performacy before. This will greatly increase militability and reduce any planed course, SWII look at this more. 1	1	R	Plant Water Wells & Testing	\$ 1,200	\$ 1,200	
International Control Section Control Section						
Second To Deed Above Control Room Second To Deed T	1	R		\$ 8,000	\$ 8,000	
Septim Elevator Shaff Instruct						
Septim Stainwell Interiors Septim Interiors Septim Stainwell Interiors Septim Interiors Septi						
8 Active Facilities for Color Pril Color Pri			-		-	
3 Softer (autometal-Non PE			-			
Septic System National Processing Support 3 SCADA Reages Support 5 10,700 5 10,700 6 Septic System National Processing Support 5 10,700 5 Septic System National Processing Support 5 10,700 6 Septic System National Processing Support 6 Septic System National Processing Support 6 Septic System National Processing Support 7 Septic System National Processing Support 8 Septic System National Processing Support 8 Septic System National Processing Support 8 Septic System National Processing Support 9 Septic System National Processing Support 1 No. Septic Water System Support 1 No. Septic Water			·			
\$ SOADA Neswork Support *** A SCADA Support *** SCADA Support ** SCADA Support *** SC	1	R		\$ 5,000	\$ 5,000	
We we 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 numb in the next few weaks. I so so the programmer on staff to make modifications to the SCADA system. We will continue to refine this numb in the next few weaks. I so						
SCADA Support S 20,000 S 75,000 In the next few weeks. String: Stephan Ministenance - Dam Service Water System Replacement - S 1,000 S 1,000 In the next few weeks. The service water control system is obsolete. Spare parts and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and supports are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and supports are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and supports are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and supports are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and supports are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and supports are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and support available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will eva	1	R	SCADA Network Support	\$ 10,700	\$ 10,700	
Sprice System Maintenance - Dam Sprice System Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam Sprice Water System Resign Name of Maintenance - Dam	1	R	SCADA Support	\$ 200,000	\$ 75,000	
Revited Mater System Design Revited Water System Design Revited Water System Rehabilitation S 45,000 S 45,000 S 45,000 Revited Relative Water System Rehabilitation S 45,000 S 45,000 Revited Water System Rehabilitation S 45,000 S 45,000 Revited Relative Water System Rehabilitation S 45,000 Revited Relative Water System Rehabilitation S 45,000 Revited Relative Water System Rehabilitation Revited Water System Rehabilitation Revited Water System Rehabilitation Revited Water VID & Control Replacement Health Revited System Rehabilitation Revited Relative Water VID & Control Replacement Health Revited System Rehabilitation Revited Relative VID & Control Replacement Health Revited System Rehabilitation Revited Relative Water VID & Control Replacement Health Revited System Rehabilitation Revited Relative VID & Control Replacement Health Revited System Rehabilitation Revited Relative VID & Control Replacement Health Revited Revited Rev			Seismic Study			
Service Water System Design NR Service Water System Rehabilitation \$ 45,000 \$ 45,000			Septic System Maintenance - Dam			
he service water control system is obsolete. Spare parts and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plan needs. We will evaluate and upgrade the system. 1 NR Service Water System Rehabilitation 5 4,500 \$ 4,5000 2 NR Service Water PD & Controls Replacement 5 2,500 \$ 5,200 3 NR Service Water PD & Controls Replacement 5 2,500 \$ 2,500 4 Sulfie Gate Buildhead Seals - Replacement 5 2,500 \$ 2,500 5 NR Service Water PSystems 5 3,000 \$ 3,000 5 Spillway 1 Apron Repairs - Alternative Analysis 5 3,000 \$ 3,000 5 Spillway 1 Apron Repairs - Alternative Analysis 5 5 \$ 5,000 NR Spillway Gate Existe Element Analysis 5 5 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate Size Lieuted Analysis 5 5,000 \$ 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate Size Lieuted Analysis 5 5,000 \$ 5,000 NR Spillway Gate Size Lieuted Analysis 5 5,000 \$ 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate First Element Analysis 5 5,000 \$ 5,000 NR Spillway Gate Control Spillway Gate Spillway Gate Control Spillway Gate Gate Gate Gate Gate Gate Gate Gate	1	R	Service Air Compressor	\$ 1,000	\$ 1,000	
NR Service Water System Rehabilitation \$ 45,000 \$ 45,000			Service Water System Design			
NR Service Water VFD & Control Replacement \$ 4,000 \$ 4,500 \$ 4						The service water control system is obsolete. Spare parts and support are no longer available. We also have seasonal occurance where the service water system is not adequest for the plant
NR Service Water VFD & Controls Replacement		N.D.	Santa Water Santa Bahakii and	ć 45.000	45.000	needs. We wil evaluate and upgrade the system.
\$ Sluce Gate Bulkhead Seals - Replacement \$ 2,500 \$ 2,500 \$ 2,500 \$ 3,000 \$ 3,000 \$ 3,000 \$ 3,000 \$ 3,000 \$ 5,	1			\$ 45,000		
SMAG Power Connection & Cable Symbol Detectors & Fire Water Systems \$ 3,000 \$ 3,000	1			\$ -		
Spillway 1 Apron Ropairs - Alternative Analysis Spillway 1 Apron Ropairs - Alternative Analysis Spillway 1 Apron Ropairs - Alternative Analysis Spillway 5 dat 6 Bottom Seal Repair NR Spillway Gate Control - Alternative Analysis Spillway Gate Finite Element Analysis Spillway G	1	К	·	\$ 2,500	\$ 2,500	
Spillway Sate A Bottom Seal Repair A NR Spillway Gate Control - Alternative Analysis Spillway Gate Control - Alternative Analysis A NR Spillway Gate Control - Alternative Analysis Station Service cabinet Inputs Into SCADA - Design Station Service Control - Alternative Analysis Station Service Control - Alternative Analysis Seel Structure & Equipment Coating Structure Maintenance; Concrete, Fincing The office are for the Cowlitz Falls workforce that does not currently have vable office space inside the dam. The office trailers will be leased. We are waiting on obtaining a biulding permit from the county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to appoval. The ste preparational of office set up it is scheduled for 2023. NR Temporary Officas Spillway Gate Control - Alternative Analysis The office are for the Cowlitz Falls workforce that does not currently have vable office space inside the dam. The office trailers will be leased. We are waiting on obtaining a biulding permit from the county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to appoval. The ste preparational of office set up it is scheduled for 2023. NR Temporary Officas Spillway Gate Control - Alternative Analysis Spillway Gate Control - Alternative Analysis Spillway Gate Control - Alternative Analysis The office are for the Cowlitz Falls workforce that does not currently have vable office space inside the dam. The office trailers will be leased. We are waiting on obtaining a biulding permit from the county. Th	1			ć 2000	ė 2000	
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NR Spillway Gate Control - Alternative Analysis \$. \$ 50,000 This is a FERC Part 12 dam safety requirement to be completed prior to 2024. NR Spillway Gate Firite Element Analysis \$ 90,000 \$ 90,000 This is a FERC Part 12 dam safety requirement to be completed prior to 2024. NR Spillway Gate Firite Element Analysis \$ 5,000 \$ 5,000 This is for parts and material for the annual maintence on our spillway gates. NR Spillway Gate Firite Element Analysis \$ 5,000 \$ 5,000 This is for parts and material for the annual maintence on our spillway gates. NR Spillway Gate Circuit Fasker Replacement - Alternative Analysis Saction Service cabinet inputs into SCADA - Installation SCAD						
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 Spring Gate Finite Element Analysis \$ 5,000 \$ 5,000 This is a FERC Part 12 dam safety requirement to be completed prior to 2024. 1 NR Spillway Gates Gather Inputs Into SCADA - Design \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 5,000 This is for parts and material for the annual maintence on our spillway gates. 2 Sation Service Cabinet Inputs Into SCADA - Installation \$ 5,000 \$ 4,000 \$ 4,000 \$ 5,000		N/D		ė	¢ 50.000	
1 R Sation Service cabinet Inputs Into SCADA - Design S 4,000 \$ 4,000	4			ć 00.000		This is FFRC Part 13 day select a supplied risks 2004
1 NR Station Service cabinet inputs into SCADA - Design \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 5 4,00	4			9 50,000		
Station Service cabinet inputs into SCADA - Installation Station Service Circuit Breaker Replacement - Alternative Analysis Station Service Circuit Breaker Replacement - Alternative Analysis Structure Maintenance: Concrete, Fending Stru	1					I in is to it parts and material for the annual maintence on our sprinway gates.
Station Service Circuit Breaker Replacement - Alternative Analysis Seel Structures & Equipment Coating Structure Maintenance; Concrete, Fencing The office are for the Cowlitt Falls workforce that does not currently have vable office scarce inside the dam. The office trailers will be leased. We are waiting on obtaining a bipliding permit from the county. The county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to appoval. The site preparational of office set upil is scheduled for 2013. The office are for the Cowlitt Falls workforce that does not currently have vable office scarce inside the dam. The office trailers will be leased. We are waiting on obtaining a bipliding permit from the county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to appoval. The site preparational of office set upil is scheduled for 2013. The office are for the Cowlitt Falls workforce that does not currently have vable office scarce inside the dam. The office trailers will be leased. We are waiting on obtaining a bipliding permit four domestic water usage. We will need to perform some tests preor to appoval. The site preparational of office set upil is scheduled for 2013. The office are for the Cowlitt Falls workforce that does not currently have vable office scarce in the dam. The office are for the Cowlitt Falls workforce that does not cur	1	NK		p 4,000	3 4,000	
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Structure Maintenance; Concrete, Fencing Fine office are for the Cowlitt Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowlity Falls workforce that does not currently have vable office sace inside the dam. The office are for the Cowling Falls workforce that does not currently have vable of the dam. The office are for the Cowling Falls workforce that does not currently have vab						
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 biulding permit from the county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to approval. The site preparational of fice set upil is scheduled for 2023. 1 Remporary Offices 5 23,000 5 23,000 1 Responsible from the county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to approval. The site preparational of fice set upil is scheduled for 2023. 1 Remporary Offices 5 22,000 5 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. The office are for the Cowlitz Falls workforce that does not currently have value discussed in the county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to approval. The site preparational of fice set upil is scheduled for 2023. The office are for the Cowlitz Falls workforce that does not currently have value file dam. The office trailers will be leased. We are waiting on obtaining a biulding permit from the county. The county has not issued a permit four domestic water usage. We will need to perform some tests preor to approval. The site preparational of fice set upil is scheduled for 2023. The office are for the Cowlitz Falls workforce that does not currently have value file dam. The office trailers will be leased. We will need to perform some tests preor to approval. The site preparational of fice set upil is scheduled for 2023.				c	e	
1 R Tools & Equipment - Operations S 22,000 S 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 S 1,000 S 1,000 Trunnion Friction Testing This is for Verizon service to provide communication to our turbidity sensors.			331 VALVE & PROBERCHARCE, CONCRETE, PERCING	-	,	The office are for the Cowlitz Falls workforce that does not currently have viable office soace inside the dam. The office trailers will be leased. We are waiting on obtaining a biulding permit from the county. The county has not issued a permit for domestic water usage. We will need to perform some tests preor to appoval. The site preparational diffice set upi is scheduled for 2023.
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		Temporary Offices			
Trunion Friction Testing This is for Verizon service to provide communication to our turbidity sensors.	1	R	Tools & Equipment - Operations	¥ ==,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	
1 3 Turbidity Sensor Communication \$ 1,000 \$ 1,000						This is for Verizon service to provide communication to cur turbidity sensors.
	1	R	Turbidity Sensor Communication	\$ 1,000	\$ 1,000	

Status	Туре	-	RO	R1	Lewis Description
Status		In			·
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.
					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 maintenace cycle. Set replaced recently and these costs are for a full set.
1	R	Turbine Shaft Seals	\$ 30,000	\$ 30,000	
		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			
		Operations	\$ 262,600	\$ 276,600	
		1D Sediment Transport Study			
1		Advertising - Dam	\$ 1,200	\$ 1,200	
1		CFP Cell Phones	\$ 8,400		This is a more accurate cost based on actuals. Actuals thru July are \$4,256, and the monthly cost is \$720.
1		CFP Telephones	\$ 10,800		This is a more accurate cost based on actuals. Actuals thru July are \$6,441, and the monthly cost is \$925
1		CFP Vehicle Verizon Connect	\$ 2,300		This is a more accurate cost based on actuals. Actuals thru July are \$1,135, and the monthly cost is \$190.
1		COMMUNICATIONS - RADIOS, ETC	\$ 8,100		This is a more accurate cost based on actuals. Radios and mountain antennas.
1		Communications Fiber - User Fee	\$ 48,500	\$ 48,500	
1	- 11	Computer & Supplies	\$ 6,000		This is a new account for computer and supplies that are under the capitalization threshold.
1		Dam Safety Consultant	\$ 64,000		This is a new account for computer and supplies that are under the capitalization unreshold. We have a professional services agreement with the consultant.
1		Electric Utilities - Secondary Power Feed	\$ 11,800	\$ 64,000	The little is a procession service agreement will till COISMISH.
1		Fall Protection Equipment	\$ 5,000		We have new employess that need to get outfitted.
4		FERC Dam Movement Survey	\$ 8,800		· · ·
1		FR. Clothing - CFP	\$ 9,500		Yes, this is contracted. This is purchased through a selected vendor.
1					I fin is purchased through a selected vendor.
1		GARBAGE SERVICE - OPERATIONS	\$ 2,400	\$ 2,400	This is not the committee to the COON of the family of
1		Operator Remote SCADA Communications	\$ 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		Respirator Fit Testing	\$ 1,500	\$ 1,500	
1	R	Rope Access Gear	\$ 4,500		This is to cover the equipment that we ue to perform the rope access and rescue tasks.
1	R	Security/Plant Locks	\$ 300	\$ 300	
					This is to satisfy the Ecology requirement for devicing a sediment mangemet plan for Cowit Falls. This will also satisfy a FERC requirement for a sediment managemet plan. WA DEQ requires a plan '27 requirement.
4	NR	Sedimentation Report	\$ 50,000	\$ 50,000	a pair 27 requirement.
		Sedimentation Report Annual Updates	\$ -	\$ -	
1		Sedimentation Survey	\$ 5,800	\$ 5,800	
1		Shelving & Furniture	\$ -	\$ 14,000	
1		Subscriptions, Prints, Copies and Maps	\$ 2,200	\$ 2,200	
		Recreation	\$ 306,760		
1		Advertising	\$ 3,600	\$ 3,600	
1		Boat Launch Sediment Removal	\$ 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		No. This is for material for general building maintenace.
		Campground Fire Pits Graveling	, 3,200	3,200	g and a second graduate recover
1		Campground Host	\$ 125,000	\$ 125,000	
1		Campground Internet	\$ 3,200	\$ 3,200	
1	Λ.	Campgiouna internet	3,200	3,200	
4	NR	Campground & Day Use Park Paving	\$ -	\$ 150,000	
1		Campground Reservation Software	\$ 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		Campground Wood Chips	\$ 500	\$ 500	, y and the original passes and an analysis of the original passes.
1		Contract Septic and Water Services	\$ 27,000	\$ 27,000	
	,	Contract Services (Backhoe, Gravel)	\$ 27,000	\$ 27,000	
1	R	Contract Services (Backnoe, Graver) Contract Services (Dock Installation and Removal)	\$ 2,700	\$ 2,700	
1	Α.	Source of Areas (Does Installation and Relifuyal)	÷ 2,700	2,700	

Status	Type	in	RO	R1	Lewis Description
Status	туре	D-Loop Electrical Design & Feed Replacements	KU .	RI.	This work will be completed in the fall of 2022 after the campground closes.
1	R	Electric Utilities	\$ 11,500	\$ 11500	This is a more accurate cost based on actuals. Actuals thru July are \$6,736, and the monthly cost is \$963.
1		EQUIPMENT REPAIRS - PARK	\$ 3,500	\$ 3,500	the data declaration and a real and a pay and the monthly code to global
1		GARBAGE SERVICE - RECREATION	\$ 6,600	\$ 6,600	
1		Group B Annual Operating Fee - Falls Road Well	\$ 60	\$ 60	
1		MAINTENANCE - GROUND	\$ 3,400		No. This is for material and supples for grounds maintenace.
1		MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400	\$ 6,400	INO. THIS TO THE CHARLES AND EXCEPT OF BURETON THE INTERFECT.
-	- "	INVINITE SEVERA VALER SISTEM	5 5,450	0,400	This was for Lewis County Noxios Weeds to assist us in controlling noxius 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.
		Noxious Weed Control	\$ 6,000	\$ -	
1		Operation Supplies	\$ 2,200	\$ 2,200	
1		Port Blakely Road Access Agreement	\$ 30,000	\$ 30,000	
1		Port Blakely 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		Recreation Tree Removal	\$ 10,000	\$ 10,000	
1	R	Repairs & Supplies	\$ 10,000	\$ 10,000	No labor. This is for material and supplies.
					This Iline item is to pump out our septic system tanks and vaults. Line item 304 is for contractual serives to assist us with our septic and water systems.
1		Septic System Maintenance - Recreation	\$ 6,000	\$ 6,000	
1		Sign Replacements	2,500	\$ 2,500	
1	R	Tools & Equipment - Recreation	\$ 3,000	\$ 3,000	
		Taxes	\$ 65,100	\$ 65,100	
1		County Taxes	\$ 700		
1		Ecology Water Tax	\$ 7,500	\$ 7,500	
1	R	Privilege Tax	\$ 56,900	\$ 56,900	
		Training & Travel	\$ 109,110		
1		American Fisheries Society Meeting	\$ 1,500	\$ 1,500	
1		American Governor Analog Gov Training	\$ 8,500	\$ 8,500	
1		American Governor School	\$ 8,000	\$ -	
1		ASDSO Conference	\$ 2,500		
1	R	AVO Circuit Breaker Maintenance	\$ -	\$ 5,000	
1		AVO Electrical Series	\$ 4,350	\$ -	
1	R	AVO Substation Maintenance I	\$ 5,000	\$ -	
1	R	AVO Thermography I	\$ 5,000	\$ 5,000	
		AVO Thermography II	A 10.55		
1		CEATI - ANNUAL MEETING	\$ 10,500		This is based on actuals. Actuals thru July are \$10,275 - no other costs for the rest of the year
1		CEATI - ASSET Management Meeting	\$ 1,800 \$ 4,400	\$ 1,800	
1	R	CEATI - DSIG MEETING	y 4,400	\$ 4,400	
1	R	CEATI - HPEIG MEETING	\$ 4,400	\$ 4,400	
	<u> </u>	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	5 -	
1		EPTC Generation Series	\$ -	\$ 1,260	
1	R	EPTC Relay Protection	\$ 3,500	\$	
1		EPTC Switching & Grounding	\$ 7,000	\$ 4,000	
1		EPTC System Operations Personal Grounding	\$ 1,260	5 -	
1	R	EPTC Transmission Series	\$ 3,600	\$ 1,875	
1		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		NWHA - WORKSHOP	\$ 2,000	\$ 2,000	
1	R	NWPPA - LEADERSHIP TRAINING	\$ 3,400	\$ 3,400	
		OPERATOR TRAINING DEVELOPMENT 2022			

