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June 3, 2025

MEMORANDUM

TO: Council Members

FROM: Mark Fritsch

SUBJECT: Update and status of Asset Management Strategic Plan recommendations for Program hatcheries and fish screens

BACKGROUND:

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

Summary: Council and Bonneville staff will provide an overview of the [Asset Management Strategic Plan](#) (Plan) recommendations to be implemented by the end of FY 2027. The Plan is guided by the Asset Management Subcommittee (Subcommittee)¹ and complements Bonneville's strategic asset management plans (SAMPs) to address non-recurring maintenance needs for past fish and wildlife investments for Program hatcheries and screens. Staff will provide a brief update on the implementation of the recommended actions addressing non-recurring maintenance priorities for hatcheries and screens as requested by members earlier this year. These actions utilize funding made available from the FY 2022 and 2023 reserves distribution clause (RDC) funds.

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

¹ Represented by Council member Ed Schriever and Jason Sweet (Executive Manager, Fish and Wildlife Division, Bonneville).

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 screens, and mitigation lands to ensure longevity and integrity of the Program's past investments made for the benefit of fish and wildlife². The Plan was approved by the Council on October 10, 2018.

Workplan: Fish and Wildlife Division work plan 2025; Program Implementation, Council's Asset Management Strategic Plan.

Background: In anticipation of FY2026 needs and with the support of additional funds for nonrecurring maintenance, a Subcommittee meeting was held on September 28, 2024. Bonneville was able to allocate \$19 million from FY23 RDC funds that would be available to supplement the Program's screen programs, similar to how they were used for the Program's hatcheries in 2023. To ensure these funds can be implemented by the end of FY 2027, and to take advantage of the anticipated assessments at the screen fabrication shops³, it was necessary to initiate the annual process earlier than usual.

As part of the Subcommittee discussion, it was confirmed that the FY 2022 RDC funds approved by the Council on June 14, 2023, for non-routine hatchery maintenance, will continue to be implemented and address the needs of the Program's hatcheries (Table 1).

In early October 2024, staff sent notices to the Program's screen managers requesting nonrecurring maintenance, facility, and equipment priorities for FY 2025 – FY 2027. In November and December, staff reviewed the priorities submitted by the managers, and on December 6, 2024, presented the information to the Subcommittee.

Nearly \$30 million in requests were received from the screen managers for IDFG, ODFW, WDFW, MTFWP, and CTUIR for the FY 2023 RDC funds. This amount included seasonal staff time for implementation, grant cost-share funds, and a geographic expansion for new screens totaling \$9,240,151. These requests fell outside the intended use of funds for non-recurring maintenance but highlighted potential options for future funding.

² The Asset Management Strategic Plan was developed in the following 4 phases for the Program's past investments (Phase 1: Asset Inventory; Phase 2: Condition Assessment; Phase 3: Prioritization and Phase 4: Strategic Planning).

³ As part of the FY 2025 recommendation the Subcommittee (April 2024) requested that an independent assessment of the Program's five screen fabrication facilities be conducted. It is anticipated that the assessments will be completed by the end of the third quarter of FY 2025.

During the December 6, 2024, Subcommittee meeting, the \$19 million allocation was discussed. Staff presented the information received from the managers by category and priority. The Subcommittee agreed that the highest priority should be the fish screens and materials followed by facility and equipment needs (e.g., repair, replacements and additions).

To ensure effective cost management of the allocation and to utilize the information from the screen shop assessments the funding for the facilities and equipment would be held until the completion of the facility condition assessments. Once these needs are confirmed, the contracts will be amended to include funds for facility needs and equipment. This approach would allow for verification of the estimates received regarding the facility updates and equipment replacement. This refinement of some facility and equipment needs and costs will assist in addressing as many of the high priority items received as possible. In addition, this approach would allow for contracting to be awarded for the screens (which typically have a longer procurement timeline for completion) and screen materials. The remaining balance of the allocation (\$2.5 million) will be held as a contingency to cover higher than expected costs due to inflation and other unanticipated costs and will be awarded in a timely manner to ensure the allocation is spent by the end of FY 2027.

Based on the above the Asset Management Subcommittee requested \$16,570,007 with a contingency of \$2,429,993, totaling \$19 million, for nonrecurring maintenance funding for the Fish and Wildlife Program (Program) fish screens for FY2025 through FY2027. The Council, On January 13, 2025, supported the recommendation of the Subcommittee (Table 2).

Table 1: Fiscal Year 2022 RDC update for priority actions for fish hatcheries (FY2024 through FY2027).

