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May 3, 2022

MEMORANDUM

TO: Fish and Wildlife Committee Members

FROM: Mark Fritsch

SUBJECT: Asset Management Strategic Plan priorities for FY2023 for hatcheries and screens

BACKGROUND:

Presenter: Mark Fritsch will be joined by Eric Leitzinger and Andy Traylor from Bonneville Power Administration (Bonneville).

Summary: Council and Bonneville staff will present recommendations from the Asset Management Subcommittee, represented by Council member Jeff Allen and Jason Sweet (Executive Manager, Fish and Wildlife Division, Bonneville), regarding Fiscal Year 2023 non-recurring maintenance priorities for the Fish and Wildlife Program's hatcheries and fish screens. The subcommittee is looking for support to take a recommendation to the full Council in June. In addition, a future update to the Asset Management Strategic Plan (Plan) and related topics will be briefly discussed.

Relevance: The 2014 Fish and Wildlife Program (Program), includes an investment strategy (Part Six, Section II; and Appendix P). Specifically, "...*long-term maintenance of the assets that have been created by prior program investments...*" is ranked the highest emerging priority in the Program. In response an [Asset Management Strategic Plan](#) (Plan) was collaboratively developed with Bonneville to address non-recurring maintenance needs for hatcheries, fish diversion screens, and mitigation lands to ensure

longevity and integrity of the Program's past investments made for the benefit of fish and wildlife. That Plan was approved by the Council on October 10, 2018.

Workplan: Fish and Wildlife Division Work Plan 2022; Program Implementation; Task D. Implement the Asset Management Strategic Plan.

Background: The Plan outlines an annual process where non-recurring maintenance needs are identified for the screens and hatcheries to ensure that funds can be directed to the project(s) to inform their upcoming start-of-year budgets. In January 2022 Bonneville and Council staffs requested maintenance priorities from sponsors and managers for both screens and hatcheries. In total we received nearly \$1,140,678 in requests for 20 screens, and \$2,132,980 for nine Program hatcheries.

In February and March Council and Bonneville staff 1) reviewed priorities received in relationship and capacity of annual project and/or portfolio budgets (including Accord funding); 2) confirmed total costs, and 3) determined if permitting and environmental review is needed.

On April 18th staff met with the Subcommittee regarding priorities for implementation in Fiscal Year 2023 (see the following tables). The FY 2023 request for screens and hatcheries is for \$231,380 and \$268,620, respectively, for a total of \$500,000. This total amount does not exceed the established Asset Management Placeholder of \$500,000.

There continues to be a lack of certainty and commitment in securing a long-term funding stream to ensure the longevity and integrity of the Program's past investments made for the benefit of fish and wildlife. This was a condition of the Council-approved 2018 Plan and given the number of requests received through the Plan, and urgent requests recently addressed in the Budget Oversight Group (BOG), this funding stream remains clearly warranted. Securing a consistent funding stream to support asset management is complicated by the ongoing issue of flat funding. For this reason, the Council identified and recommended addressing these policy issues to Bonneville in the recently approved [Anadromous Fish Habitat and Hatchery Review Recommendations](#) (Policy Issue II, a and b).

In addition, as noted in the Plan, it is time to update the independent assessment of the Program Hatcheries in FY2022. This update will not be as extensive as the initial exercise in 2016/2017 but will incorporate new facilities coming on-line (e.g., MRS Coho and South Fork Walla Walla) and update the condition assessments for the various components of the Program Hatcheries. Currently, Bonneville is initiating a contract request for the 2016/2017 assessments to be updated. Also, Bonneville is

updating their agency-wide Asset Management Key Strategic Initiative and the associated strategic asset management plans (SAMPs) for fish and wildlife lands, hatcheries, and fish screens. These SAMPs are being integrated into Bonneville’s Integrated Program Review (IPR) and Financial Plan. This public review process associated with the IPR provides an opportunity to advocate for adequate support for the Fish and Wildlife Program’s investments.