Status Typ				
	pe in	RO	R1	Lewis Description 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	R TPC - ELECTRICAL WORKSHOP	\$ 5,000	\$ -	This is for our operating usining program. We train each employee to be at journeyman terer as a right of eccurcian, right of recraiming and right of operator.
1 R	TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,400	\$ -	
1 8	R TRAINING - CRANE	\$ 4,000	\$ 6,500	
1 :	TRAINING - MANLIFT/FORKLIFT	s -	\$ 4,000	
1 8	R TRAINING - PESTICIDE APPLICATION	\$ 1,600	\$ 1,600	
1 R	R TRAINING - SEL Generator Relay	\$ -	\$ 4,800	
1 F	R TRAINING - Western Protective Relay	s -	\$ 3,000	
1 R	·	s -	\$ 3,800	
1 F	TRAINING - Factory Talk Training	s -	\$ 3,500	
1 6	R TRAINING - WATER & WASTEWATER	\$ 1,200	\$ 1,200	
1 5	R Wildlife Classes	\$ 4,000	\$ 4,000	
	Transmission	\$ 62,000	\$ 62,000	
1 :	R ROW Maintenance	\$ 60,000	\$ 60,000	
1 5	Transmission Line Corridor Planting	\$ 2,000	\$ 2,000	
	Wage, Benefits, & Taxes	\$ 137,900	\$ 137,900	
1 -	R OT Taxes	\$ 4,500	\$ 4,500	
1 R	Social Security Medicare	\$ 133,400	\$ 133,400	
1 7	Soctial Security Medicare - F&W Tech	\$ -	\$ -	
	Special O&M	\$ 5,098,660	\$ 5,164,540	
	General	\$ 1,094,460	\$ 1,169,040	
1 R	A&G Exhibit F	\$ 382,800	\$ 414,080	
1 7	R ASDSO - Government Membership	\$ 60	\$ 60	
1 R		\$ 2,350	\$ 2,350	
1 7	R Auditing - Finandal	\$ 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 B		\$ 42,000	\$ 65,300	
	R CEATI - PROJECTS	\$ 15,000	\$ 15,000	
	R Compliance Consultant	\$ 65,000	\$ 65,000	
4 P	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 reoccurring cost.
	D. D. L.	¢ 5000	¢ 5000	
1 N		\$ 5,000		Yes, this is the fee for having Cowlitz Falls document scanned.
		\$ 103,000	\$ 103,000	
1 R	R Fire District Payment	\$ 20,000	\$ 20,000	
				Dam safety and sediment are some cadidates. 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.
4 N	R Infrastructure Grant Proposal (HDR)	\$ 50,000	\$ 50,000	materiory costinger year.
1 R	INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$ 7,500	\$ 7,500	
1 5	R INSURANCE - EXCESS LIABILITY	\$ 26,000	\$ 26,000	
1 R	INSURANCE - LIABILITY	\$ 11,000	\$ 11,000	
1 5	INSURANCE - PROPERTY	\$ 210,000	\$ 210,000	
1 R		\$ 25,000	\$ 25,000	
1 :	R LEGAL SERVICES - GENERAL ISSUES	\$ 20,000	\$ 20,000	
				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.
	Long Range Plan Analysis	\$ 35,000	\$ 35,000	
	NWHA Membership	\$ 1,000	\$ 1,000	
1	R OFFICE SUPPLIES AND EXPENSES	\$ 9,300	\$ 9,300	
				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.
1 N	R Records Clean Up	\$ 15,000	\$ 15,000	This is based on a quote from Freeboc to Complete the work started in 2022. Freeboc will go unough and dispose, organize, and a trive the Cowill's falls documents.
	Operations	\$ 57,300	\$ 48,600	
		,	,	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 and Equipment Fuel	\$ 31,200	\$ 22,500	
1	CF Vehicle Maintenance	\$ 15,000	\$ 15,000	
			\$ 3,200	
1 8	CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200	3 3,200	
1 R	CONSUMABLE SUPPLIES - FIRST AID CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300	\$ 1,300	

Ch.:	т.		RO	R1	Luck Don't "
Status	Туре	in			Lewis Description
		Training and Travel	\$ 26,800		
1	R	ARC FLASH TRAINING	\$ 3,000	\$ 3,000	
1		NWPPA - ADMIN ASST TRAINING	\$ 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		Training - Confined Space	\$ 8,000	\$ 8,000	
		TRAINING - FALL PROTECTION			
1		TRAINING - ROPE ACCESS	\$ 8,000	\$ 8,000	
1	R	WPUDA - ADMIN ROUNDTABLE	\$ 600	\$ 600	
1	R	WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$ 4,000		This training will take several years to complete.
		Wage, Benefits, & Taxes	\$ 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 Suppport Wages - IS/IT	\$ -	\$ -	
		ES Support Wages - Purchasing	\$ -	\$ -	
1	R	Flu Shot Clinics	\$ 400	\$ 400	
1		L&I Employer	\$ 27,500	\$ 27,500	
		L&I Employer F&W Tech	\$ -	\$ -	
1	R	Long Term Disability	\$ 4,600	\$ 4,600	
1		Long Term Disability - F&W Tech	\$ -	\$ -	
1		Misc Pension & Benefits, CDL, Medical Exam, etc	\$ 5,000	\$ 5,000	
		Misc Pension & Benefits, CDL, Medical Exam, etc - F&W Tech	s -	s -	
1	R	OT Benefits	\$ 7,400	\$ 7,400	
1		OT Wages	\$ 59,100	\$ 59,100	
1		Paid Familay Leave Benefit	\$ 3,400	\$ 3,400	
		Paid Familay Leave Benefit - F&W Tech	\$ -	\$ -	
- 1	R	PCORI ACA Requirement	\$ 100	\$ 100	
1		PL Cash Out	\$ 5,000	\$ 5,000	
		PL to VEBA Cash Out	\$ 16,000	\$ 16,000	
1		Retiree/COBRA Med Ins - Premiums & Claims	\$ 20,000		
1		Short Term Disability		\$ 2,000	
1	К		\$ 2,000	\$ 2,000	
	_	Short Term Disability - F&W Tech	*	v	
1	R	Standby Pay	\$ 39,500	\$ 39,500	
1	R	Term Insurance Benefit	\$ 1,200	\$ 1,200	
	-	Term Insurance Benefit - F&W Tech	à -	> .	
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	\$ -	\$ -	
		OR&R	\$ 14,894,900	\$ 14,233,900	
		Fish & Wildlife	\$ 955,000	\$ 170,000	
		(CHAP) Comprehensive Habitat Action Plan - Wildlife Evaluation	333,000	2,0,300	
		Alternative Fishing Derby Site Development - Construction			
		Alternative Fishing Derby Site Development - Construction Alternative Fishing Derby Site Development - Design			
		Ancernative mining perby site Development - Design			
					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
		m = 6 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	400	\$ 120,000	Sharefile folder.
4		Kiona Creek Enhancement	\$ 120,000	> 120,000	
		Man-Made Island Canal - Construction			
4		Man-Made Island Canal - Design	\$ 50,000	\$ 50,000	

	Τ_					
Status	Type		RO	-	R1	Lewis Description
		Wildlife Meadows Unit#5		_		
4		Wildlife Mitigation Land		5,000	\$ -	
		Fleet	\$ 9	0,000	\$ 85,000	
		Mower				
						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.
1	_	RT Fork Lift	\$ 8	5,000	\$ 85,000	
	-	Side By Side		\rightarrow		
						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.
		Truck Box Crane	\$	5,000	\$ -	The late of going projects that require this term to discount in the Lord projects and the late of the
		Vehicle				
		Vehicle for Replacement				
		Vehicle for Resource Worker				
			Ś 13.52	4,900	\$ 13,803,900	
			. ,			
1				5,000		
	_			0,000	\$ -	
	\vdash	7 0	\$ 6	0,000	\$ -	
		Boat Barrier Replacement - Alternative Analysis				
1		Boat Barrier Replacement - Design	\$ 8	0,000	\$ 60,000	
		Boat Barrier Replacement - Installation	\$ 1.80	0,000	\$ 2,060,000	
4				_		
4		Debris Barrier Coating & Cathodic Protection - Construction	\$ 3,68	0,800	\$ 3,680,800	
	-	Debris Barrier Coating & Cathodic Protection - Design		-		
		Downstream Boat Ramp		_		
1	_		\$:	0,000	\$ 10,000	
		Downstream Notification Siren - Installation	\$	-	\$ -	
4			\$ 6	0,000	\$ -	
	_	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	\$ 2	5,000	\$ 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			\$ 2:	5,000	\$ 215,000	
1				0,000	\$ -	
		Generator Protective Relay Replacement - Installation				
		Intake Gate Slot Cover - Alternative Analysis				
		Lathe				
		Mobile Diesel Generator & Log Bronc Cover				
		New Facility - Construction				
		New Facility - Construction New Facility - Design		\neg		
		new rocarry - Design				
4		New Facility - Site Preparation	\$ 1,06	8,100	\$ 1,668,100	
		Plant Auxiliary Equipment Inputs into SCADA - Design				
		Plant Auxiliary Equipment Inputs into SCADA - Installation				
		Revenue Meters				

Status	in	RO	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	,,,,,,,,,,,	. 3,, 00,000	
4	Spillway Gate Control - Alternative Analysis	\$ 50,000	s -	
	Spillway Gate Control - Atternative Analysis	- 50,000		
	Spillway Gate Control - Installation			
	Spillway Gate Hoist Covers - Construction			
	Spillway Gate Hoist Covers - Construction			
	Spillway Gate Prost Covers - Design Spillway Gate Structural Reinforcement			
	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		
4	Unit Instrumentation - Alternative Analysis	\$ 45,000	\$ -	
	Unit Instrumentation - Design			
	Unit Instrumentation - Installation			
	Operations	\$ 105,000		
1	Major Office & Network Equipment	\$ 25,000		
1	Security Improvements	\$ 80,000		
	Recreation	\$ 220,000		
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			

Status	Туре	in	RO	R1	Lewis Description
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	
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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 deficent? What are the impacts and consequences to		
long amazutoria responsibility. Or a freed to understand to the univers, need and in priority, nas any regulatory poors say trait, to currently element or the universal to leave as is or defer? What agreements or MOU's are in place with Tacoma regarding this issue? Does this actually qualify as maintenence 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.		
action in the color of the colo		
	-	$\perp \perp \mid$
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	1	
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. Cricital to operations		+
Important, but not critical.	1	+
Important, but not critical. Critical to operations		+
New item, uncertain of justification.		+
The facility discontinuous for the facility of	1	+
	1	+
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		+
Deter - too many variables and speculative to to broughest or at it inspirit, weed several years or actual expenditures to develop an estimate for outgeting, recommend dataing actual expenditures and covering with OY fund under-runs, \$550K fund can cover.		
	-	_
Ok - routine work.		

8PA 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 relatvely 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 furd 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 furd under-runs.	
OK - software, should be rolled up into Exh F A&G	
Critical, safety - no load cell on one of the hoists.	
Important ast it is additional safety but not critical.	
Critcal, 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 - Annuel 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 O'f 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 assesment 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 furd 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 Of fund under-runs.	

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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 concustion 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		_
Circa-Direy+1-E		_
Critical for remote monitoring and operations.		_
Circuitor terrote 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 euipment condition and lack of functionality.		
Important - VFD's no longer supported.		
Crit cal - major feature maintenance.		_
Circui major reasore moniteriories.		
Critical - plant safety and fire protection.		
Defer - No clear need to prioritize.		\top
Defer - No urgent need.		
<u> </u>		
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.		-
	-	+
	1	

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 neet.	
Defer - no urgent requirement	
mportant - allows monitoring of oil for equipment condition monitoring.	
mportant for public communication.	
important for public communication. Critical for comms	
ritical for comms	
The state of the s	
The state of the s	
ritical 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	
arceuror 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	
Heed to look closer at costs as existing furniture should be utilized for rented offices. Original \$40k, Lowered to double recurring budget of \$7K	
mportant for operational support	
Critical for operations	
Critical for operations	
ritcal 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	
emove - will be done in '22	
Critical support of personnel.	
Critical for operations	
Critical for operations	
critical for operations	
and the second s	

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	Critical - operations, safety of visitors		_
	Bernove - this will be nerformed by current personnel.		
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BPA Narrative	+	-
Important, not critical		
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boint 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		
Section Control of the Control of th		
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	1	_
Critical - business requirement		
Important work for long range planning.	+	-
	+	
	+	+
Importan - 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		
	1	+
Critical - plant support	+	+
Critical - plant support		
Critical - plant support	1	

BPA Narrative	1
Critcal - Safety Training	
Important - not critical	
Important - not critical	
Critcal-safety	
Critcal -safety	
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.	
requirements.	
Defer - Need Actual Costs before agreement - too many unkowns concerning costs. LCPUD needs to inform 3PA whether or not grant funding is secured. Project should not continue until	
grant functing is determinted. At this point in time, Bonnveville is not in agreement with the project and would need additional information as to the potential impact on fish habitat.	
	NO
Defer - not critical	

BPA Narrative		
		\perp
Defer - legal		
Ok - this is a typical equipment for the fadility. However, cost estimate seems high.		
OK this is a typical equipment for the racinty. However, cost estimate seems ingit.		
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	1	+
Defer - not imminent failure Defer - not imminent failure	1	+
Deter - Inc. Infinitelent rature		+
Critical for safety of public	1	+
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		
perer until permit is received, atternatives discussed, security penetrit described and design complete for more accurate estimate of construction. Construction work window is Nov - red so expenditures should be separated and staged, design, procurement and their 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.		
	-	+
	-	+
	-	+

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BPA Narrative	-		+
Critical - security of facility			
Important - VFD's no longer supported.			
Defer - Need more discussion, can defer as it is not urgent			+-
Deter - Need more discussion, can deter as it is not digen.	1		+
			+-
	-		+
	-		+
	-		+-
			_
	-		+
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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.			
	1		
			_
			+
			+-
	-		+
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 etcs for coordinating the collection and remoal of debris.			
	1		
Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etcs for coordinating the collection and remoal of debris.			
Defer - no urgent requirement or neet.	1		1
source in our garrier requirements on medica.	1		+
			+
	-		+
	-		+
Critical - operational support	-	+	+
Critical - security	-		+
	-		+
Defer - no urgent need or safety of visitors issues cited.			1
			1
Defer - no urgent need or safety of visitors issues cited.			
	1		
	1		+
		,	

BPA Narrative	
Important - support of recreational users.	

Subset	2023	Status	Subtota	ol %	К_
	\$ 3,992,235		\$ 2,705		
OW.WI	y 3,332,233		\$ 2,705		0%
		Additional Info Needed	\$ 1,186	900 30	20%
Special O&M	¢ E164 F40	Accepted	\$ 1,186		
Special U&M					0%
		Additional Info Needed		,000 2	2%
	A 44000 CT	Remove	\$ 100 \$ 2,335		
OR&R	\$ 14,233,900			,700 16 - 0	6%
		Additional Info Needed	\$ 11,898		0%
	4 22 202 577	Remove			
Grand Total	\$ 23,390,675		\$ 10,105	,575 43	0%
		Additional Info Needed		- 0	0%
		Remove	\$ 13,185		6%
		Remaining	\$ (100,	(000,	
			_	_	_

	Budget Yea		2023 (Supported)	% of Requested Amount	
2023 O&M	2022	2023 (Requested)			
Fish & Wildlife	\$ 210,3			54%	
Maintenance	\$ 1,767,9			63%	
Operations	\$ 291,0			82%	
Recreation	\$ 416,8			67%	
Taxes	\$ 65,1	0 \$ 65,100	\$ 65,100	100%	
Training & Travel	\$ 191,8	60 \$ 97,735	\$ 97,735	100%	
Transmission	\$ 63,0				
Wage, Benefits, & Taxes	\$ 113,3	60 \$ 137,900		100%	
Grand Total (D&M)	\$ 3,119,4	0 \$ 3,992,235	\$ 2,705,335	68%	
	Budget Yea	r	2023 (Supported)	% of Requested Amount	
2023 Special O&M	2022	2023 (Requested)			
General	\$ 1,004,7	0 \$ 1,169,040	\$ 1,069,040	91%	
Operations	\$ 39,0				
Training & Travel	\$ 23,8				
Wage, Benefits, & Taxes	\$ 3,113,4				
Grand Total (Special O&M)	\$ 4,180,9			98%	
	Budget Yea		2023 (Supported)	% of Requested Amount	
2023 OR&R	2022	2023 (Requested)			
Fish & Wildlife		\$ 170,000	s .	0%	
Fleet	\$ 37,0			100%	
Maintenance	\$ 2,292,2			15%	
Operations	\$ 75,4			100%	
Recreation	\$ 1,600,0				
Grand Total (OR&R)	\$ 4,004,6			16%	
	\$ 99,0	-		100%	
Project Revenue	\$ 39,0	5 293,000	3 295,000	100%	
Grand Total (All Items)	\$ 11,206,1	0 \$ 23,095,675	\$ 9,810,575	42%	
	+,,-		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1-11	
Routine Program					
	Total Req	Requested		Agreed	
2023 O&M		Recurring	Non-recurring	Recurring	Non-recurring
Fish & Wildlife	\$ 229,4			\$ 124,440	
Maintenance	\$ 2,567,7			\$ 415,800	
Operations	\$ 276,6			\$ 206,800	\$ 19,80
Recreation	\$ 455,7			\$ 305,760	\$
Taxes	\$ 65,1			\$ 65,100	Ś
Training & Travel	\$ 97,7		+ -	\$ 97,735	ś
Transmission	\$ 62,0			\$ 62,000	s
Wage, Benefits, & Taxes	\$ 137,9		1	\$ 137,900	Ś
	\$ 3,892,2				*
	, SJOSEJE	Requested		Agreed	2,200,00
2023 Special O&M		Recurring	Non-recurring	Recurring	Non-recurring
General O&M	\$ 1,169,0				
Operations	\$ 1,169,0			\$ 1,049,040	
	ı⇒ 48,6	ບຸວ 48,600			
	A 3				
Training & Travel	\$ 26,8			\$ 26,800	¢
Training & Travel *Wage, Benefits, & Taxes	\$ 3,920,1	0 \$ 3,920,100	\$ -	\$ 3,920,100	\$
Training & Travel		0 \$ 3,920,100	\$ -	\$ 3,920,100	\$ 20,00
Training & Travel *Wage, Benefits, & Taxes	\$ 3,920,1	0 \$ 3,920,100	\$ -	\$ 3,920,100	

		FY22	FY	23 Target	FY	23 Proposed	Dif	ference
		\$ 3,119,480.00		1,909,670.00		2,516,110.00		(606,440.00)
		\$ 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)
		4,004,070.00	*	5,404,070.00	-	20,000,000.00	_	(3,003,230.00)
		\$ 11,305,100.00	Ś	12,295,290.00	\$	22,708,670.00	ŝ	(10,413,380.00)
		22,000,20000	*	22,230,230,00		22,7 00,07 0.00	Ť	(20) 120,000100
			-					
			-					
					-			
	\$ 16,410,575		-				H	
							H	
					_			
					_			
Percentage Agreed								
Recurring	Non-recurring							
100%	0%							
68%	65%	** Budget for SCADA needs to be reduced						
100%	28%							
100%	0%							
100%	#DIV/0!							
100%	#DIV/0!							
100%	#DIV/0!							
100%	#DIV/0!							
88%	57%							
Percentages Agreed								
Recurring	Non-recurring							
95%	29%							
100%	#DIV/0!							
100%	#DIV/0!							
100%	#DIV/0!							
99%	29%							

2023 - 2029 CFP Budget Estimates (2022 for reference)	В	udget Year	Exp	ended
(Excludes Wages & Benefits)			Ė	
Fish & Wildlife	Ś	210,380	\$	91.491
O&M	\$	210,380	\$	91,491
Creel Study	\$	18,000		15029
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
American Fisheries Society (AFS) Membership	\$	-		105
Wildlife Society Membership	\$	80		0
OR&R	\$	-		
Fleet	\$	37,000	Ś	18,095
OR&R	\$	37,000	\$	18,095
Mower	\$	22,000	Ť	18095
Vehicle	\$	15,000		0
General	\$	1,004,700	\$	1,082,745
Special O&M	Ś	1,004,700	Ś	661,985
A&G Exhibit F	\$	371.600	Ť	247736
ASDSO - Government Membership	s	372,000		55
Auditing - Accountability	\$	2,300		0
Auditing - Financial	\$	19,000		18524
CEATI - MEMBERSHIP	\$	65,300		0
CEATI - NICHIBERS III	\$	30,000		0
Compliance Consultant	\$	65,000		35557
FERC Annual Fee	\$	100,000		102192
Fire District Payment	\$	19,500		102192
INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$	7,200		4018
INSURANCE - EXCESS LIABILITY	\$	25,000		34064
INSURANCE - LIABILITY	\$	10,500		34064
INSURANCE - DABILITY INSURANCE - PROPERTY	\$	200,000		198047
LEGAL SERVICES - BIOP & FERC ISSUES	\$	24,200		5143
LEGAL SERVICES - SIOP & PERCISSOES LEGAL SERVICES - GENERAL ISSUES	\$	20,000		13328
Long Range Plan Analysis	\$	35,000		405
NWHA Membership	\$	800		403
OFFICE SUPPLIES AND EXPENSES	\$	9,300		2916
Maintenance	\$	4,060,220	Н	2910
O&M			^	392,649
	\$	1,767,950	\$	392,649
ARC FLASH STUDY	\$	35,000 1,000		0
Automatic Transfer Switch Grouting				
Buffer Zone Management	\$	3,200		0
CAD Software Licensing	\$	4,500		1978
Computer Software	\$	2,000		0
Construction Management Software	\$	12,000		0
	\$	12,600		0
Contract Crane Inspections Contract Diesel Generator Maintenance	Ś	10,000		8676

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	65282
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	0
	0
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	12077
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	1627
	540
\$ 17,000	6813
	2684
\$ 4,000	4822
\$ 15,000	4963
\$ 3,240	
\$ 165,780	C
\$ 3,200	0
\$ 5,400	
\$ 25,000	C
\$ 1,000	644
\$ 15,000	C
	398
\$ 5,400	3466
\$ 9,000	5189
\$ 10,600	7769
\$ 10,000	c
	398
\$ 75,000	82889
\$ 3,200	C
\$ 18,000	C
\$ 1,000	C
\$ 1,200	
	5893
\$ 3,500	C
\$ 1,500	C
\$ 500	С
\$ 10,000	C
\$ 5,000	2422
\$ 3,000	C
\$ 10,700	1395
\$ 120,000	18037
\$ 150,000	85165
1,000	C
\$	
\$ 2,500	0
\$ 2,500	
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\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 15,200 \$ 586,030 \$ 7,500 \$ 42,000 \$ 2,200 \$ 6,000 \$ 14,000 \$ 16,500 \$ 16,500 \$ 17,000 \$ 17,000 \$ 17,000 \$ 17,000 \$ 10,000 \$ 15,000 \$ 10,000

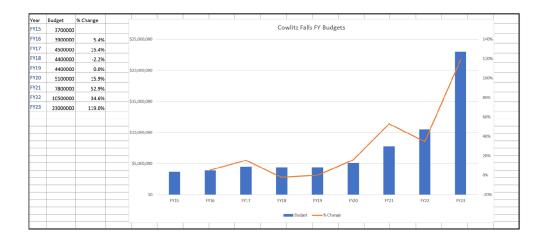
Trunnion Friction Testing	\$ 65,000	5951
Turbidity Sensor Communication	\$ 1,000	0
Turbine Shaft Seals	\$ 30,000	26396
Unit Control Board Meter Replacement	\$ 42,000	0
Unit Turbine Gage Board Inputs into SCADA - Design	\$ 4,000	0
Warehouse Repairs	\$ 64,000	26
OR&R	\$ 2,292,270	\$ 929,480
5-Ton Bridge 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	122031
Sonar & Turbidity Sensors	\$ 25,000	47897
South Downstream Abutment Wall Handrail	\$ 27,000	4/63/
Spillway 4 Rail Extension - Design	\$ 330,025	219368
Spillway Gate Hoist Covers - Construction	\$	
Spillway Gate Hoist Covers - Construction Spillway Gate Hoist Covers - Design	\$ 95,000 25,000	0
	\$	228856
Spillway Handrail & Guardrail Trash Rake - Alternative Analysis	\$ 226,585	76500
·	86,850	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Trash Removal System - Alternative Analysis	\$ 76,630	35508
Operations	 405,440	
0&M	\$ 291,040	\$ 117,566
1D Sediment Transport Study	\$ 100,000	8454
Advertising		874
CFP Cell Phones	\$ 1,500	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 Remote 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
OR&R	\$	75,400	\$	15,899
Major Office & Network Equipment	\$	25,400		0
Security Improvements	\$	50,000		15899
Special O&M	\$	39,000	\$	30,729
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
Recreation	\$	2,011,800		
O&M	\$	411,800	\$	127,814
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	s	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	Ť	0,100		60
MAINTENANCE - GROUND	\$	3,200		4947
MAINTENANCE - SEWER & WATER SYSTEM	\$	6,400		12821
Noxigus Weed Control	\$	0,400		12021
Operation Supplies	\$	2,200		1073
Port Blakely Road Access Agreement	\$	30,000		10/3
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 Assessment Recreation Tree Removal	Þ	90,000		10710
Repairs & Supplies	\$	10,000		8307
Sign Replacements	\$	2,200		480
Tools & Equipment - Recreation	\$	3,000		2174
	\$		ŝ	652,689
OR&R Copper Canyon Take Out Site Improvements	\$	1,600,000	>	652689
				652689
Taxes	\$	65,100		25.256
O&M	\$	65,100	\$	35,316
County Taxes Ecology Water Tax	\$	700 7,500		732 0

Business and Sales Tax			584
Privilege Tax	\$	56,900	34000
Training & Travel	\$	215,650	
O&M	\$	191,850	\$ 75,037
American Fisheries Society Meeting	\$	1,500	(
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	(
CEATI - HPLIG MEETING	\$	2,800	(
EPTC Fundamentals of Electricity	\$	7,200	1430
EPTC Generation Series	\$	3,500	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	(
OPERATOR TRAINING DEVELOPMENT 2022	\$	130,000	28897
TPC - ELECTRICAL WORKSHOP	\$	4,350	5709
TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$	2,390	3585
TRAINING - PESTICIDE APPLICATION	\$	1,500	472
TRAINING - WATER & WASTEWATER	\$	1,200	(
Wildlife Classes	\$	4,000	1175
Special O&M	\$	23,800	\$ 190
NWPPA - ADMIN ASST TRAINING	\$	2,400	(
TRAINING - COMPUTER	\$	800	190
TRAINING - FALL PROTECTION	\$	8,000	(
TRAINING - ROPE ACCESS	\$	8,000	(
WPUDA - ADMIN ROUNDTABLE	\$	600	(
WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$	4,000	C
Transmission	\$	63,000	
0&M	\$	63,000	\$ 3,610
ROW Maintenance	\$	60,000	2951
Transmission Line Corridor Planting	\$	3,000	659
Wages, Benefits and Taxes	\$	3,226,810	
Grand Total	Ś	11,300,100	

0044					% Spent		
O&M		dget		Expended		Completion Rate	679
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	ş	191,850	\$	75,037	39%	59%	
Transmission	\$	63,000	\$	3,610	6%	9%	
Grand Total (O&M)	\$	3,001,120	\$	843,483	28%	42%	
Special O&M		2022	E	xpended	% 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%	**Estimation due to lack of data
Grand Total (Special O&M)	\$	4,294,310	\$	2,792,904	65%	98%	
OR&R		2022	E	xpended	% 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%	
Grand Total (OR&R)	\$	4,004,670	\$	1,616,163	40%	61%	
Grand Total (All items)	\$	11,300,100	\$	5,252,550	46%	70%	

		FY22	Adj							FY22		Adj		Target		
0&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)				FY2	22	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	\$	5,098,660.00	\$	(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	0&M	\$ 3,119,480.00	\$ 1,909,670.00	-38.78%												
	Special O&M	\$ 4,180,950.00	\$ 3,980,950.00	-4.78%												
	CR&R	\$ 4,004,670.00	\$ 6,404,670.00	59.93%												
	Grand Total	\$ 11,305,100.00	\$ 12,295,290.00	8.76%												



	-	in		RO	R1	and the
Status	Туре	in Grand Total	ė	22,509,670		BPA Question
		O&M		2.615.110	\$ 23,246,675	
		Fish & Wildlife	ć	238,740	\$ 229,440	
		American Fisheries Society (AFS) Membership	ć	110		
1	ĸ	American risneries society (Ar-5) Membership	3	110	\$ 110	
						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.
4	NR	CISPUS ADULT FISH SITE RELEASE ANALYSIS	\$	75,000	\$ 75,000	
		Creel Study				
		ESA BiOp Studies				
1	R	Fish & Wildlife Contract Services (RTL Consulting)	\$	10,000	\$ 10,000	
		Fish Gate Position Indicators	\vdash			
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		Battery Bank Replacement	\$	-		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	ŝ	106,000	\$ 106,000	Please provide reasoning for the bridge inspection for FY23.1s it on a cyclic schedule that is best engineering practice or requirement?
1		Buffer Zone Management	\$	3,200	\$ 3,200	
1		CAD Software Licensing	\$	6,000		Are these costs shared with Lewis
1		Computer Software	\$	2,000		Are these costs shared with Lewis
				7.00		
4		Construction Management Software	5	7,600		Are these costs shared with Lewis
1		Contract Crane Inspections	,	14,000 12,000	\$ 10,000	
1		Contract Diesel Generator Maintenance	,	12,000 50,000	\$ 12,000 \$ 50,000	
1	R	Contract Drafting Services Contract Maintenance Elevator	c	18,500	\$ 50,000	
1		Contract Maintenance Elevator Control Room / Office Area Repairs - Construction	ç	10,500	\$ 869,000	
1	NK	Control Room / Office Area Repairs - Construction Control Room / Office Area Repairs - Design	,	-	\$ 869,000	
		Control Room / Office Area Repairs - Design Control Room Paperless Recoders				
		Control Room Faperiess Recoders				
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	1			

Status	Time	in	RO	R1	BPA Question
Status	Type	in .	KU KU	KT	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		Elevator Controls - Design	\$ 60,000		
		Elevator Controls - Installation	,	,	
1		Equipment Rental	\$ 17,000	<u> </u>	
1		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		Generator Bus Boots	\$ 8,000	\$ 8,000	
1		Generator Oil Mist Piping			
		Generator Parameter Validation Testing			
1		Governor	\$ 4,000	\$ 4,000	What is this for?
		Governor and Turbine Oil Replacement	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$ 100,000	
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	3,000	3,000	To United Explaned Control Con
		GSU Transformer Maintenance			
		GSU Transformer Oil Processing & Testing			
		GSU Transformer Testing			
1		HVAC	\$ 3,500	\$ 3,500	
1		HVAC AH-1 Replacement Office Area	\$ 5,500	\$ 50,000	
	ININ	Inspect Upstream Coating Spillway Gate 4	· .	5 50,000	
		поросс орон вани сласину эршwау ставе 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	Maintanna Handidatad Dan Barria	40.000	40.000	What was a label in included in 1932 found the 1932 found the 1932
1	R	Maintenance - Unanticipated Dam Repairs	\$ 10,000	> 10,000	Why wasn't this inlouded in '22? Should have?
				1	
				1	
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		Maintenance Supplies for Electric Plant	ć E 400	ė	
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	Туре	in		RO	R1	BPA Question
1	R	Metal	\$	13,000	\$ 13,000	
1	R	Mobile Crane Maintenance	\$	1,500	\$ 1,500	
	R	North Rock Wall Scaling (Every 5 years)		150,000	¢ 192 900	Prior rock scaling was estimated to be good for 6-7 years. Please provide reasoning this costexpenditure is required in FY23
		HOLLI ROCK WALLSCALING (EVELY 5 Years)	1	130,000	3 163,600	First rock scaling was estimated to be good for 6-7 years. Frease provide reasoning discoste/penditure is required in 1123
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		Painting & Special Coatings	\$	3,200	\$ 3,200	
1		Piezometer Pressure Transmitters	Ś	18,000	\$ 18,000	
1		Plant Lighting	Ś	1,000	\$ 1,000	
1		Plant Water Wells & Testing	Ś	1,200	\$ 1,200	
			Ť	-,	,	
1	R	Protection & Control Support	5	8,000	\$ 8000	Need more detail as for this line item.
	_	Protection & Control Support Protective Relay Testing	Ť	3,030	. 0,000	
		Recoat Top Deck Above Control Room				
		Repaint Elevator Shaft Exterior				
		Repaint Stairwell Interior				
		Rotor Braided Jumpers	-			
-	R	Safety Equipment - Non PPE	é	5,000	\$ 5,000	
	_	Sandblast and Coat Draft Tube Platform Brackets	1	3,000	3 3,000	
	R	SCADA Network Support	4	10,700	\$ 10,700	
	Λ.	SCADA Network Support	12	10,700	\$ 10,700	
4	R	SCADA Support	\$	200,000	\$ 200,000	What is the driver fo rthe \$80k increase from FY22
		Seismic Study				
		Septic System Maintenance - Dam				
1	R	Service Air Compressor	\$	1,000	\$ 1,000	
		Service Water System Design				
			١.			
		Service Water System Rehabilitation	Ş	45,000		Why? Are there tests showing a emergent need?
		Service Water VFD & Controls Replacement	\$	-	\$ 16,000	
1	R	Sluice Gate Bulkhead Seals - Replacement	5	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				
		Spillway Gate Control - Alternative Analysis	\$	-		Is this expense?
4		Spillway Gate Finite Element Analysis	\$	90,000		Why this year?
1		Spillway Gates	\$	5,000	\$ 5,000	
1		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		Temporary Offices	\$	230,000	\$ 230,000	What are these offices for? Why the large charge in FY23 and assuming that they will be leased?
	R	Tools & Equipment - Operations	\$	22,000	\$ 22,000	Why the large increase?
1						
1	R	Transformer Oil Processing & Testing	\$	1,000	\$ 1,000	

Status		in	RO	R1	BPA Question
1		Turbidity Sensor Communication	\$ 1,000		
4	NR	Turbine Oil Level Indication	\$ 15,000	\$ 15,000	Why the need now?
	R	Turbine Shaft Seals	\$ 30,000		Are these leaking and is one year unit 1 and this year unit 2?
1			\$ 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			
		Operations	\$ 262,600	\$ 302,600	
		1D Sediment Transport Study			
1		Advertising - Dam	\$ 1,200	\$ 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	\$ 8,100	The second secon
1		Communications Fiber - User Fee	\$ 48,500		
1		Computer & Supplies	\$ 6,000	\$ 6,000	Why the increase?
- 1		Dam Safety Consultant	\$ 64,000	\$ 64,000	why de incleaser
1					
1		Electric Utilities - Secondary Power Feed	\$ 11,800	\$ 11,800	
1		Fall Protection Equipment	\$ 5,000	\$ 6,000	
1		FERC Dam Movement Survey	\$ 8,800	\$ 8,800	
1		FR Clothing - CFP	\$ 9,500	\$ 9,500	
1		GARBAGE SERVICE - OPERATIONS	\$ 2,400	\$ 2,400	
1		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	
				l.	
4		Sedimentation Report	\$ 50,000		What is this for?
		Sedimentation Report Annual Updates		\$ -	
1		Sedimentation Survey	\$ 5,800		
4		Shelving & Furniture	-	\$ 40,000	
1	R	Subscriptions, Prints, Copies and Maps	\$ 2,200		
		Recreation	\$ 306,760	\$ 455,760	
1	R	Advertising	\$ 3,600	\$ 3,600	
1	R	Boat Launch Sediment Removal	\$ 5,000	\$ 5,000	
1		Building Maintenance	\$ 3,200		
		Campground Fire Pits Graveling		,	
1		Campground Host	\$ 125,000	\$ 125,000	What is the actual need, seems high. is this for all of the temporary offices?
1		Campground Internet		\$ 3,200	The second secon
4		Campground & Day Use Park Paving		-,	Are these costs based on estimates?
				\$ 5,200	VIET RESE FOR TREATMENT OF THE STATE OF THE
1		Campground Reservation Software	\$ 5,200	\$ 5,200	
4	NR	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	ψ 27,000	\$ 27,000	
		Contract Services (Backhoe, Gravel)	7	\$ -	
1	R	Contract Services (Dock Installation and Removal)	\$ 2,700	\$ 2,700	

Status		in	RO	R1	BPA Question
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	\$ 3,500	
1		GARBAGE SERVICE - RECREATION	\$ 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		Operation Supplies	\$ 2,200		
1		Port Blakely Road Access Agreement	\$ 30,000		
1		Port Blakely Road Maintenance	\$ 13,500	\$ 13,500	
1		Portable Restrooms	\$ 13,000	\$ 15,000	
1	R	Potable Water and Septic System Testing	\$ 2,200	\$ 2,200	
		Recreation Assessment			
1		Recreation Tree Removal	3 10,000	\$ 10,000	
1	R	Repairs & Supplies	\$ 10,000	\$ 10,000	
	R	Septic System Maintenance - Recreation	\$ 6,000	\$ 6,000	
1		Sign Replacements	\$ 2,500	\$ 6,000	
1		Tools & Equipment - Recreation	\$ 2,500	\$ 2,500	
	Α.	Taxes	\$ 65,100		
	R	County Taxes	\$ 700		
1		Ecology Water Tax		\$ 7,500	
1		Privilege Tax	\$ 7,500	\$ 7,500	
1	К	Training & Travel	\$ 109,110		
1	_	American Fisheries Society Meeting	\$ 1,500	\$ 1,500	
1		American Fisheries Society Meeting American Governor Analog Gov Training		\$ 8,500	
1		American Governor Analog Gov Training American Governor School	\$ 8,000		
1		ASDSO Conference		\$ 2,500	
1		AVO Circuit Breaker Maintenance	\$ 2,500	\$ 2,500	
1		AVO Electrical Series	\$ 4,350	\$ 3,000	
1		AVO Substation Maintenance I	\$ 5,000	7	
1		AVO Substation Maintenance I AVO Thermography I		\$ 5,000	
1	К		\$ 5,000	\$ 5,000	
	R	AVO Thermography II CEATI - ANNUAL MEETING	\$ 10,500	\$ 10.500	
1					Why has this increased?
1		CEATI - ASSET Management Meeting CEATI - DSIG MEETING	\$ 1,800 \$ 4,400		
1		CEATI - DSIG MEETING CEATI - HPEIG MEETING		\$ 4,400	
1	R	CEATI - HPEIG MEETING CEATI - HPLIG MEETING	\$ 4,400	\$ 4,400	
1	R	Clean Currents Conference	ć	\$ 6,000	
1	T.	EPTC Fundamentals of Electricity	, -	9 6,000	
		EPTC Fundamentals of Electricity EPTC Generation Series			
	R	EPTC Power Plant Operation	\$ 7,000	ė	
1		EPTC Power Plant Operation EPTC Generation Series		\$ 1,260	
1		EPTC Generation Series EPTC Relay Protection	\$ 3,500	÷ 1,260	
1		EPTC Switching & Grounding		\$ 4,000	
1		EPTC System Operations Personal Grounding	\$ 1,260		
1		EPTC System Operations Personal Grounding EPTC Transmission Series	\$ 3,600		
1			\$ 3,600		
1		HSI Online Training	\$ 3,000		
-		HydroVision			
1		NW Hydro Forum	\$ 1,600		
1		NWHA - ANNUAL MEETING	\$ 800		
1		NWHA - WORKSHOP	\$ 2,000		
1	R	NWPPA - LEADERSHIP TRAINING	\$ 3,400	\$ 3,400	
		OPERATOR TRAINING DEVELOPMENT 2022			

		T T			
Status	Туре	in in	RO	R1	BPA Question
1	R	TPC - ELECTRICAL WORKSHOP	\$ 5,000	s .	
1		TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,400	\$.	
1		TRAINING - CRANE		\$ 6,500	
1		TRAINING - MANLIFT/FORKLIFT	\$ -	\$ 4,000	
1		TRAINING - PESTICIDE APPLICATION	\$ 1,600		
1		TRAINING - SEL Generator Relay		\$ 4,800	
1	R	TRAINING - Western Protective Relay	\$ -	\$ 3,000	
1	R	TRAINING - Rockwell Automation Fair	\$ -	\$ 3,800	
1	R	TRAINING - Factory Talk Training	ş -	\$ 3,500	
1	R	TRAINING - WATER & WASTEWATER	\$ 1,200	\$ 1,200	
1	R	Wildlife Classes	\$ 4,000	\$ 4,000	
		Transmission	\$ 62,000	\$ 62,000	
1	R	ROW Maintenance	\$ 60,000	\$ 60,000	
1	R	Transmission Line Corridor Planting	\$ 2,000	\$ 2,000	
		Wage, Benefits, & Taxes	\$ 137,900	\$ 137,900	
1		OT Taxes	4,550	\$ 4,500	
1		Social Security Medicare	\$ 133,400		
1	R	Soctial Security Medicare - F&W Tech	*	\$ -	
		Special O&M	\$ 5,098,660	\$ 5,164,540	
		General	\$ 1,094,460		
1		A&G Exhibit F	\$ 382,800		
1		ASDSO - Government Membership	\$ 60		
1		Auditing - Accountability	\$ 2,350	\$ 2,350	
1	R	Auditing - Financial	\$ 19,450	\$ 19,450	
		Budget Facilitator			
1		CEATI - MEMBERSHIP	\$ 42,000	\$ 65,300	
1	R	CEATI - PROJECTS	\$ 15,000		
1	R	Compliance Consultant	\$ 65,000	\$ 65,000	
4	R	Document Management Software	\$ 30,000	\$ 50,000	
	NR		ć 5000	ć r.000	
1		Document Scanning FERC Annual Fee	\$ 5,000 \$ 103,000	\$ 5,000 \$ 103,000	
1		Fire District Payment	\$ 103,000		
1	- N	THE DISTILL FAYMENT	\$ 20,000	3 20,000	
4		Infrastructure Grant Proposal (HDR)	\$ 50,000		
1		INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	7,550	\$ 7,500	
1		INSURANCE - EXCESS LIABILITY	\$ 26,000		
1		INSURANCE - LIABILITY	7 11,000	\$ 11,000	
1		INSURANCE - PROPERTY	\$ 210,000		
1		LEGAL SERVICES - BIOP & FERC ISSUES LEGAL SERVICES - GENERAL ISSUES	\$ 25,000 \$ 20,000	\$ 25,000 \$ 20,000	
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 perpuitary costs.
1		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	
-		Operations	\$ 57,300		
		padan	37,300	40,000	
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	\$ 5,600	\$ 6,600	
				,	

Status	Туре	in	RO	R1	BPA Question
		Training and Travel	\$ 26,800	\$ 26,800	
1		ARCTEAST TRAINING	\$ 3,000	\$ 3,000	
1		A STATE OF THE STA	Ç 2,100	\$ 2,400	
1		THE STATE OF THE S	\$ 800	\$ 800	
1			\$ 8,000	\$ 8,000	
		TRAINING - FALL PROTECTION			
1		TRAINING - ROPE ACCESS	\$ 8,000	\$ 8,000	
1		WPUDA - ADMIN ROUNDTABLE	\$ 600	\$ 600	
1	R		\$ 4,000	\$ 4,000	
		Wage, Benefits, & Taxes	\$ 3,920,100	\$ 3,920,100	
1			\$ 510,800	\$ 510,800	
		Emproyee medical modulice 1 km reen	\$ - \$ 175.600	\$ -	
1	R		\$ 175,600	\$ 175,600	
	_	Employer PERS F&W Tech	\$ 527.200	\$ -	
1		ES SUPPORT OF CITICAL	y 527,200	\$ 527,200	
		as support a territoria	\$ - \$ -	\$ -	
1				\$ 754,700	
			\$ - \$ -	\$ -	
				\$ ·	
1			*	\$ 400	
1	R	East Employer	\$ 27,500	\$ 27,500	
	_	L&I Employer F&W Tech	,	\$ -	
1		zong removasmy	,,,,,,,	\$ 4,600	
1		Long Term Disability - F&W Tech	\$ -	\$ -	
1		Misc Pension & Benefits, CDL, Medical Exam, etc	\$ 5,000	\$ 5,000	
		Misc Pension & Benefits, CDL, Medical Exam, etc - F&W Tech	\$ -	\$ -	
1		OT DETICATO	7,400	\$ 7,400	
1		OT Wages	\$ 59,100	\$ 59,100	
1		Tala talina y Leave belieft	\$ 3,400	\$ 3,400	
		Paid Familay Leave Benefit - F&W Tech	,	\$ -	
1		PCORI ACA Requirement	\$ 100	\$ 100	
1		PL Cash Out	\$ 5,000	\$ 5,000	
1		PL to VEBA Cash Out	\$ 16,000	\$ 16,000	
1		Retiree/COBRA Med Ins - Premiums & Claims	\$ 20,000	\$ 20,000	
1		Short Term Disability	\$ 2,000	\$ 2,000	
		Short Term Disability - F&W Tech	\$ -	\$ -	
1		otariab) rej	\$ 39,500	\$ 39,500	
1	R		\$ 1,200	\$ 1,200	
			\$ -	\$ -	
1	R		\$ 16,900	\$ 16,900	
		VEBA Benefit - F&W Tech	\$ -	\$ -	
1	R	Wages	\$ 1,743,700	\$ 1,743,700	
		Wages - F&W Tech	\$ -	\$ -	
		OR&R	\$ 14,894,900	\$ 14,233,900	
		Fish & Wildlife	\$ 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.