Program Screens¹

Manager	Prioritized Site	Estimated Cost	Description/Comments
IDFG	Lemhi River- 51A (L-51A)	\$78,500	replacement of 45-degree rotary drum screens
SCWRCD ²	Manastash Water Ditch Association (MWDA)/Consolidated Diversion	\$18,917 <i>(56,750)</i>	Compressor motor replacement only. <i>Total requested - Compressor components replacement. Miscellaneous mechanical and valve replacement. Air tank replacement. Gate actuator replacement. Repair/replace OU gate.</i>
	Barnes Road Diversion	\$18,917 <i>(56,750)</i>	Compressor motor replacement only. <i>Total requested - Compressor components replacement. Miscellaneous mechanical and valve replacement. Air tank replacement. Gate actuator replacement.</i>
	Keach Jensen Diversion	\$18,917 <i>(306,750)</i>	Compressor motor replacement only. <i>Total requested - Install automated brush cleaning system to assist with the airburst cleaning system to keep screens from getting clogged. Compressor motor replacement. Miscellaneous mechanical and valve replacement. Air tank replacement. Gate actuator replacement. Repair/replace OU gate.</i>

¹ *Italicized text represents requested amounts and descriptions*

² South Central Washington Resource Conservation Development

WDFW	Taylor #49	\$35,801 (50,000)	Priority #1: Screen cloth replacement at Taylor #49 screen. <i>Priority #2: If additional funding isn't available (Taylor #49 total cost = \$50,000), funds will be used to purchase replacement components such as motors, pumps, gear boxes, etc. These are items that often wear out or break during the irrigation season.</i>
ODFW	Eight Mile Creek	\$60,328	Needs walkway and handrail, new gantry, new paddle wheel components, new fencing
Total		\$231,380	

Program Hatcheries

Site - Manager	Prioritized Element	Estimated Cost	Description/Comments
Colville - CCT			
	Six 5-foot circular tank replacement	\$37,620	The six 5-foot fiberglass circular tanks need to be replaced due to age and wear and tear
Lake Roosevelt Resident - WDFW/STOI			
Sherman	Residence Roof	\$15,000	needs replacement
	Domestic Well	\$25,000	Does not produce enough water
Spokane	Effluent Screen and Influent Anti-jump Screen	\$25,000	Screens worn and need to be replaced to keep fish from escaping rearing units
	Main Building PVC Effluent Drainpipes	\$30,000	Drainpipes corroded and leaking
Umatilla – ODFW/CTUIR			
Westland Irrigation	Adult/Juvenile facility	\$19,000	Replacement of 2 Adult/juvenile pond structure, pump back bay belt screen chains
	Adult Trap	\$3,125	Protective netting

Chief Joseph*- CCT			
Riverside Acclimation	Process Water Well (#1)	\$25,000	replace pump - well cfm doesn't meet gpm needs
	Cone Screen W/Brush clean System (#2)	\$10,000	System overhaul
	Cone Screen Brush Drive System (#3)	\$15,000	Replace drive motors
Snake River Sockeye Propagation - IDFG			
Eagle	50 HP SUBMERSIBLE MOTOR AND CONTROLS	\$20,000	Replace 50HP submersible pump, motor and controls. Current pump and motor were refurbished from Well #3 – past life expectancy
Hood River Production Program - CTWSRO			
Parkdale	Residence roof	\$17,000	Replace original roof on residence 1
	Adult Holding Ponds need re- painting,	\$30,000	Paint is failing. 5 years over life expectancy.
Total		\$268,620	

More Info:

- Resource maps for the Fish and Wildlife Program's [Hatcheries](#), [Screens](#) and [Lands](#).
- [2014 Fish and Wildlife Program](#) (Part Six, Section II, page 114; and Appendix P, Maintenance of Fish and Wildlife Program Investments, page 199).