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Status	in	RO	R1	BPA Question
	Fleet	\$ 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	s -	Why does this need to be purchased now?
	Vehicle		ľ	
	Vehicle for Replacement			
	Vehicle for Resource Worker			
	Maintenance	\$ 13,524,900	\$ 13,803,900	
	ivialiterialite	3 13,324,300	3 13,803,500	
1	5-Ton Bridge Crane	\$ 865,000	\$ 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			
1	Boat Barrier Replacement - Design	\$ 80,000	\$ 60,000	
			1	
4	Boat Barrier Replacement - Installation	\$ 1,800,000		Updated JS 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		<u> </u>	
	Elevator Roof Access - Design			
	Elevator Roof Access - Installation	\$ 25,000	\$ 25,000	
		\$ 25,000	3 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		
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		1,000,100	
			1	
	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			

$\overline{}$	_			_		
Status	Type	in		RO	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 1	_	867,700	ć 007.700	Updated IS required
4			2	867,700	\$ 867,700	Updated 15 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	Ť	5,7 05,500	5,700,500	re un un une une un
		Spillway Gate Control - Alternative Analysis	_	50,000		Is this expense?
4			3	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		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		
1		Major Office & Network Equipment	\$	25,000	\$ 25,000	
1		Security Improvements	\$	80,000	\$ 80,000	
		Recreation	ś	220,000	\$ 70,000	
4		Campground A Loop Restroom - Design	Ś	60,000		Has the current restroom failed? How close to failure
		Campground A Loop Restroom - Installation	Ť	,uuu	50,000	The state of the s
			_	150,000	s .	Andrew with the state of the st
4		Campground & Day Use Park Paving	۶	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	Ś	99,000		
1		Campground Revenue (Net of Service Fees)	Ť	95000	95000	
1		Interest Income	\vdash	4000	200000	
1		Interest income		4000	200000	

Status	Tumo	in	RO	R1	BPA Question
Status	Type	-	KU .	KI	вых баезион
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Lewis Response	BPA Narrative	
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		353880
In BIOP, needed to build an adult fish release site. Conjunction with US Forest Sarvice, and Taccma. Is having operational issues. Have a split cost with Taccma, 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.	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 deficent? 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 maintenence under the agreement with Tacoma?	
Use existing flood draw down, extend it for a few days to do sedimant 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.	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.	1 1
	Important, but not critical.	1 1
	Mitigation requirement.	
	Remove - Per Lewis, they can't find contractor, will train staff to perform duties.	
	The second and year time democracy, and the second account of the	
	Dam safety and operationally important	
	Not critical.	
	NOT CITIZED.	
		1
		1
	Defer - not imminent failure	
	Defer - not imminent failure	1
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.	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 FV23 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 Rall Extension? If so, is that analysis included in this analysis?	
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.	Move to Exhibit F	
These cost are based on Cowlitz Falls usage	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.	
These cost are based on Cowlitz Falls usage Yes, these are required annual inspections	Annual requirement.	+
100, stress are required annual mapacetons	Armada requirement. Cricital to operations	+
	Important, but not critical.	+
		1
	Critical to operations	+
	New item, uncertain of justification.	+
	1	+
	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. \$350K fund can cover.	
This is for deposal of the debris that is deposited in the box from raking the trash with the trash rake.	Ok - routine work.	
		1 1

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.	Ch. requires and to compact an intercomp
	Ok - recurring need to support maintenance. Defer - no clear need for this year.
	Deter - no clear need for this year.
his 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.
his is to a new sensor. We correctly do not have rever molication in our drainage sump, we do have high rever alarms. his 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 right risk. Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
ms is to get anead or oir containment/skinnming/processing issues.	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
This is a general maintenance item for annual repairs and parts.	expenditures and covering with DY 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.
ins is generally for reprocement, parts, some small construction projects, and some spare parts	Defer - No clear imminent failure of poor operational condition.
	Deler - No clear imminent failure of poor operational condition.
	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 is writing and enforcing contracts.	OK - software, should be rolled up into Exh F A&G
he10-ton jib crane on the main gantry crane does not have a load cell. The jib crane with the 5-ton SMAG dam bucket leave just a 5-ton lifting capacity. This bucket is used to lift logs out of he reservoir, some weighing substantially more then 5-tons. The load cell would add a safety component to the procedure.	
	Critical, safety - no load cell on one of the hoists.
he generator bus boots would cover bus connections not currently covered.	Important as it is addional safety but not critical
his 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.
his is annual maintenance costs for parts and material.	Critical, reliability of generating equipment - Annual parts, do one per year. Based on condition. Materials.
his is for a spare jockey pump for the governor system.	Critical. reliability - critical spare part.
fhis is to add level indication for the governor oil sump.	Defer - no specific urgency, and wait for either a FERC requirement or demonstrated need due to a known issue.
his is for maintenance parts and some contractual services.	Important for climate control - materials and contractual services when needed
	Critical - office safety
his 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.
Vith 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 DY fund under-runs.
tave not selected a system yet, have reviewed them and locking to adopt smaller scale system. Maintenance management software will include scheduling work tasks, prioritizing work asks, 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.
	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.

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. Heed 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 contuation 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.
We do not have on talk reversendors. This is a new sensor.	Certain a specific or general data. Which is the control of the certain of the ce
This is to install plezometers with digital outputs into our SCDA system. This will give us more accurate and consistent plezometer readings.	Important- no clear need, seems more important.
	Critical - piant 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
	Unical-Salety PFC
	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	Citizanto i ferrore informating una operations.
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 occurance where the service water system is not adequest for the plant needs. We will evaluate and upgrade the system.	
	Critical due to eulpment condition and lack of functionality.
	Important - VFD's no longer supported. Critical - major feature maintenance.
	Critical - major reature maintenance.
	Critical - plant safety and fire protection.
	Section point among the map procession.
	Defer - not an urgent need.
This is a FERC Part 12 dam safety requirement to be compited prior to 2024.	Defer - No urgent need.
This is for parts and material for the annual maintence 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 biulding permit from the county. The county has not issued a permit fotr domestic water usage. We will need to perform some tests preor to appoval. The site preparational office set upi 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
Lews response	DPA (VALIDADE)
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	Detail indispectic digency, and wait for either a rescue equilibrium of uniformized need due to a known issue.
we have issues with wealth in the trainer seals. We up experience reading, these may need replacing every 4-0 years. We have a set of shart seals ready to instant on each unit maintenance cycle. Set replaced recently and these costs are for a full set.	
	Critical - critical spare part.
	Defer - no urgent requirement or neet.
	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 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 serivces agreement with the consultant.	Critical for safety
· · · · · ·	Critical for operation of facility
We have new employess 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 form home.	Critical for monitoring plant and operations
The second communicate to the second system of minima.	Critical for operations
	arrange of operations
	Critical for safety
This is to cover the equipment that we ue to perform the rope access and rescue tasks.	Critical for safety
This is to tover the equipment that we use to perform the rupe access and rescue tesses.	Critical for security of facility
This is to satisfy the Ecology requirement for devloping a sediment managemet plan for Cowit Falls. This wil also satisfy a FERC requirement for a sediment managemet plan. WA DEQ requires	
a plan 12 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 I scontracted. 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 maintenace.	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
	to recent or operations

Lewis Response	BPA Narrative
·	
This work will be completed in the fall of 2022 after the campground closes. This is a more accurate cost based on actuals. Actuals thru July are \$6,736, and the monthly cost is \$963.	remove - will be done in '22 Critical - based on actuals, important for campground operations
This is a more accurate cost based on actuals. Actuals thru July are 36,736, and the monthly cost is 3505.	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 supples for grounds maintenace.	Critical operations
постивата пасела в се заруже по дочена типистическа	Critical - operations, safety of visitors
This was for Lewis County Noxios Weeds to assist us in controlling noxius 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. This like it an author seaths extent tanks and variety. Line item 300 is for contractual service to assist us with our seaths and water systems.	Critical - operations and maintenance
This lline item is to pump out our septic system tanks and vaults. Line item 304 is for contractual serives to assist us with our septic and water systems.	Critical - operations and maintenance
	Critical - operations and maintenance
	Critical - operations and maintenance
	Important - not critical
	Important - not critical
	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
	Important - not critical
	Important - not critical
	Important - incurrent
	Important - not critical
	Important no. Critical
	Important - no. Critical
	Important no. Critical
	Important - not critical
	Important in Critical
	Important no critical

Lawis Rasponse 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	
Important - not critical Important - not critical Important - not critical	1 1
Important - not critical 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	
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 flistal year.	
Important - not critical Important - not critical	
Critical - business requirement	
This is for the cost of the new District document management software that will be purchased in 2923. This is a reoccurring cost. Need to reconcile new software and recurring costs and inclusion in Exhibit F A&G	
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?	
Yes, this is the fee for having Cowlitz Falls document scanned.	
Critical - business requirement	
Critical - support safety	
Dam safety and sediment are some calidates. Hire outside company to determine which projects are good marches for existing grants. '23 help in writing grant applications that are due in	
March. Up to SSM per year. Defer - Costs are uncertain, Not sure BPA endorses grant work.	
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 \$55,000 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.	rm?
Filtra indicate filtra and filed Could and another to 1977 the country of the Cou	
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	

Chits served training fair this position. There are narrand dozen that this employer will take to conticularly develop. Chits served training fair this position. There are narrand dozen that this employer will take to conticularly develop. Chits served the served server to complete. Chits served versit to co	
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 Important - not critical Critical - safety Important - not critical	
Important - not critical Critical - safety Critical - safety Critical - safety Important - not critical	
Critical - safety Critical - safety Important - not critical	_
Critical - safety Important - not critical	
Important - not critical	
Important - not critical	
The tailing will lake several year to complete. Fig. 1	
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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	v 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 unkowns 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.
	On * uns a typical equipment on the neutry. However, cost estimate seems right.
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.
	important - supports uniter work and a result using rumplete.
	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
	Deter - need more discussion, can deter 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 etcs for coordinating the collection and remoal of debris.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etcs for coordinating the collection and remoal of debris.
	Defer - no urgent requirement or neet:
	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.
	Deter Thou gent need or sarety DI YISKUI > ISSUES LIKEU.
	Important - support of recreational users.

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Subset	2023	Status	Subtotal	%	
O&M	\$ 4,143,235		\$ 2,616,335		
		Additional Info Needed	\$ -	0%	
		Remove	\$ 1,426,900	34%	
Special O&M	\$ 5,164,540		\$ 5,064,540	98%	
		Additional Info Needed	\$ -	0%	
			\$ 100,000		
OR&R	\$ 14,233,900		\$ 3,136,100	22%	
			\$ 120,000		
		Remove	\$ 10,977,800	77%	
Grand Total	\$ 23,541,675		\$ 10,816,975	46%	
Grand Total			\$ 120,000	1%	
			\$ 12,504,700	53%	
		Remaining	\$ (100,000)		

		Budget Year		2023 (Supported)	% of Requested Amount	
	2023 - 2029 O&M	2022	2023 (Requested)			
	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%	
· · · · · · · · · · · · · · · · · · ·	Grand Total (O&M)	\$ 3,119,480	\$ 4,143,235	\$ 2,616,335	63%	
		Budget Year		2023 (Supported)	% of Requested Amount	
	2022 - 2023 Special O&M	2022	2023 (Requested)			
	General	\$ 1,004,700		\$ 1,069,040	91%	
	Operations	\$ 39,000		\$ 48,600	100%	
	Training & Travel	\$ 23,800		\$ 26,800	100%	
	Wage, Benefits, & Taxes	\$ 3,113,450			100%	
	Grand Total (Special O&M)	\$ 4,180,950	\$ 5,164,540	\$ 5,064,540	98%	
	arana ratar (apasani asim)	Budget Year	3,104,340	2023 (Supported)	% of Requested Amount	
	2022 - 2023 OR&R	2022	2023 (Requested)	2025 (Supported)	70 or requested Amount	
-		2022				
-	Fish & Wildlife		\$ 170,000	\$ -	0%	
	Fleet	\$ 37,000	\$ 85,000	\$ 85,000	100%	
	Maintenance	\$ 2,292,270		\$ 2,936,100	21%	
	Operations	\$ 75,400		\$ 105,000	100%	
		\$ 1,600,000		\$ 10,000	14%	
	Grand Total (OR&R)	\$ 4,004,670		\$ 3,136,100	22%	
	Project Revenue	\$ 99,000	\$ 295,000	\$ 295,000	100%	
	Grand Total (All Items)	\$ 11,206,100	\$ 23,246,675	\$ 10,521,975	45%	
	Routine Program					
+	Routine Flogram	Total Req	Requested		Agreed	
-		Total Keq				
	2023 O&M		Recurring	Non-recurring		Non-recurring
-	Fish & Wildlife	\$ 229,440		\$ 105,000	\$ 124,440 \$	
	Maintenance	\$ 2,692,700	\$ 735,200	\$ 1,957,500	\$ 340,800 \$	1,270,00
	Operations	\$ 302,600		\$ 95,800	\$ 206,800 \$	5 5,80
	Recreation	\$ 455,760		\$ 150,000	\$ 305,760	\$
	Taxes	\$ 65,100		٠ .	\$ 65,100	\$
	Training & Travel	\$ 97,735	\$ 97,735	\$ -	\$ 97,735	\$
	Training & Travel Transmission	\$ 97,735 \$ 62,000	\$ 97,735 \$ 62,000	\$ - \$ -	\$ 62,000	\$
	Training & Travel Transmission Wage, Benefits, & Taxes	\$ 97,735 \$ 62,000 \$ 137,900	\$ 97,735 \$ 62,000 \$ 137,900	\$ - \$ - \$ -	\$ 62,000 \$ 137,900	\$ \$ \$
	Training & Travel Transmission Wage, Benefits, & Taxes	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935	\$ - \$ - \$ - \$ 2,308,300	\$ 62,000 \$ 137,900 \$ 1,340,535 \$	*
	Training & Travel Transmission Wage, Benefits, & Taxes	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235	\$ 97,735 \$ 62,000 \$ 137,900	\$ - \$ - \$ - \$ 2,308,300	\$ 62,000 \$ 137,900	*
	Training & Travel Transmission Wage, Benefits, & Taxes	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935	\$ - \$ - \$ - \$ 2,308,300	\$ 62,000 \$ 137,900 \$ 1,340,535 Agreed	*
	Training & Travel Transmission Wage, Benefits, & Taxes Grand Total (O&M)	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935 Requested		\$ 62,000 \$ 137,900 \$ 1,340,535 Agreed	1,380,80
	Training & Travel Transmission Wage, Benefits, & Taxes Grand Total (O&M) 2023 Special O&M	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935 Requested Recurring \$ 1,099,040	Non-recurring	\$ 62,000 \$ 137,900 \$ 1,340,535 Agreed	1,380,80
	Training & Travel Transmission Wage, Benefits, & Taxes Grand Total (O&M) 2023 Special O&M General	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235 \$ 1,169,040	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935 Requested Recurring \$ 1,099,040 \$ 48,600	Non-recurring	\$ 62,000 \$ 137,900 \$ 1,340,535 Agreed Recurring \$ 1,049,040	1,380,80
	Training & Travel Transmission Wage, Senefits, & Taxes Grand Total (OSM) 2023 Special OSM General Operations	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235 \$ 1,169,040 \$ 48,600	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935 Requested Pecurring \$ 1,099,040 \$ 48,600 \$ 26,800	Non-recurring \$ 70,000 \$ - \$ - \$	\$ 62,000 \$ 137,900 \$ 1,340,535 Agreed Recurring \$ 1,049,040 \$ 48,600 \$ 26,800	1,380,80
	Training & Travel Transmission Wage, Benefits, & Taxes Grand Total (O&M) 2023 Special O&M General Operations Training & Travel	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235 \$ 1,169,040 \$ 48,600 \$ 26,800	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935 Requested Recurring \$ 1,099,040 \$ 48,600 \$ 26,800 \$ 3,920,100	Non-recurring \$ 70,000 \$ - \$ - \$	\$ 62,000 \$ 137,900 \$ 1,340,535 Agreed Recurring \$ 1,049,040 \$ 48,600 \$ 2,800 \$ 3,920,100	Non-recurring \$ 50,000 \$ \$
	Training & Travel Transmission Wage, Benefits, & Taxes Grand Total (O&M) 2023 Special O&M General Operations Training & Travel "Wage, Benefits, & Taxes	\$ 97,735 \$ 62,000 \$ 137,900 \$ 4,043,235 \$ 1,169,040 \$ 48,600 \$ 26,800 \$ 3,920,100	\$ 97,735 \$ 62,000 \$ 137,900 \$ 1,734,935 Requested Recurring \$ 1,099,040 \$ 48,600 \$ 26,800 \$ 3,920,100	Non-recurring \$ 70,000 \$ - \$ - \$ - \$	\$ 62,000 \$ 137,900 \$ 1,340,535 Agreed Recurring \$ 1,049,040 \$ 48,600 \$ 2,800 \$ 3,920,100	Non-recurring \$ 50,000 \$ \$

		FY22	FY	FY23 Target		FY23 Proposed		Difference	
		\$ 3,119,480.00			\$	2,516,110.00		(606,440.00)	
		\$ 4,180,950.00			\$	5,098,660.00		(1,117,710.00)	
		\$ 4,004,670.00				15,093,900.00		(8,689,230.00)	
		4,004,070.00	-	3,404,070.00	,	20,000,000.00	_	(3,003,230.00)	
		\$ 11,305,100.00	s	12,295,290.00	\$	22,708,670,00	Ś	(10,413,380.00)	
		2 22,000,20010	Ť	22,250,250,00		22,7 00,07 0.00	Ť	(20) (20)	
Percentage Agreed									
Recurring 100%	Non-recurring 100%								
46%	65%	** Budget for SCADA needs to be reduced							
100%	6%	Budget for SCADA needs to be reduced							
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%								
			Е						

2023 - 2029 CFP Budget Estimates (2022 for reference)	В	udget Year	Expended
(Excludes Wages & Benefits)		2022	
Fish & Wildlife	\$	210,380	\$ 91,491
O&M	\$	210,380	\$ 91,491
Creel Study	\$	18,000	15029
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
American Fisheries Society (AFS) Membership	\$	-	105
Wildlife Society Membership	\$	80	0
OR&R	\$	-	
Fleet	\$	37,000	\$ 18,095
OR&R	\$	37,000	\$ 18,095
Mower	\$	22,000	18095
Vehicle	Ś	15,000	0
General	Ś	1,004,700	\$ 1,082,745
Special O&M	Ś	1,004,700	\$ 661,985
A&G Exhibit F	\$	371,600	247736
ASDSO - Government Membership	s	-	55
Auditing - Accountability	\$	2,300	0
Auditing - Financial	Ś	19,000	18524
CEATI - MEMBERSHIP	\$	65,300	0
CEATI - PROJECTS	\$	30,000	0
Compliance Consultant	Ś	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	s	20,000	13328
Long Range Plan Analysis	\$	35,000	405
NWHA Membership	\$	800	403
OFFICE SUPPLIES AND EXPENSES	\$	9,300	2916
Maintenance	\$	4,060,220	2310
O&M	\$	1,767,950	\$ 392,649
ARC FLASH STUDY	\$	35,000	3 392,049
Automatic Transfer Switch Grouting	\$	1,000	0
Buffer Zone Management	Ś	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 Recoders	\$	42,000	0
Dam Instrumentation	\$	2,200	0
Debris Removal - Trash Rake Debris Box	s	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
	\$		6813
Equipment Rental	5	17,000	2684
Equipment Watch (Computer Software)			
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	
Protection and Control Support			5893
Recost 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 Network Support	\$	120,000	18037
Seismic Study	\$	150,000	85165
Service Air Compressor	\$	1,000	0
Service Water System Design	\$	2,500	0
Service Water System Design SMAG Power Connection & Cable	\$	4,500	2328
SMAG Power Connection & Cable Smoke Detectors & Fire Water Systems	\$	2,500	2328 310
, and the second	\$		
Spillway Gates		5,000	0
Tools & Equipment - Operations	\$	15,000	18768

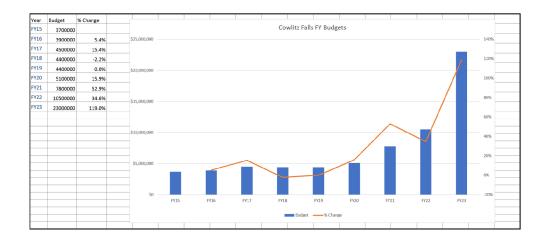
Trunnion Friction Testing	\$	65,000	5951
Turbidity Sensor Communication	\$	1,000	0
Turbine Shaft Seals	\$	30,000	26396
Unit Control Board Meter Replacement	\$	42,000	0
Unit Turbine Gage Board Inputs into SCADA - Design	\$	4,000	0
Warehouse Repairs	\$	64,000	26
OR&R	\$	2,292,270	\$ 929,480
5-Ton Bridge 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	s	10,000	0
Exciter Brush Dust Vacuum System	Ś	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	Ś	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	4/83/
Spillway 4 Rail Extension - Design	\$	330,025	219368
Spillway Gate Hoist Covers - Construction	\$	95,000	219300
Spillway Gate Hoist Covers - Construction Spillway Gate Hoist Covers - Design	\$	25,000	0
	\$		228856
Spillway Handrail & Guardrail Trash Rake - Alternative Analysis	\$	226,585	76500
•		86,850	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Trash Removal System - Alternative Analysis	\$	76,630	35508
Operations		405,440	
0&M	\$	291,040	\$ 117,566
1D Sediment Transport Study	\$	100,000	8454
Advertising			874
CFP Cell Phones	\$	1,500	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 Remote 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
OR&R	\$	75,400	\$	15,899
Major Office & Network Equipment	\$	25,400		0
Security Improvements	\$	50,000		15899
Special O&M	\$	39,000	\$	30,729
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
Recreation	\$	2,011,800	L	
O&M	\$	411,800	\$	127,814
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 - GROUND	\$	3,200		4947
MAINTENANCE - SEWER & WATER SYSTEM	\$	6,400		12871
Noxigus Weed Control	\$	-		
Operation Supplies	\$	2,200		1073
Port Blakely Road Access Agreement	\$	30,000		0
Port Blakely Road Maintenance	\$	13,500		0
Portable Restrooms	Ś	2,300		5005
Potable Water and Septic System Testing	\$	2,000		1762
Recreation Assessment	\$	90,000		0
Recreation Tree Removal		50,000		10710
Repairs & Supplies	\$	10,000		8307
Sign Replacements	\$	2,200		480
Tools & Equipment - Recreation	\$	3,000		2174
OR&R	\$	1,600,000	Ś	652,689
Copper Canyon Take Out Site Improvements	\$	1,600,000	,	652689
Taxes	\$	65,100		0.32069
O&M	\$	65,100	Ś	35,316
County Taxes	\$	700	,	732
Ecology Water Tax	\$	7,500		732
Ecology water rax	P	7,500	_	U

Business and Sales Tax			584
Privilege Tax	\$	56,900	34000
Training & Travel	\$	215,650	
O&M	\$	191,850	\$ 75,037
American Fisheries Society Meeting	\$	1,500	(
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	(
CEATI - HPLIG MEETING	\$	2,800	(
EPTC Fundamentals of Electricity	\$	7,200	1430
EPTC Generation Series	\$	3,500	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	(
OPERATOR TRAINING DEVELOPMENT 2022	\$	130,000	28897
TPC - ELECTRICAL WORKSHOP	\$	4,350	5709
TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$	2,390	3585
TRAINING - PESTICIDE APPLICATION	\$	1,500	472
TRAINING - WATER & WASTEWATER	\$	1,200	(
Wildlife Classes	\$	4,000	1175
Special O&M	\$	23,800	\$ 190
NWPPA - ADMIN ASST TRAINING	\$	2,400	(
TRAINING - COMPUTER	\$	800	190
TRAINING - FALL PROTECTION	\$	8,000	(
TRAINING - ROPE ACCESS	\$	8,000	C
WPUDA - ADMIN ROUNDTABLE	\$	600	(
WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$	4,000	C
Transmission	\$	63,000	
0&M	\$	63,000	\$ 3,610
ROW Maintenance	\$	60,000	2951
Transmission Line Corridor Planting	\$	3,000	659
Wages, Benefits and Taxes	\$	3,226,810	
Grand Total	Ś	11,300,100	

0&M	Budget	Expended	% Spent	Completion Rate	67%
Fish & Wildlife	\$ 210,380	\$ 91,491	43%	65%	Uni
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%	
Grand Total (O&M)	\$ 3,001,120	\$ 843,483	28%	42%	
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%	**Estimation due to lack of data
Grand Total (Special O&M)	\$ 4,294,310	\$ 2,792,904	65%	98%	
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%	
Grand Total (OR&R)	\$ 4,004,670	\$ 1,616,163	40%	61%	
Grand Total (All items)	\$ 11,300,100	\$ 5,252,550	46%	70%	

		FY22	Adj							FY22		Adj		Target		
0&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)				FY2	22	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	\$	5,098,660.00	\$	(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	0&M	\$ 3,119,480.00	\$ 1,909,670.00	-38.78%												
	Special O&M	\$ 4,180,950.00	\$ 3,980,950.00	-4.78%												
	CR&R	\$ 4,004,670.00	\$ 6,404,670.00	59.93%												
	Grand Total	\$ 11,305,100.00	\$ 12,295,290.00	8.76%												



tatus	FY23 Budget Items		BPA Question
totas	Grand Total	\$ 22,731,970	
	O&M	\$ 2,516,110	
	Fish & Wildlife	\$ 238,740	
	American Fisheries Society (AFS) Membership	\$ 230,740	
1	American risinenes society (Ars) internuelship	3 110	
4			Since the adult fish program is managed by Tacoma, please explain Tacome's role along with Lewis. For example, are you all cost sharing this effort? Please provide any agreements or with Tacoma pertaining to this issue.
	CISPUS ADULT FISH SITE RELEASE ANALYSIS	\$ 75,000	
	Creel Study		
	ESA BiOp Studies		
	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	
	Habitat Management; Fertilizer, Spraying, Plants	\$ 9,000	
2	Kid's Trout Derby	\$ 5,600	
1	Mitigation Trout Program	\$ 47,000	
	Noxious Weed Control Contractor	\$ 9,300	
	TPU Rearing Facilities Studies		
	USGS Gauging Station Fees	\$ 42,640	
	Wildlife Society Membership	\$ 90	
	Maintenance	\$ 1,333,900	
	ARC FLASH STUDY	3 1,333,300	
	Automatic Transfer Switch Grouting		
	AVR Testing		
	Bridge Sections Inspection & Analysis		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		
	CAD Software Licensing Computer Software		Are these costs shared with Lewis Are these costs shared with Lewis
_	Construction Management Software		Are these costs shared with Lewis
	Contract Crane Inspections	\$ 14,000	
	Contract Diesel Generator Maintenance	\$ 12,000	
	Contract Drafting Services	\$ 50,000	
	Contract Maintenance Elevator	\$ 18,500	
	Control Room / Office Area Repairs - Construction		
	Control Room / Office Area Repairs - Design		
	Control Room Paperless Recoders		
	Dam Instrumentation	\$ 3,000	Is this repair of instrumentation?
4	Debris Barrier - Maintenance	\$ -	
_			
	Debris Removal - Trash Rake Debris Box	\$ 6,200	Is this repair of the debris box?
1	Debris Removal - Trash Rake Debris Box Diesel Generator Connection to Spillway Gates 2 & 3	\$ 6,200	Is this repair of the debris box?

Status FY23 Budget Items		BPA Question
	\$ 16,500	Do you have annual diving needs or is this a retainer?
Drainage Pump		
Drainage Pump Handrail		
		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	
oraniage system	0,000	
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	, 2,500	
Forebay and Tailrace Level Sensor Replacement		
	\$ 1,500	
ruei - Diesei Generator	\$ 1,500	
1 Gantry Crane Jib Hoist Load Cell	\$ 15,000	
	\$ 8,000	
	\$ 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		
A last and the Dark	ć 40.000	What I
Instrumentation Parts	\$ 10,000	Why the increase?
Investigate Draft Tube Liner Issues MAINTENANCE - LOG BRONC	\$ 1,000	
MAINTENANCE - LOG BRONC	\$ 1,000	
4 Maintenance - Unanticipated Dam Repairs	\$ 10,000	Why wasn't this inleuded 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?
Thomselance management system	, 13,000	and any appear contribution of the administration of the administr
4 Maintenance Supplies for Electric Plant	\$ 5,400	
4 Mechanical & Piping	\$ 10,000	
wiechanical & 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 1	3 24,000	is this sensor new or replacing a proximation?
4 Oil Storage Tank Level Sensors	\$ 6,000	
1 Painting & Special Coatings	\$ 3,200	
Piezometer Pressure Transmitters	\$ 18,000	
1 Plant Lighting	\$ 1,000	
1 Plant Water Wells & Testing	\$ 1,200	
1 Protection & Control Support	\$ 8,000	Need more detail as for this line item.
Protective Relay Testing	\$ 8,000	Need more detail as for this line item.
Recoat Top Deck Above Control Room		
Repaint Elevator Shaft Exterior		
Repaint 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	200,000	Wilders the differ to true gook indeeds from 1122
Septic System Maintenance - Dam		
1 Service Air Compressor	\$ 1,000	
Service Water System Design		
Service Water System Rehabilitation Sluice Gate Bulkhead Seals - Replacement	\$ 45,000 \$ 2,500	Why? Are there tests showing a emergent need?
SMAG Power Connection & Cable	\$ 2,300	
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	\$ -	
Z Temporary Offices		What are these offices for? Why the large charge in FY23 and assuming that they will be leased?
Tools & Equipment - Operations		Why the large increase?
Transformer Oil Processing & Testing	\$ 1,000	
Trunnion Friction Testing		
Turbidity Sensor Communication Turbine Oil Level Indication	\$ 1,000 \$ 15,000	White word was
Turbine Oil Level Indication	5 15,000	Why the need now?
Turbine Shaft Seals	\$ 30,000	Are these leaking and is one year unit 1 and this year unit 2?
Unit 1 Major Inspection& Cleaning		
Unit 1 Turbine Hub & Discharge Ring Recoating		
Unit 2 Major Inspection & Cleaning		
Unit 2 Turbine Hub & Discharge Ring Recoating		
Unit Control Board Meter Replacement		

FY23 Budget Items Unit Turbine Gage Board Inputs into SCADA - Design		BPA Question
	\$ 4,000	
Upper Guide Bearing Oil Sample Ports Warehouse Repairs	\$ 4,000	
Operations	\$ 262,600	
1D Sediment Transport Study	\$ 262,600	
· · · · · · · · · · · · · · · · · · ·	\$ 1,200	
Advertising - Dam CFP Cell Phones	, .,	Why the increase?
CFP Cell Phones CFP Telephones		Why the increase? Why the increase?
CFP Vehicle Verizon Connect		Why the increase?
COMMUNICATIONS - RADIOS, ETC	\$ 8,100	willy the intrease?
Communications Fiber - User Fee	\$ 48,500	
Computer & Supplies		Why the increase?
Dam Safety Consultant	\$ 64,000	Thy the include:
Electric Utilities - Secondary Power Feed	\$ 11,800	
Fall Protection Equipment	\$ 6,000	
FERC Dam Movement Survey	\$ 8,800	
FR Clothing - CFP	\$ 9,500	
GARBAGE SERVICE - OPERATIONS	\$ 2,400	
Operator Remote SCADA Communications	\$ 9,000	
Operator Supplies - Dam	\$ 1,500	
Portable Restrooms - Dam	. 2,000	
Respirator Fit Testing	\$ 1,500	
Rope Access Gear	\$ 4,500	
Security/Plant Locks	\$ 300	
Sedimentation Report Annual Updates Sedimentation Survey Shelving & Furniture	\$ 5,800	
Subscriptions, Prints, Copies and Maps	\$ 2,200	
Recreation	\$ 306,760	
Advertising	\$ 3,600	
Boat Launch Sediment Removal	\$ 5,000	
Building Maintenance	\$ 3,200	
Campground Fire Pits Graveling	3,200	
Shelving & Furniture	\$ 125,000	What is the actual need, seems high. Is this for all of the temporary offices?
Campground Internet	\$ 3,200	
Campground Reservation Software	\$ 5,200	
Campground Restroom Improvements	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Was this work completed in '22?
Campground Telephone	\$ 1,500	
Campground Wood Chips	\$ 500	
Contract Septic and Water Services	\$ 27,000	
Contract Services (Backhoe, Gravel)	\$ -	
Contract Services (Dock Installation and Removal)	\$ 2,700	
D-Loop Electrical Design & Feed Replacements		Was this work completed in '22?
Electric Utilities		Why the increase?
EQUIPMENT REPAIRS - PARK	\$ 3,500	
GARBAGE SERVICE - RECREATION	\$ 6,600	
Group B Annual Operating Fee - Falls Road Well	\$ 60	
MAINTENANCE - GROUND	\$ 3,400	
MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400	
MAINTENANCE - SEVER & WATER STSTEM		
	ς ε ο ο ο	What is this for with the new plan to train existing amplayaes? Is this for material?
Noxious Weed Control		What is this for with the new pian to train existing employees? Is this for material?
	\$ 6,000 \$ 2,200 \$ 30,000	What is this for with the new plan to train existing employees? Is this for material?

us	FY23 Budget Items		BPA Question
Portable Restroc		\$ 13,000	
	nd Septic System Testing	\$ 2,200	
Recreation Asse			
Recreation Tree		\$ 10,000	
Repairs & Suppli	ies	\$ 10,000	
Sontic System M	laintenance - Recreation	\$ 6,000	
Sign Replacemen		\$ 2,500	
Tools & Equipme		\$ 3,000	
Taxes	ent - necreation	\$ 65,100	
1 County Taxes		\$ 700	
Ecology Water T		\$ 7,500	
Privilege Tax	d.	\$ 56,900	
Training & Trave	al .	\$ 109,110	
	ies Society Meeting	\$ 1,500	
	nor Analog Gov Training	\$ 8,500	
2 American Gover		\$ 8,000	
ASDSO Conferen		\$ 2,500	
	sker Maintenance	\$ 2,500	
AVO Circuit Brea		\$ 4,350	
2 AVO Substation		\$ 4,330	
2 AVO Substation 2 AVO Thermogra		\$ 5,000	
AVO Thermogra		\$ 5,000	
CEATI - ANNUAL		\$ 10,500	Why has this increased?
			wny nas this increased?
	anagement Meeting	\$ 1,800 \$ 4,400	
CEATI - HPEIG M		\$ 4,400	
EPTC Fundamen			
EPTC Generation EPTC Power Plan		\$ 7,000	
EPTC Power Plan EPTC Relay Prote			
_			
Er re switting			
	erations Personal Grounding	\$ 1,260	
EPTC Transmissi		\$ 3,600	
HSI Online Train	ing	\$ 800	
,		\$ 3,000	
NW Hydro Forur		\$ 1,600	
NWHA - ANNUA		\$ 800	
NWHA - WORKS		\$ 2,000	
NWPPA - LEADE		\$ 3,400	
OPERATOR TRAI	NING DEVELOPMENT 2022		
TPC - ELECTRICA	I WORKSHOP	\$ 6,000	
	CAL FUNDAMENTALS AND TROUBLESHOOTING	\$ 2,400	
TRAINING - CRA		\$ 4,000	
TRAINING - CAN		3 4,000	
	TICIDE APPLICATION	\$ 1,600	
_	TER & WASTEWATER	\$ 1,200	
Wildlife Classes		\$ 4,000	
Transmission		\$ 62,000	
ROW Maintenan	nce	\$ 60,000	
	e Corridor Planting	\$ 2,000	
Wage, Benefits,		\$ 137,900	
OT Taxes	w. runco	\$ 4,500	
Social Security N	Andicara	\$ 133,400	
	neurone	\$ 155,400	

Status	FY23 Budget Items		BPA Question
	Special O&M	\$ 5,121,960	
	General	\$ 1,117,760	
2	A&G Exhibit F	\$ 382,800	
2	ASDSO - Government Membership	\$ 60	
1	Auditing - Accountability	\$ 2,350	
1	Auditing - Financial	\$ 19,450	
	Budget Facilitator		
	CEATI - MEMBERSHIP	\$ 65,300	
2	CEATI - MEMBERSHIP CEATI - PROJECTS	\$ 15,000	
1	Compliance Consultant	\$ 15,000	
4			
4	Document Management Software	\$ 30,000	
2	Document Scanning	\$ 5,000	
1	FERC Annual Fee	\$ 103,000	
1	Fire District Payment	\$ 20,000	
		, 21,211	
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	
		\$ 35,000	
	Long Range Plan Analysis		Please provide current LRP for BPA review and justification for necessity of perpuitary costs.
1	NWHA Membership	\$ 1,000	
1	OFFICE SUPPLIES AND EXPENSES	\$ 9,300	
2	Records Clean Up	\$ 15,000	
	Operations	\$ 57,300	
1	CF Vehicle and Equipment Fuel	\$ 31,200	Why has cost doubled from FY22?
1	CF Vehicle Maintenance	\$ 15,000	
1	CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200	
1	CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300	
1	CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,600	
	Training and Travel	\$ 26,800	
1	ARC FLASH TRAINING	\$ 3,000	
2	NWPPA - ADMIN ASST TRAINING	\$ 2,400	
2	TRAINING - COMPUTER	\$ 800	
1	Training - Confined Space	\$ 8,000	
	TRAINING - FALL PROTECTION		
1	TRAINING - ROPE ACCESS	\$ 8,000	
2	WPUDA - ADMIN ROUNDTABLE	\$ 600	
	WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$ 4,000	
	Wage, Benefits, & Taxes	\$ 3,920,100	
1	Employee Medical Insurance	\$ 510,800	
	Employee Medical Insurance - F&W Tech	\$ -	
1	Employer PERS	\$ 175,600	
	Employer PERS F&W Tech	\$ 173,600	
1	ES Support Overhead		
	ES Support Overhead - IS/IT		
	ES Support Overhead - Purchasing ES Support Wages	\$ -	

us	FY23 Budget Items		BPA Question
ES	Suppport Wages - IS/IT	\$ -	
	Support Wages - Purchasing	\$ -	
	u Shot Clinics	\$ 400	
	kl Emplayer	\$ 27,500	
	I Employer F&W Tech	\$ -	
	ing Term Disability	\$ 4,600	
	ing Term Disability - F&W Tech	\$ -	
	isc Pension & Benefits, CDL, Medical Exam, etc	\$ 5,000	
	isc Pension & Benefits, CDL, Medical Exam, etc - F&W Tech	s -	
	F Benefits	\$ 7,400	
	T Wages	\$ 59,100	
	id Familay Leave Benefit	\$ 3,400	
	id Familay Leave Benefit - F&W Tech	\$ -	
	CORI ACA Requirement	\$ 100	
	Cash Out	\$ 5,000	
	to VEBA Cash Out	\$ 16,000	
	etiree/COBRA Med Ins - Premiums & Claims	\$ 20,000	
	ort Term Disability	\$ 2,000	
	ort Term Disability - F&W Tech	\$ -	
	andby Pay	\$ 39,500	
	erm Insurance Benefit	\$ 1,200	
	erm Insurance Benefit - F&W Tech	s -	
	BA Benefit	\$ 16,900	
	BA Benefit - F&W Tech	\$ -	
W:	ages	\$ 1,743,700	
	ages - F&W Tech	\$ -	
	OR&R	\$ 15,093,900	
Wa	OR&R Fish & Wildlife		
Wa	OR&R Fish & Wildlife HAP] Comprehensive Habitat Action Plan - Wildlife Evaluation	\$ 15,093,900	
(CF	OR&R Fish & Wildlife HAP Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction	\$ 15,093,900	
(CF	OR&R Fish & Wildlife HAP] Comprehensive Habitat Action Plan - Wildlife Evaluation	\$ 15,093,900	
(CF	OR&R Fish & Wildlife HAP Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction	\$ 15,093,900	
(CF Alt	OR&R Fish & Wildlife HAP Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction	\$ 15,093,900 \$ 955,000	Need additional information for this project and associated costs and justification in a justification sheet.
(CF Alt Alt Kick	OR&R Fish & Wildlife HAP Comprehensive Habita At College HAP Comprehensive Habita At College Hap Construction ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design	\$ 15,093,900 \$ 955,000	Need additional information for this project and associated costs and justification in a justification sheet.
(CF Alt Alt Kid	ORRE Fish & Wildlife HAP Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement	\$ 15,093,900 \$ 955,000	Need additional information for this project and associated costs and justification in a justification sheet.
(CF Alt Alt Kic Ma	OR&R Fish & Wildlife HAP Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction	\$ 15,093,900 \$ 955,000 \$ 120,000	Need additional information for this project and associated costs and justification in a justification sheet.
(CF Alt Alt Kic Ma	Fish & Wildlife HAP! Comprehensive Habita At cloth Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design ildlife Meadows Unit #5	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000	Need additional information for this project and associated costs and justification in a justification sheet. Under legal review. BPA cannot support finding at this time.
(CF Alt Alt Kic Ma	Fish & Wildlife HAP! Comprehensive Habita Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design ildlife Meadows Unit #5	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000	
(CF Alt Alt Kic Ma Wi Wi Fie	Fish & Wildlife HAP! Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design lidlife Meadows Unit #5 ildlife Meadows Unit #5	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000	
(CF Alt Alt Kic Ma Wi Wi Fie	OR&R Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design Illlife Meadows Unit #5 Illlife Mitigation Land	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000	
Was Control of the Co	OR&R Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction am-Made Island Canal - Construction illlife Meadows Unit #5 illdiffe Mitigation Land eet OWER	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Under legal review. BPA cannot support finding at this time.
Was a control of the	Fish & Wildlife HAP) Comprehensive Habita At cloth Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design ildlife Meadows Unit #5 ildlife Mitigation Land eet ower	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	
Was	OR&R Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction am-Made Island Canal - Construction illlife Meadows Unit #5 illdiffe Mitigation Land eet OWER	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Under legal review. BPA cannot support finding at this time.
Was	Fish & Wildlife HAP) Comprehensive Habita At cloth Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design ildlife Meadows Unit #5 ildlife Mitigation Land eet ower	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Under legal review. BPA cannot support finding at this time.
Was and a second	Fish & Wildlife HAP) Comprehensive Habita At cloth Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design ildlife Meadows Unit #5 ildlife Mitigation Land eet ower	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Under legal review. BPA cannot support finding at this time.
Was Was Market M	Fish & Wildlife HAP! Comprehensive Habita Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Construction ildlife Meadows Unit #5 ildlife Metigation Land eet ower	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Urder legal review. BPA cannot support finding at this time. Why does this need to be purchased now?
Was	Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design lidlife Meadows Unit #5 lidlife Mitigation Land eet ower Fork Lift de By Side	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Urder legal review. BPA cannot support finding at this time. Why does this need to be purchased now?
Was with the state of the state	Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction am-Made Island Canal - Construction am-Made Island Canal - Design ildlife Metigation Land eet Ower Fork Lift de By Side	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Urder legal review. BPA cannot support finding at this time. Why does this need to be purchased now?
Was a second of the second of	Fish & Wildlife HAP) Comprehensive Habitat Actor Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design ildlife Meadows Unit #5 ildlife Meadows Unit #5 refork Lift de By Side uck Box Crane thicle thicle for Replacement	\$ 15,093,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000	Urder legal review. BPA cannot support finding at this time. Why does this need to be purchased now?
Was a second of the second of	Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction un-Made Island Canal - Design lidlife Meadows Unit #5 lidlife Mitgation Land eet ower Fork Lift de By Side uck Box Crane thicle for Replacement chicle for Resource Worker	\$ 15,003,000 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000 \$ \$ 85,000	Urder legal review. BPA cannot support finding at this time. Why does this need to be purchased now?
William William Market	Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design lidlife Meadows Unit #5 lidlife Medadows Unit #5 wore ower Fork Lift de By Side uck Box Crane shicle of Replacement shicle for Resource Worker aintenance	\$ 15,003,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000 \$ 5,000 \$ 13,723,900	Under legal review. BPA cannot support finding at this time. Why does this need to be purchased now? Why does this need to be purchased now?
Wisher Control of the	Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction am-Made Island Canal - Design ildlife Medadows Unit #5 ildlife Mitigation Land eet ower Fork Lift de By Side uck Box Crane chicle for Replacement chicle for Resource Worker aintenance Ton Bridge Crane	\$ 15,003,900 \$ 955,000 \$ 120,000 \$ 5,000 \$ 785,000 \$ 785,000 \$ 85,000 \$ 85,000	Under legal review. BPA cannot support finding at this time. Why does this need to be purchased now? Why does this need to be purchased now?
William Willia	Fish & Wildlife HAP/ Comprehensive Habitat Action Plan - Wildlife Evaluation ternative Fishing Derby Site Development - Construction ternative Fishing Derby Site Development - Design ona Creek Enhancement an-Made Island Canal - Construction an-Made Island Canal - Design lidlife Meadows Unit #5 lidlife Medadows Unit #5 wore ower Fork Lift de By Side uck Box Crane shicle of Replacement shicle for Resource Worker aintenance	\$ 15,033,900 \$ 955,000 \$ 120,000 \$ 50,000 \$ 785,000 \$ 90,000 \$ 5,000 \$ 5,000 \$ 85,000	Under legal review. BPA cannot support finding at this time. Why does this need to be purchased now? Why does this need to be purchased now?

Status FY23 Budget Items		8PA Question
Boat Barrier Replacement - Design	\$ 80,000	
4 Boat Barrier Replacement - Installation	¢ 1 900 000	Updated IS required.
· · · · · · · · · · · · · · · · · · ·		
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		
Downstream Notification Siren - Design	\$ 10,000	
Downstream Notification Siren - Installation	\$ -	
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		
Gantry Crane Controls and Drive Upgrade - Design		
Gantry Crane Controls and Drive Upgrade - Upgrades		
Generator Cooling Water Refurbishment		
Generator Hatch Cover Seals & Drains	\$ 215,000	
4 Generator Protective Relay Replacement - Design		How old is the equipment.
Generator Protective Relay Replacement - Installation	3 100,000	The view of the Equipment
1 HVAC AH-1 Replacement Office Area	\$ 50,000	
Intake Gate Slot Cover - Alternative Analysis	3 30,000	
Lathe		
Mobile Diesel Generator & Log Bronc Cover		
New Facility - Construction		
New Facility - Design 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		
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		
Sluice Gate Replacement - Design 2	\$ 867,700	Updated JS required
Sonar & Turbidity Sensors		
South Downstream Abutment Wall Handrail		
South Weil 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	\$ 3.768.200	Is this an addition to capability?
Spillway 4 Rail Extension - Construction Spillway 4 Rail Extension - Design	\$ 3,700,300	The state of the s
Delimary 4 von 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		
Transmission Line Access - Bridge Replacement	\$ 275,000	Is this expense?
Trash Rake - Alternative Analysis		·
Trash Rake Construction		
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	to this could disk them to the decision?
4 Unit Instrumentation - Alternative Analysis		Is this part of the trash rake design? The title sounds like a study or expense.
	\$ 45,000	The title sounds like a study or expense.
Unit Instrumentation - Design		
Unit Instrumentation - Installation	\$ 35,000	
Offic Turbine Gage Board inputs into SCADA - Installation		
Operations	\$ 105,000	
1 Major Office & Network Equipment	\$ 25,000	
1 Security Improvements	\$ 80,000	
Recreation	\$ 220,000	
4 Campground & Day Use Park Paving		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	

Status	FY23 Budget Items	BPA Question
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Lewis Response	BPA Narretive
in BIOF, needed to build an adult fish release site. Conjunction with US Forest Service, and Taccms. Is having operational issues. Have a split cost with Taccma, 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.	Defer - Not enough information to have certainty of costs and responsibility. Defer until figure out Tacoma's cost share and details figured cut. 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 deficent? 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 maintenence undor the agreement with Tacoma?
Use existing flood draw down, extend it for a few days to do secliment 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.	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.
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.	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?
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.	Move to Exhibit F
These cost are based on Cowlitz Falls usage	Move to Exhibit F
These cost are based on Cowlitz Falls usage	Defer - Not cortain 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.
Yes, these are required annual inspections	Annual requirement.
tug utasa ut a sequinea unitau inapiesavira	Cricital to operations
	Important, but not critical.
	Critical to operations
	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.
This is for deposal of the debris that is deposited in the box from raking the trash with the trash rake.	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.
	on Tecuming 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 DY fund under-runs.
This is a general maintenance item for annual repairs and parts.	
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 DY 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 is writing and enforcing contracts.	OK - software, should be rolled up into Exh F A&G
The LO-ton jib crane on the main gantry crane does not have a load cell. The jib crane with the 5-ton SMAG dam bucket leave just a 5-ton lifting capacity. This bucket is used to lift logs out of the reservoir, some weighing substantially more then 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.
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 jackey pump for the governor system.	Critical, reliability - critical spare part.
This is to add level indication for the governor oil sump.	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
	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.
This is mostly for replacement of various instrumentation in the plant. There is some new instrumentation in the plant.	
	Critical for debris removal.
With the new budgeting format of individual line itams, 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 DY 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.
	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.
	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.
	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.

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 recommmendation was to perform rock scaling every 3-5 years.	Defer - Urgency not apparent as it's a contuation 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 SCDA system. This will give us more acurate and consistent piezometer readings.	Important - no clear need, seems more important.
	Critical - piant 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 numbe 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 occurance where the service water system is not adequest for the plant needs. We will evaluate and upgrade the system.	Critical due to eulpment condition and lack of functionality.
	Critical - major feature maintenance.
	Silved ingo teach institution
	Critical - plant safety and fire protection.
This is a FERC Part 12 dam safety requirement to be compited prior to 2024.	Defer - No urgent need.
This is for parts and material for the annual maintence 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 biulding permit from the county. The county has not issued a permit fort domestic water usage. We will need to perform some tests preor to appoval. The site preparational 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 maintenace 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.
Land to the state of the state	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 Critical for comms
This is a more accurate cost based on actuals. Actuals thru July are \$6.441, and the monthly cost is \$925 This is a more accurate cost based on actuals. Actuals thru July are \$1,135, and the monthly cost is \$190.	Critical for comms Critical for comms
This is a more accurate cost based on actuals. Radios and mountain antennas.	critical for comms
This is a first electrate cost based of actuals. Natios and incultant 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 serivces agreement with the consultant.	Critical for safety
·	Critical for operation of facility
We have new employess 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 form home.	Critical for monitoring plant and operations
	Critical for operations
	Critical for safety
This is to cover the equipment that we ue to perform the rope access and rescue tasks.	Critical for safety
	Critical for security of facility
This is castisfy the Ecology requirement for devioping a sediment mangemet plan for Cowit Falls. This wil also satisfy a FERC requirement for a sediment managemet 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
	Important for Operational Support
	Critical for operations
Yes, this I scontracted. This clears out the bat launched after each flood season for recreational and project related boat usage.	Critical for operations
No. This is for material for general building maintenace.	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 suppies for grounds maintenace.	Critical - operations
	Critical - operations, safety of visitors
	Citator Operations, surely of stations
This was for Lewis County Noxios Weeds to assist us in controlling noxius 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 ontions:	Citical Operations success of transit
This was for Lewis County Noxios Weeds to assist us in controlling noxius 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.
This was for Lewis County Noxios Weeds to assist us in controlling noxius 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.	
This was for Lewis County Noxios Weeds to assist us in controlling noxius 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.

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.
This is a more accurate cost based on accusas. Accusas unu suny are \$4,555, and the monthly cost is \$500.	Critical to operations and visitor support
We are scheduled to perform this work in fall 2022.	Remove - will be completed in '22
We are scheduled to periorin this work in rail 2022.	Critical - safety
No labor. This is for material and supplies.	Critical - operations and maintenance
	Critical - operations and maintenance
This lline item is to pump out our septic system tanks and vaults. Line item 304 is for contractual serives to assist us with our septic and water systems.	Critical - operations and maintenance
	Critical - operations and maintenance
	Critical - operations and maintenance
	· · · · · · · · · · · · · · · · · · ·
	Important - not critical
	Important not critical
	Important - not critical
	Important - not circuit
	importants instantion
	Important - not critical
	Important - not critical
	Important - not critical
	important - not crucial
This is based on actuals. Actuals thru July are \$10,275 - no other costs for the rest of the year	Investors and critical
This is based on actuals. Actuals thru July are 310,275 - no other costs for the rest of the year	Important - not critical
	Important - not critical
	Important - not critical
	Important - not critical
	Important - not critical
	Important - not critical
La contraction of the second o	
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
	information in extreme

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 Control of the Control of
	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
This is for the cost of the new District document management software that will be purchased in 2023. This is a reoccurring cost.	Critical - business requirement Need to reconcile new software and recurring costs and inclusion in Exhibit F A&G
This is of the Cost of the new District document management software that will be purchased in 2022. This is a reoccurring Cost.	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?
Yes, this is the fee for having Cowlitz Falls document scanned.	Determine the state of the december the state of the stat
	Critical - business requirement
	Critical - support safety
Dam safety and sediment are some cadidates. 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
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.
	important work or long range parinning.
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.	Importan - 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 - 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 Sharefile bolder.	
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 unkowns concerning costs.
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.	
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 unkowns concerning costs. Defer - not critical
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.	
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 - not critical
Sharefile tolder.	Defer - not critical
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. 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.	Defer - not critical Defer - legal
Sharefile folder. 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	Defer - not critical
Sharefile folder. 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	Defer - not critical Defer - legal
Sharefile folder. 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	Defer - not critical Defer - legal Ok - this is a typical equipment for the facility. However, cost estimate seems high.
Sharefile folder. 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.	Defer - not critical Defer - legal
Sharefile folder. 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.	Defer - not critical Defer - legal Ok - this is a typical equipment for the facility. However, cost estimate seems high.
Sharefile folder. 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.	Defer - not critical Defer - legal Ok - this is a typical equipment for the facility. However, cost estimate seems high.
Sharefile folder. 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.	Defer - not critical Defer - legal Ok - this is a typical equipment for the facility. However, cost estimate seems high.
Sharefile folder. 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.	Defer - not critical Defer - legal Ok - this is a typical equipment for the facility. However, cost estimate seems high. Remove - purchasing in '22
Sharefile folder. 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.	Defer - not critical 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 aiready design complete.
Sharefile folder. 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.	Defer - not critical 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.

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.
	important - work aireazy in nigrit.
	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.

Lewis Response	BPA Narrative
and cooperate	Defer - not an urgent need.
	Important - additional ability to monitor operations.
	Defer - no urgent need. Will need further investigation of options.
	лене - по мусть песы эти песы на тес пусь Вулия и принив.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etcs for coordinating the collection and remoal of debris.
	Defer - no urgent need. Requesting a study with all three trash related projects to ensure appropriate placement, capacity etcs for coordinating the collection and remoal of debris.
	Defer - no urgent requirement or neet.
	Deter - no utgent requirement of neet.
	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.

Lewis Response	BPA Narrative

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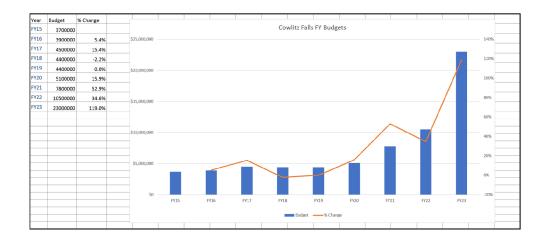
Subset	2023	Status	_	ubtotal	%
O&M	\$ 2,516,110	Accepted	\$	1,465,910	58%
		Additional Info Needed	\$	-	0%
				1,050,200	
Special O&M	\$ 5,121,960			4,976,660	
				-	0%
				145,300	
OR&R	\$ 15,093,900			1,686,100	
				120,000	
				13,287,800	
Grand Total	\$ 22,731,970			8,128,670	
				120,000	
		Remove		14,483,300	
		Remaining	5	-	0470
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	Budget Year		2023 (Supported)	% Change from '23 Request				FY22
2023 - 2029 O&M	2022	2023 (Requested)			Difference		O&M	\$ 3,119,480.00
Fish & Wildlife	\$ 210,380	\$ 238,740	\$ 124,440	-48%	\$ 114,300		Special O&M	\$ 4,180,950.00
Maintenance	\$ 1,767,950	\$ 1,333,900	\$ 579,000	-57%	\$ 754,900		OR&R	\$ 4,004,670.00
Operations	\$ 330,040	\$ 262,600	\$ 212,600	-19%	\$ 50,000			
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%	\$ -			
Grand Total (O&M)	\$ 3,158,480	\$ 2,516,110	\$ 1,465,910	-42%	\$ 1,050,200	\$ 1,050,200		
	Budget Year		2023 (Supported)	% Change from '23 Request				
2022 - 2023 Special O&M	2022	2023 (Requested)						
General	\$ 1,004,700	\$ 1,117,760	\$ 972,460	-13%				
Operations	\$ 39,000			0%				
Training & Travel	\$ 23,800	\$ 26,800	\$ 26,800	0%				
Wage, Benefits, & Taxes	\$ 3,113,450	\$ 3,920,100	\$ 3,920,100	0%				
Grand Total (Special O&M)	\$ 4,180,950	\$ 5,121,960	\$ 4,976,660	-3%				
	Budget Year		2023 (Supported)	% Change from '23 Request				
2022 - 2023 OR&R	2022	2023 (Requested)						
Fish & Wildlife		\$ 955,000	s -	-100%				
Fleet	\$ 37,000			-6%				
Maintenance	\$ 2,292,270			-89%				
Operations	\$ 75,400			0%				
Recreation	\$ 1,600,000			-95%				
Grand Total (OR&R)	\$ 4,004,670		\$ 1,686,100	-89%				
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,						
Grand Total (All items)	\$ 11,344,100	\$ 22,731,970	\$ 8,128,670	-64%				

FY:	23 Target	FY:	23 Proposed	Dif	ference
\$	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	\$	15,093,900.00	\$	(8,689,230.00)
\$	12,295,290.00	\$	22,708,670.00	\$	(10,413,380.00)

O&M	Bu	dget	E	xpended	% Spent	Completion Rate	58%
Fish & Wildlife	\$	210,380	\$	91,491	43%	75%	
Maintenance	\$	1,767,950	\$	265,483	15%	26%	
Operations	\$	330,040	\$	81,268	25%	42%	
Recreation	\$	416,800	\$	108,054	26%	44%	
Taxes	\$	65,100	\$	51,979	80%	137%	
Training & Travel	ş	191,850	\$	72,275	38%	65%	
Transmission	\$	63,000	\$	3,610	6%	10%	
Wage, Benefits, & Taxes	\$	113,360	\$	-	0%	0%	
Grand Total (O&M)	\$	3,158,480	\$	674,160	21%	37%	
Special O&M		2022	E	xpended	% Spent	Completion Rate	
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%	
Grand Total (Special O&M)	\$	4,180,950	\$	650,895	16%	27%	
OR&R		2022	Е	xpended	% Spent	Completion Rate	
Fish & Wildlife	\$		\$		#DIV/0!	#DIV/0!	
Fleet	\$	37,000	\$	18,095	49%	84%	* lathe 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
Grand Total (OR&R)	\$	4,004,670	\$	820,954	20%	35%	
Grand Total (All items)	\$	11,344,100	\$	2,146,009	19%	32%	

			FY22		Adj							FY22		Adj		Target		
0&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)				FY2	2	FY23 Target		FY23 Proposed		Dif	ference
	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	\$	5,098,660.00	\$	(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	0&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	5	11,305,100.00	4	12.295.290.00	8.76%											\vdash	



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 <u>consider</u> (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 | 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

Deckert FOIA - 0169 27300252(01).pdf

DRAFT

External Talking Points

- 1) Bonneville strives to have a reasonable and defendable budget as "Bonneville has a direct interest in actions and decisions affecting Project Power costs..." and "Bonneville has an obligation to its rate paying customers to perform due diligence on costs that impacts rates."
- 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 defendable 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.

<u>Internal</u>

- 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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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.

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- 6) This process was significantly delayed due to an incomplete budget submission, justification sheets lacked key information updates, and numerous delayed responses to requests for information. It was difficult for Bonneville staff to evaluate the budget submission as information was difficult to obtain. Previous agreements on information and the completeness of the information have been ignored. Lewis is not meeting the spirit of the latest amendment to the PPA, Section V, "The Parties will make good faith efforts to reach mutual agreement on the Project budget within the timeline set forth in the Contract."
- 7) LCPUD and CFP staff have made no indication of prioritization of work within this budget.

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O&M	Budg	get	I	xpended	% 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%
Grand Total (O&M)	\$	3,001,120	\$	843,483	28%	42%
Special O&M		2022	I	xpended	% Spent	Completion Rate
General	\$	1,004,700	\$	661,985	66%	99%
Operations	\$	39,000	\$	30,729	79%	118%
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Wage, Benefits, & Taxes	\$	3,226,810	\$	2,100,000	65%	98%
Grand Total (Special O&M)	\$	4,294,310	\$	2,792,904	65%	98%
OR&R		2022		xpended	% Spent	Completion Rate
Fish & Wildlife	\$	-	\$	-	0%	100%
Fleet	\$	37,000	\$	18,095	49%	73%
Maintenance	\$	2,292,270	\$	929,480	41%	61%
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Recreation	\$	1,600,000	\$	652,689	41%	61%
Grand Total (OR&R)	\$	4,004,670	\$	1,616,163	40%	61%
Grand Total (All items)	\$	11,300,100	\$	5,252,550	46%	70%

9) In past joint meetings with LCPUD's Manager, he has looked to assign BPA tasks; Re-direction of work to BPA. While BPA is in full support to work towards reaching agreement on this budget, prior efforts to "support" CFP through taking on additional tasks such as building the justification sheets for CFP, have not resulted in an effective use of BPA staff time nor advanced us towards CFP in being able to be self-sufficient in budget planning and justification.



DRAFT

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Grand Total (O&M)	\$	3,001,120	\$	843,483	28%	42%
Special O&M		2022	ı	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%
Grand Total (Special O&M)	\$	4,294,310	\$	2,792,904	65%	98%
OR&R		2022	ı	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%
Grand Total (OR&R)	\$	4,004,670	\$	1,616,163	40%	61%
Grand Total (All items)	\$	11,300,100	\$	5,252,550	46%	70%

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) - PGΛC-RICHLAND <csonoda@bpa.gov> Subject: Rockwall cost - through Phase 2

Here is some information for the rock wall costs -

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Summary of Cost Suggestion:
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- ✓ 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 o Phase 1 - safety efforts
- o 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 spilt 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
- o 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."
- o 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)
- o 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



ive Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget Yea								BPA Question		
	(Excludes Wages & Benefits)			23 2024	2025	2026	2027	2028	2029			
	Fish & Wildlife	\$ 210.3	80 \$ 1,193,7	0 \$ 497,300	\$ 1,290,600	\$ 1,509,700	\$ 903,480	\$ 1,276,570	\$ 399,850			
	O&M	\$ 210,3										
	American Fisheries Society (AFS) Membership	V 220,5		10 \$ 110						Is this Tacoma's responsibility?		
	American risheries society (Ar.5) Membership		3 1	3 110	3 110	\$ 110	\$ 110	\$ 110	3 110	is uns racorna s responsivinty:		
	CISPUS ADULT FISH SITE RELEASE ANALYSIS		\$ 75,0	00						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 with Tacoma pertaining to this issue.		
	Creel Study	\$ 18.0		-	\$ 50,000	\$ 20,000						
	ESA BiOp Studies	3 10,0	,,,			\$ 748,000	\$ 758,000	\$ 580,000	\$ 100,000			
	Fish & Wildlife Contract Services (RTL Consulting)	\$ 10,0	n é 10.0	00 \$ 10,000								
	Fish Gate Position Indicators	\$ 32,0		50 \$ 10,000	\$ 10,000	3 10,000	\$ 10,500	7 10,000	7 10,000			
	rish date rosition mulcators	\$ 32,0	,u									
	Fishing Pond Sediment Removal	\$ 30,0	0,00 \$ 30,0	00						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)	\$ 10,0	00 \$ 10,0	00 \$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000			
	Habitat Management; Fertilizer, Spraying, Plants	\$ 9,0	0 \$ 9,0			\$ 9,300	\$ 9,600	\$ 9,600	\$ 9,600			
	Kid's Trout Derby			0 \$ 5,600					\$ 6,200			
	Mitigation Trout Program	\$ 45,0		00 \$ 49,000								
	Noxious Weed Control Contractor	\$ 9,31		0 \$ 9,500				\$ 9,700	\$ 9,700			
	TPU Rearing Facilities Studies	, J,S.	,0	3,500	\$ 150,000	3,500	ŷ 3,700	y 3,700	y 3,700			
	USGS Gauging Station Fees	\$ 41,6	n ¢ 42.6	0 \$ 43,700		\$ 45,900	\$ 46,980	\$ 48,070	\$ 49,150			
	Wildlife Society Membership			0 \$ 43,700								
	OR&R	\$	- \$ 955,0	00 \$ 360,000	\$ 950,000	\$ 600,000		\$ 550,000				
	(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								
	Kiona Creek Enhancement		\$ 120,0	00 \$ 120,000						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		\$ 50,0	00								
	Wildlife Meadows Unit #5			\$ 40,000								
	Wildlife Mitigation Land	\$	- \$ 785,0	00						Under legal review. BPA cannot support finding at this time.		
	Fleet	\$ 37,0	00 \$ 90,0	00 \$ 72,000	\$ 30,000	\$ 83,000	\$ 83,000	\$ 45,000	\$ 45,000			
	OR&R	\$ 37,0	00 \$ 90,0	00 \$ 72,000	\$ 30,000	\$ 83,000	\$ 83,000	\$ 45,000	\$ 45,000			
	Mower	\$ 22,0	00									
	RT Fork Lift		\$ 85,0	00						Why does this need to be purchased now?		
	Side By Side			\$ 30,000	\$ 30,000							
	Truck Box Crane		\$ 5,0							Why does this need to be purchased now?		
	Vehicle	\$ 15,0				\$ 38,000						
	Vehicle for Replacement	20,0				\$ 45,000	\$ 83,000	\$ 45,000	\$ 45,000			
	Vehicle for Resource Worker			\$ 42,000		+5,000	\$ 55,000	+ 45,000	7 45,000			
	General General	\$ 1,004.70	00 \$ 1,094,4		\$ 1,091,960	\$ 1 118 110	\$ 1,149,210	\$ 1 196 110	\$ 1,229,680			
	Special O&M	\$ 1,004,7		50 \$ 1,058,560 50 \$ 1,058,560			\$ 1,149,210					
	A&G Exhibit F				\$ 405,600			\$ 444,000				
	ASDSO - Government Membership	\$	*	50 \$ 60								
	Auditing - Accountability			0 \$ 2,400		\$ 2,600		\$ 2,800	\$ 2,900			
	Auditing - Financial	\$ 19,0	00 \$ 19,4	50 \$ 20,200	\$ 20,900	\$ 21,600	\$ 22,400	\$ 23,200	\$ 24,000			
	Budget Facilitator	\$	-									
	CEATI - MEMBERSHIP	\$ 65,3		00 \$ 42,000								
	CEATI - PROJECTS	\$ 30,0		00 \$ 15,000		\$ 15,000	\$ 15,000	\$ 20,000	\$ 20,000			
	Compliance Consultant	\$ 65,0	00 \$ 65,0	00 \$ 65,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 75,000	\$ 75,000			
	Document Management Software		\$ 30,0	00 \$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000			
	Document Scanning		\$ 5,0	0 \$ 5,000	\$ 5,000							
	FERC Annual Fee	\$ 100,0	00 \$ 103,0	00 \$ 106,100	\$ 109,300	\$ 112,600	\$ 116,000	\$ 119,500	\$ 123,000			
	Fire District Payment	\$ 19,5		00 \$ 20,500				\$ 21,850				
	Infrastructure Grant Proposal (HDR)		\$ 50,0									
	INSURANCE - CYBER/CRIME/PUBLIC OFFICIALS	\$ 72		0 \$ 7,900	\$ 8,300	\$ 8,750	\$ 9,200	\$ 9,600	\$ 10,100			

ive Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)	Bud	get Year								BPA Question
	(Excludes Wages & Benefits)			2023	2024	2025	2026	2027	2028	2029	
	INSURANCE - EXCESS LIABILITY	s	25.000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000	\$ 30,000	\$ 31,000	\$ 32,000	
	INSURANCE - LIABILITY	ś	10,500								
	INSURANCE - PROPERTY	\$	200,000								
	LEGAL SERVICES - BIOP & FERC ISSUES	Ś	24.200								
	LEGAL SERVICES - GENERAL ISSUES	\$	20.000								
		\$	35.000								
	Long Range Plan Analysis	\$									Please provide current LRP for BPA review and justificaiton for necessity of perpuitary costs.
	NWHA Membership	\$	9,300								
	OFFICE SUPPLIES AND EXPENSES	\$.,		\$ 9,600	\$ 9,600	\$ 9,900	\$ 9,900	\$ 10,200	\$ 10,200	
	Records Clean Up			\$ 15,000							
	Maintenance				\$ 4,091,900			\$ 3,829,300			
	O&M	\$ 1	1,767,950	\$ 1,333,900	\$ 1,054,900		\$ 904,600	\$ 704,300	\$ 2,376,800		
	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?
	· · ·	\$	3,200		\$ 3,200	ć 2200	d 2.200	\$ 3,200	\$ 3,600	t 2.000	
	Buffer Zone Management			\$ 3,200						\$ 3,600	
	CAD Software Licensing	\$	4,500	\$ 6,000	\$ 6,000						Are these costs shared with Lewis
	Computer Software	\$	2,000	\$ 2,000							Are these costs shared with Lewis
	Construction Management Software	\$	12,000	\$ 7,600							Are these costs shared with Lewis
	Contract Crane Inspections	\$	12,600	\$ 14,000							
	Contract Diesel Generator Maintenance	\$	10,000	\$ 12,000	\$ 12,000	\$ 14,000	\$ 14,000	\$ 16,000	\$ 16,000	\$ 18,000	
	Contract Drafting Services	\$	50,000	\$ 50,000	\$ 50,000	\$ 55,000	\$ 55,000	\$ 57,500	\$ 59,500	\$ 61,500	
	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 Recoders	\$	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			\$ -	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	
	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	Ś	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	,	,	\$ 20,000	21,000	,,,,,,	, 10,000	, 20,000	
	Drainage Pump Handrail	Ś	2,500			20,000					
	Drainage Sump Level Indication	· · ·	2,,100	\$ 3,500							Is this repair or addition of a new sensor?
				\$ 48,000							·
	Drainage Sump Study	Ś	2 000		ć 200-	ć 2000	ć 2.00c	ć 2.00c	ć 2.00c	\$ 3,000	Why does this need to happen now?
	Drainage System	-	3,000	\$ 3,000				\$ 3,000	\$ 3,000		
	Electrical Parts	\$	5,400	\$ 14,400							Are these spare parts?
	Equipment Rental	\$	17,000								
	Equipment Watch Annual Fee			\$ 2,500						\$ 2,500	
	FERC Part 12 Recommendations				\$ 125,000		\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	
	Forebay and Tailrace Level Sensor Replacement					\$ 45,000					
	Fuel - Diesel Generator			\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	
	Gantry Crane Jib Hoist Load Cell			\$ 15,000							
	Generator Bus Boots			\$ 8,000							
	Generator Oil Mist Piping			\$ 3,000							
	Generator Parameter Validation Testing						\$ 120,000				
	Governor	\$	4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	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	Ś	15,000	. 5,000							
	GSU Transformer Maintenance	5	3,240				\$ 45,000				

tive Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget	Year									BPA Question		
	(Excludes Wages & Benefits)				2024	202		2026	2027	2028	2029			
	GSU Transformer Oil Processing & Testing	\$ 10	65.780											
	GSU Transformer Testing							Ś	45,000					
	HVAC	Ś	3,200 \$	3,500	\$ 3,500	\$ 3,500) \$	3,500 \$	3,500	\$ 3,800	\$ 3.800			
	Inspect Upstream Coating Spillway Gate 4	7	3,200 \$	3,300	\$ 60,000	y 3,500	, ,	5,500 \$	3,300	7 3,000	y 3,000			
	Instrumentation Parts	\$	5,400 \$	10,000		\$ 10,000		0.000 \$	10.000	10,000	10.000	Why the Increase?		
				10,000	\$ 10,000	\$ 10,000) \$ 1	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					
	Maintenance - Unanticipated Dam Repairs	\$	- \$	10,000				0,000 \$	10,000			Why wasn't this inlcuded in '22? Should have?		
	Maintenance Management System		15,000 \$	15,000				8,000 \$	18,000			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) \$ 1	1,000 \$	12,000	\$ 12,000	\$ 13,000			
	Mechanical Parts	\$:	10,600 \$	14,000	\$ 14,000	\$ 14,000) \$ 1	4,000 \$	14,000	\$ 14,000	\$ 14,000			
	Metal	\$:	10,000 \$	13,000	\$ 13,000	\$ 14,000) \$ 1	4,000 \$	14,500	\$ 14,900	\$ 15,300			
	Mobile Crane Maintenance		\$	1,500	\$ 1,500	\$ 1,500	\$	1,500 \$	1,500	\$ 1,500	\$ 1,500			
	North Rock Wall Scaling	s :	75,000 \$	150,000								Prior rock scaling was estimated to be good for G-7 years. Please provide reasoning this costexpenditure is required in FY23		
	Oil Bearing Level Sensors - Unit 1	The state of the s	۹.	24,000								Is this sensor new or replacing a broken one?		
	Oil Bearing Level Sensors - Unit 2			2-7,000	\$ 24,000									
	Oil Storage Tank Level Sensors			6,000	. Z4,000									
			2 200 4		£ 2.200	¢ 2200		2.200 €	2 200					
	Painting & Special Coatings		3,200 \$	3,200		\$ 3,200	۶ ر	3,200 \$	3,200	\$ 3,200	\$ 3,200			
	Piezometer Pressure Transmitters		18,000 \$	18,000										
	Plant Lighting		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	Need more detail as for this line item.		
	Protective Relay Testing					\$ 55,000)							
	Recoat Top Deck Above Control Room		3,500											
	Repaint Elevator Shaft Exterior	\$	1,500											
	Repaint Stairwell Interior	\$	500											
	Rotor Braided Jumpers	\$:	10,000											
	Safety Equipment - Non PPE	\$	5,000 \$	5,000	\$ 5,000	\$ 5,000	\$	5,000 \$	5,000	\$ 5,000	\$ 5,000			
	Sandblast and Coat Draft Tube Platform Brackets	\$	3,000											
	SCADA Network Support	\$:	10,700 \$	10,700	\$ 10,700	\$ 10,700) \$ 1	10,700 \$	10,700	\$ 10,700	\$ 10,700			
	SCADA Support		20,000 \$	200,000	\$ 120,000	\$ 124,000	0 \$ 12	28,000 \$	132,000	\$ 136,000	\$ 140,000	What is the driver for the \$80k increase from FY22		
	Seismic Study	\$ 1	50,000											
	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 a 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	i i		-,-30	\$ 80,000	,,,,,,,,,	T		.,	,	, ,,,,,,,,,			
	Spillway Gate 4 bottom Sear Nepan Spillway Gate Finite Element Analysis		s	90,000	- 55,500							Why this year?		
	Spillway Gates	ė	5,000 \$	5.000	\$ 5,000	\$ 5,000		5,000 \$	5,000	\$ 5,000	\$ 5.000	First vine years		
		>	3,000 \$	5,000	y 5,000	, 5,000	, 3	5,000 \$	5,000		, 5,000			
	Steel Structures & Equipment Coating		_			^	_	-						
	Structure Maintenance; Concrete, Fencing		\$	-	\$ -	٠ -	\$	- \$	- :	s - :	> -			
	Temporary Offices	\$	- s	230,000	\$ 72,000	\$ 72,000	\$ 7	2,000				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				2,000 \$	22,000	\$ 22,000	\$ 22,000	Why the large increase?		
	Transformer Oil Processing & Testing	7	é	1,000				1,000 \$	1,000					
	Trunnion Friction Testing	s e	65,000	1,000	- 1,000	- 1,000		2,000 9	2,000	1,000	- 1,000			
	•	-		4.000	ć 100c	ć 10		1.000 4	1.000					
	Turbidity Sensor Communication	\$	1,000 \$	1,000	\$ 1,000	\$ 1,000) 5	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?		

e Approval 2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget Year								BPA Question
(Excludes Wages & Benefits)		2 202	3 2024	2025	2026	2027	7028	2029	4
Unit 1 Major Inspection& Cleaning			2021	2020		2027		\$ 500,000	
Unit 1 Turbine Hub & Discharge Ring Recoating								\$ 600,000	
							\$ 500,000	7 000,000	
Unit 2 Major Inspection & Cleaning									
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				\$ 7,281,000	\$ 8,276,000	\$ 3,125,000	\$ 1,072,000		
5-Ton Bridge Crane	\$ 490,000								Updated JS required.
Battery Bank Replacement		\$ 80,000	1						
Battery Chargers		\$ 60,000	1						
Boat Barrier Replacement - Alternative Analysis	\$ 35,000								
Boat Barrier Replacement - Design	\$ 41,375	\$ 80,000	1						
Boat Barrier Replacement - Installation		\$ 1,800,000							Updated JS required.
Debris Barrier Coating & Cathodic Protection - Construction		\$ 3,680,800							
Debris Barrier Coating & Cathodic Protection - Design	\$ 60,000								
Downstream Boat Ramp	, 30,000		\$ 200,000	\$ 50,000					
Downstream Notification Siren - Design		\$ 10,000		\$ 50,000					
Downstream Notification Siren - Installation		\$ 10,000	\$ 40,000						
		\$ 60,000							
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	1						
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		,,		
					3 130,000		\$ 600,000		
Gantry Crane Controls and Drive Upgrade - Upgrades			\$ 78,000				\$ 600,000		
Generator Cooling Water Refurbishment	\$ 25,000								
Generator Hatch Cover Seals & Drains	\$ 25,000								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	1						
Intake Gate Slot Cover - Alternative Analysis							\$ 100,000	\$ 150,000	
Lathe	\$ 18,000								
Mobile Diesel Generator & Log Bronc Cover	\$ 25,000								
New Facility - Construction				\$ 1,200,000	\$ 2,000,000				
New Facility - Design			\$ 180,000	\$ 100,000					
New Facility - Site Preparation	\$ 60,000	\$ 1,068,100							Updated JS required
Plant Auxiliary Equipment Inputs into SCADA - Design			\$ 8,000						
Plant Auxiliary Equipment inputs into SCADA - Installation				\$ 38,000					
Revenue Meters	\$ 24,000								
Roadway Gates	\$ 12,000								
Roadway Lighting	\$ 20,000								
	20,000	\$ 16,000							
Service Water VFD & Controls Replacement	\$ 115,605								
Sluice Gate Replacement - CFD & Physical Model Design	\$ 115,605	1	\$ 1,200,000						
Sluice Gate Replacement - Construction 1									

ive Approval 2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget Y									BPA Question
(Excludes Wages & Benefits)				2024	2025	2026	2027	2028	2029	
Sluice Gate Replacement - Construction 3						\$ 5,536,000				
Sluice Gate Replacement - Design 1	\$ 372	2,000								
Sluice Gate Replacement - Design 2			67,700							Updated IS required
Sonar & Turbidity Sensors	\$ 25	5,000	.,,,,,,							Operator 20 required
South Downstream Abutment Wall Handrall		7.000								
South Well Pump	3 27	7,000			3,000					
				,	3,000		\$ 300,000			
Spillway 1 Apron Repairs Spillway 1 Apron Repairs - Alternative Analysis				9	60,000		\$ 300,000			
				,	60,000	4 00 000				
Spillway 1 Apron Repairs - Design					250,000	\$ 90,000				
Spillway 4 Gate Uplift Anchoring				\$	250,000					
Spillway 4 Rail Extension - Construction			\$ \$8,300	-						Updated IS required
Spillway 4 Rail Extension - Design	\$ 330									
Spillway Gate Control - Alternative Analysis		\$	50,000							
Spillway Gate Control - Design			\$	200,000						
Spillway Gate Control - Installation				\$	75,000					
Spillway Gate Hoist Covers - Construction		5,000								
Spillway Gate Hoist Covers - Design	\$ 25	5,000								
Spillway Gate Structural Reinforcement				\$	500,000					
Spillway Handrail & Guardrail	\$ 226	5,585								
Station Air Compressor Replacement								\$ 60,000		
Station Service cabinet Inputs Into SCADA - Design		\$	4,000							
Station Service cabinet inputs Into SCADA - Installation				16,000						
Station Service Circuit Breaker Replacement - Alternative Analysis							\$ 60,000			
Station Service Circuit Breaker Replacement - Design								\$ 120,000		
Station Service Circuit Breaker Replacement - Installation									\$ 1,200,000	
Surge Arrestor Replacement							\$ 20,000		3 1,200,000	
Tailrace Repairs & Improvements - Alternative Analysis				5	60,000		\$ 20,000			
				3						
Tailrace Repairs & Improvements - Design						\$ 250,000				
Tailrace Repairs & Improvements - Installation							\$ 2,000,000			
Transmission Line Access - Bridge Replacement			75,000 \$	- \$	-	5 -				IS required
Trash Rake - Alternative Analysis	\$ 86	5,850								
Trash Rake Construction				700,000 \$	1,070,000					
Trash Rake Design			91,000							JS required
Trash Removal System - Alternative Analysis	\$ 76	5,630								
Trash Removal System - Construction			\$		1,700,000					
Trash Removal System - Design			00,000 \$	50,000						JS required
Unit Instrumentation - Alternative Analysis		\$	15,000							
Unit Instrumentation - Design			\$	45,000						
Unit Instrumentation - Installation				\$	200,000					
Unit Turbine Gage Board Inputs into SCADA - Installation		\$	35,000							
Operations	\$ 405	5,440 \$ 4	24,900 \$	373,040 \$	375,940	\$ 380,880	\$ 381,580	\$ 396,020	\$ 401,620	
O&M	\$ 291	1,040 \$ 2	62,600 \$	230,640 \$	233,440	\$ 238,280	\$ 238,880	\$ 242,820	\$ 248,320	
1D Sediment Transport Study	\$ 100	0,000								
Advertising - Dam	\$	- \$	1,200 \$	1,200 \$	1,200	\$ 1,200	\$ 1,200	\$ 1,200	\$ 1,200	
CFP Cell Phones		1,600 \$	8,400 \$							Why the increase?
CFP Telephones	_		10,800 \$							Why the increase?
CFP Vehicle Verizon Connect	Ś	540 \$	2,300 \$							Why the increase?
COMMUNICATIONS - RADIOS, ETC	-	7,900 \$	8,100 \$							The state of the s
Communications Fiber - User Fee			18,500 \$							
Computer & Supplies	ə 48	\$	6,000 \$							Why the increase?
	A									willy the increaser
Dam Safety Consultant			54,000 \$							
Electric Utilities - Secondary Power Feed			11,800 \$							
Fall Protection Equipment		5,000 \$	6,000 \$							
FERC Dam Movement Survey		3,400 \$	8,800 \$							
FR Clothing - CFP		9,500 \$	9,500 \$		10,000					
GARBAGE SERVICE - OPERATIONS	\$ 2	2,400 \$	2,400 \$	2,500 \$	2,500	\$ 2,500	\$ 2,500	\$ 2,700	\$ 2,700	

e Approval 2023 - 2029 CFP Budget Estimates (2022 for reference)	Budget Year					BPA Question
(Excludes Wages & Benefits)		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		
Operator Supplies - Dam	\$ - \$	1,500 \$ 1,500 \$	1,500 \$ 1,500			
Portable Restrooms - Dam	٠	2,000 \$ 2,000 \$	2,000 \$ 2,000	V 2,500 V 2,500	2,000	
Respirator Fit Testing	, - e	1,500 \$ 1,500 \$	1,500 \$ 1,500	\$ 1,500 \$ 1,500	\$ 1,500	
	\$ 3,000 \$	4,500 \$ 4,500 \$				
Rope Access Gear	7 -7 7		4,500 \$ 4,500			
Security/Plant Locks	7 7	300 \$ 340 \$	340 \$ 380	\$ 380 \$ 420		
Sedimentation Report	\$	50,000				What is this for?
Sedimentation Report Annual Updates	\$	- \$ 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			
OR&R	\$ 75,400 \$ 1	.05,000 \$ 85,000 \$	85,000 \$ 85,000	\$ 85,000 \$ 95,000	\$ 95,000	
Major Office & Network Equipment	\$ 25,400 \$	25,000 \$ 25,000 \$	25,000 \$ 25,000	\$ 25,000 \$ 25,000	\$ 25,000	
Security Improvements	\$ 50,000 \$	80,000 \$ 60,000 \$	60,000 \$ 60,000	\$ 60,000 \$ 70,000	\$ 70,000	
Special O&M	\$ 39,000 \$	57,300 \$ 57,400 \$	57,500 \$ 57,600	\$ 57,700 \$ 58,200	\$ 58,300	
CF Vehicle and Equipment Fuel	\$ 16,000 \$	31,200 \$ 31,200 \$	31,200 \$ 31,200	\$ 31,200 \$ 31,200	\$ 31,200	Why has cost doubled from FY22?
CF Vehicle Maintenance	\$ 12,000 \$	15,000 \$ 15,000 \$	15,000 \$ 15,000	\$ 15,000 \$ 15,000	\$ 15,000	
CONSUMABLE SUPPLIES - FIRST AID	\$ 3,200 \$	3,200 \$ 3,200 \$	3,200 \$ 3,200	\$ 3,200 \$ 3,400	\$ 3,400	
CONSUMABLE SUPPLIES - JANITORIAL	\$ 1,300 \$	1,300 \$ 1,300 \$	1,300 \$ 1,300	\$ 1,300 \$ 1,500	\$ 1,500	
CONSUMABLE SUPPLIES - SAFETY & PPE	\$ 6,500 \$	6,600 \$ 6,700 \$	6,800 \$ 6,900			
Recreation		26,760 \$ 567,660 \$	319,760 \$ 593,460			
O&M		06,760 \$ 307,660 \$	319,760 \$ 320,460			
Advertising	\$ 3,000 \$	3,600 \$ 3,600 \$	3,600 \$ 3,600			
Boat Launch Sediment Removal	\$ 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		25,000 \$ 130,000 \$	135,000 \$ 140,000			
Campground Internet	\$ 3,000 \$	3,200 \$ 3,200 \$	3,400 \$ 3,400			
Campground Reservation Software	\$ 5,000 \$	5,200 \$ 5,200 \$	5,400 \$ 5,400	\$ 5,400 \$ 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			
Campground Wood Chips	\$ 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				١.	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			
Group B Annual Operating Fee - Falls Road Well	\$ - \$	60 \$ 60 \$	60 \$ 60			
MAINTENANCE - GROUND	\$ 3,200 \$	3,400 \$ 3,400 \$	3,400 \$ 3,400			
MAINTENANCE - SEWER & WATER SYSTEM	\$ 6,400 \$	6,400 \$ 6,400 \$	6,400 \$ 6,400			
Noxious Weed Control	\$ 5,000 \$	6,000 \$ 6,000 \$	6,000 \$ 6,000		,	
Operation Supplies	\$ 2,200 \$	2,200 \$ 2,200 \$	2,200 \$ 2,200			
		30,000 \$ 30,000 \$	30,000 \$ 30,000			
Port Blakely Road Access Agreement	7 33,733 7	30,000 \$ 30,000 \$ 13,500 \$ 14,000 \$	14,000 \$ 30,000			
Port Blakely Road Maintenance						
Portable Restrooms		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			
Repairs & Supplies	\$ 10,000 \$	10,000 \$ 11,000 \$	11,000 \$ 12,000			
Septic System Maintenance - Recreation	\$	6,000 \$ - \$	6,000 \$ -	\$ 6,000 \$ -	\$ 6,000	
Sign Replacements	\$ 2,200 \$	2,500 \$ 2,500 \$	2,600 \$ 2,600	\$ 2,720 \$ 2,720	\$ 2,800	
Tools & Equipment - Recreation	\$ 3,000 \$	3,000 \$ 3,000 \$	3,400 \$ 3,400	\$ 3,600 \$ 3,600	\$ 3,800	
OR&R	\$ 1,600,000 \$ 2	20,000 \$ 260,000	\$ 273,000	\$ 501,000	\$ -	
Campground & Day Use Park Paving		50,000	\$ 164,000		\$ - 1	Are these costs based on estimates?

e Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)	Budg	get Year								BPA Question
	(Excludes Wages & Benefits)			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						V 0.1,000	\$ 322,000			
	Campground Storage Building - Design						\$ 45,000	Ç 322,000			
	Campground Storage Building - Installation							\$ 179,000			
			,600,000					\$ 175,000			
	Copper Canyon Take Out Site Improvements	\$ 1	.,600,000	40.000							
	Day Use Park Flat Water Kayak Take Out										
	Taxes	\$	65,100 \$								
	O&M	\$	65,100 \$								
	County Taxes	\$	700 \$								
	Ecology Water Tax	\$	7,500 \$			7,500					
	Privilege Tax	\$	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	
	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	
	AVO Circuit Breaker Maintenance				\$ 5,000						
	AVO Electrical Series	s	4,350 \$	4,350							
	AVO Substation Maintenance I	Ť	.,	5,000	\$ 5,000						
	AVO Thermography I		9		5 5,000						
	AVO Thermography II		,		\$ 5,000 \$	5,000	\$ 5,000				
	CEATI - ANNUAL MEETING	\$	3,000 \$					\$ 10,500	\$ 10,500	^ 10.F00	Why has this increased?
		>	3,000 \$								Why has this increased?
	CEATI - ASSET Management Meeting			1,800						\$ 1,800	
	CEATI - DSIG MEETING	\$	2,200 \$							\$ 4,400	
	CEATI - HPEIG MEETING		\$	4,400	\$ 4,400 \$	4,400	\$ 4,400	\$ 4,400	\$ 4,400	\$ 4,400	
	CEATI - HPLIG 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	
	EPTC Relay Protection		\$	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	
	HydroVision	\$	3,000 \$	3,000	\$ 3,000 \$	3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	
	NW Hydro Forum	s	800 \$								
	NWHA - ANNUAL MEETING	Ś	800 \$							\$ 800	
	NWHA - WORKSHOP	ŝ	500 \$								
	NWPPA - LEADERSHIP TRAINING	\$	3,400 \$								
	OPERATOR TRAINING DEVELOPMENT 2022	\$	130,000	3,400	ÿ 3,400 ÿ	3,400	\$ 5,400	5 5,400	y 3,400	y 5,400	
					4 0.000						
	TPC - ELECTRICAL WORKSHOP	\$	4,350 \$								
	TPC - MECHANICAL FUNDAMENTALS AND TROUBLESHOOTING	\$	2,390 \$								
	TRAINING - CRANE		\$	4,000				\$ 6,000			
	TRAINING - MANLIFT/FORKLIFT	- 1.			\$ 4,000						
	TRAINING - PESTICIDE APPLICATION	\$	1,600 \$			1,600					
	TRAINING - WATER & WASTEWATER	\$	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	
	TRAINING - COMPUTER	\$	800 \$	800	\$ 800 \$	800	\$ 800	\$ 800	\$ 1,000	\$ 1,000	
	Training - Confined Space		9	8,000			\$ 10,000			\$ 11,000	
	TRAINING - FALL PROTECTION	Ś	8,000	-,500		8,000			\$ 8,000	,	

entative Approval	2023 - 2029 CFP Budget Estimates (2022 for reference)	В	Budget Year									BPA Question
	(Excludes Wages & Benefits)			2 :	023	2024	2025	2026	2027	2028	2029	
	TRAINING - ROPE ACCESS	\$	8,000	\$ 8,	000 \$	8,000	\$ 8,000	\$ 8,000	\$ 9,000	\$ 10,000	\$ 10,000	
	WPUDA - ADMIN ROUNDTABLE	\$	600	\$	500 \$	600	\$ 600	\$ 600	\$ 600	\$ 800	\$ 800	
	WPUDA/APPA/NWPPA - ACCOUNTANT TRAINING	\$	4,000	\$ 4,	000 \$	4,500	\$ 4,500	\$ 5,000	\$ 5,000	\$ 5,500	\$ 5,500	
	Transmission	\$	63,000	\$ 62,	000 \$	62,000	\$ 62,000	\$ 62,000	\$ 60,000	\$ 60,000	\$ 60,000	
	O&M	\$	63,000	\$ 62,	000 \$	62,000	\$ 62,000	\$ 62,000	\$ 60,000	\$ 60,000	\$ 60,000	
	ROW Maintenance	\$	60,000	\$ 60,	000 \$	60,000	\$ 60,000 \$	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	
	Transmission Line Corridor Planting	\$	3,000	\$ 2,	000 \$	2,000	\$ 2,000	\$ 2,000				
	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:
In BIOP, needed to build an adult fish release site. Conjunction with US Forest Service, and Taccma. 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.	BPA needs to understand the drivers, need and priority. Has any regulatory body say that it is currently deficent? 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 maintenence under the agreement with Tacoma?
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.	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.
Did receive grant funding from lower columbia fish recovery. Put these in as placeholders, uncertain of costs to the district.	
and receive grain formal and recording instruction y in a time and a preceivable of control of cont	

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?
Reed to get the new program setup and then run annually, but not agree to final method last year with orac, Need to Mostal thor F124.	What is the deriverable for the \$55,000; was this based on ventrol quote for service?
Dam is series of bridges and sections. Never has been looked at, need to determine frequency of bridge inspections etc. No kown issues, but want to check. Wasn't designed with concrete	
pain is series or proges and sections, we've has been looked at, need to determine frequency or proge inspections etc. No known issues, but want to check. Wasn't designed with concrete movement consideration. Have done local repair, but need deeper view.	
	Needs JS sheet.

Lewis Response	Additional follow up:
Have not selected a system yet, have reviewed them and locking 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 laterFY22 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:

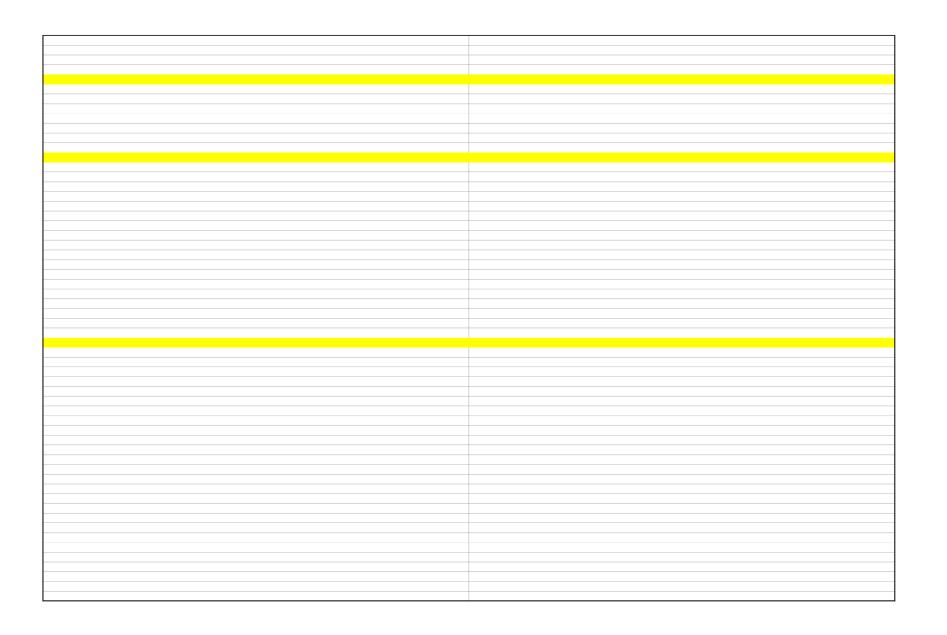
Lewis Response	Additional follow up:

Lewis Response	Additional follow up:
· ·	·
Estimate includes future cost of fuel. Could reduce estimate to FY22 since gas prices are lowering.	
<u> </u>	

Lewis Response	Additional follow up:

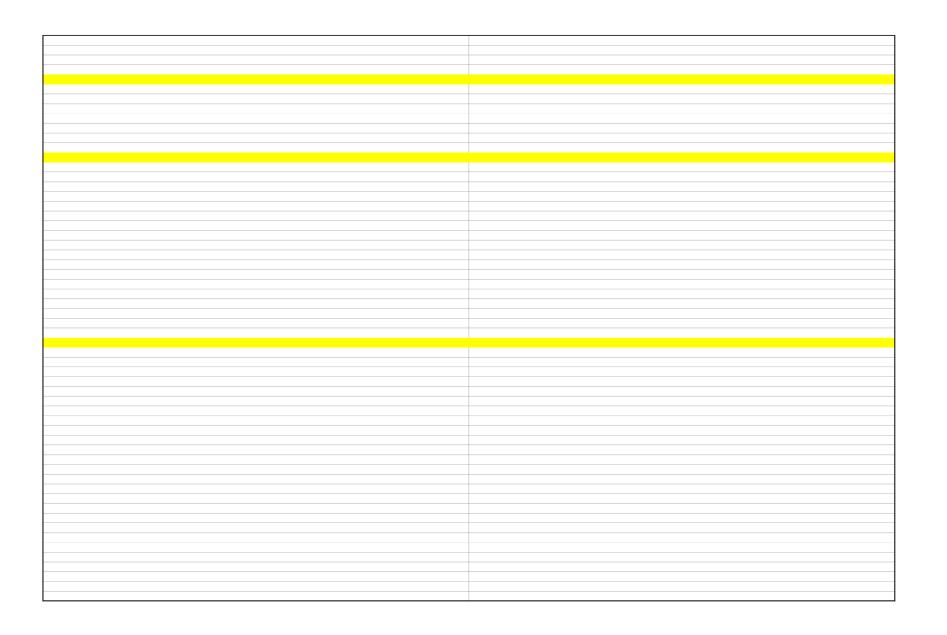
Lewis Response	Additional follow up:





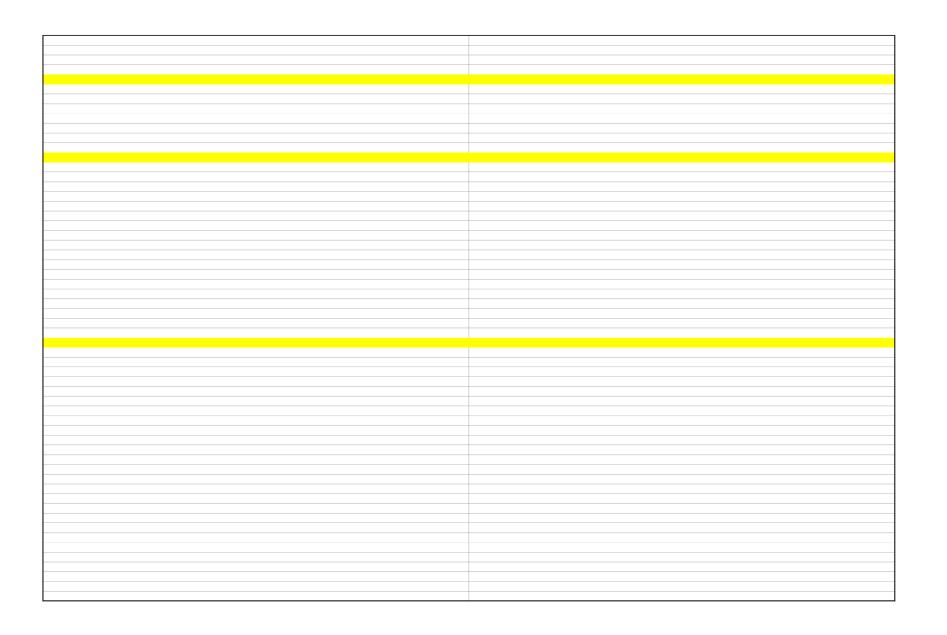
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