Sponsor	Award Value	Anticipated Contract Amendments
Colville Tribe	\$1,701,089	-
IDFG	\$931,441	-
MFWP	\$12,026	-
Nez Perce Tribe	\$2,005,535	\$5,000,000
Spokane Tribe	\$1,171,995	-
Westland Irrigation District	\$336,470	-
Yakama Nation	\$569,316	\$300,000
CTUIR	\$3,404,540	-
Warm Springs Tribe	\$262,524	-
Kootenai Tribe	\$2,364,189	\$1,000,000
WDFW	\$403,661	-
ODFW	\$4,550,000	-
Engineering for Chiller support	\$500,000	-

Total	\$24,512,786
FY22 F&W RDC Allocation	\$25,000,000
Delta	\$487,214

Table 2: Nonrecurring maintenance needs for the Fish and Wildlife Program's screens, fabrication facilities and equipment priorities. These requests will be implemented from FY 2025 through FY 2027, as supported by the Asset Management Subcommittee and Council.

Entity	Category	Description (examples)	Request	Recommended	Contract Status
IDFG					
	Screens	2 complete replacements	\$3,610,000	\$3,610,000	In Progress, 8/1/25 start
	Materials	Perf plate, angle steel, gear boxes etc.	\$100,000	\$100,000	
	Facilities	Additions. office refurbishment, enclosures	\$1,827,500	\$1,455,000	
	Equipment	Dump truck, pinch roller, compressor, snowplow, etc.	\$398,125	\$342,850	
	Total for IDFG		\$5,935,625	\$5,507,850	
ODFW					
	Screens	4 complete replacements, 1 component upgrades	\$490,000	\$490,000	Completed. 6/1/25 start. Sent to ODFW 5/21/25 for signature.
	Materials	Perf plate, steel, bearings etc.	\$1,300,000	\$1,300,000	
	Facilities	Paving, office refurbishment, HVAC, etc.	\$1,425,000	\$670,000	
	Equipment	Dump truck, skid steer, plasma table, band saw, etc.	\$2,239,000	\$1,425,000	
	Other ⁴	NA	\$4,025,405	\$0	
	Total for ODFW		\$9,479,405	\$3,885,000	
WDFW					
	Screens	5 complete replacements	\$2,190,077	\$2,190,077	Completed. 6/1/25 start. Sent to WDFW 5/22/25 for signature.
	Materials	Perf plate, tubing, screen cloth, gear boxes, etc.	\$213,980	\$213,980	
	Facilities	Shop additions	\$2,200,000	\$1,725,000	
	Equipment	Boom truck, flatbed, trailers, lathe etc.	\$2,821,900	\$1,908,100	
	Total for WDFW		\$7,425,957	\$6,037,157	
MFWP ⁵					
	Screens	New and replacements in the Clark Fork	\$5,214,746	\$0	NA
	Materials	NA	\$0	\$0	
	Equipment	NA	\$0	\$0	
	Total for MFWP		\$5,214,746	\$0	
CTUIR					
	Screens	3 complete replacements, 6 repairs	\$1,140,000	\$1,140,000	In Progress, 8/1/25 start
	Materials	NA	\$0	\$0	
	Equipment	NA	\$0	\$0	
	Total for CTUIR		\$1,140,000	\$1,140,000	
Total \$29,195,733				\$16,570,007	
FY 2023 RDC Allocation				\$19,000.000	
Contingency				\$2,429,993	

⁴ ODFW request includes \$2,025,405 in salaries for seasonal help, and \$2,000,000 grant funds for cost sharing.

⁵ MTFWP request was outside the geographic scope of their ongoing projects and include critical needs for Clark Fork Subbasin. It is important to note that Montana has no dedicated fish screen funding or state-run screening shops to design, implement, install, or maintain fish screens. Implementation of projects typically requires non-governmental organizations to lead efforts. To date, the Program's efforts to address fish screening needs have been in the Kootenai and Flathead subbasins focusing on native Westslope Cutthroat Trout and Bull Trout.

Asset Management Update and Status for FY 2025 – FY 2027 Recommended Actions

June 2025

Asset Management Strategic Plan and Strategic Asset Management Program

NPCC Asset Management Strategic Plan (Plan) approved 2018

- Address non-recurring maintenance needs to ensure the longevity and integrity of the Program's past investments made for the benefit of fish and wildlife (hatcheries, fish screens, lands)
- Implementation is guided by the Asset Management Subcommittee
- Phased development
- Dependent on condition assessments (independent engineers and facility managers) and priority needs
- Annual Process to inform upcoming start-of-year budgets - altered by RDC and BP24 (IPR) timeframes

BPA Strategic Asset Management Plans (SAMPs)

- Updated biennially to support the Integrated Program Review (IPR) cycle
- Convert the objectives of the agency strategic plan and asset management policy into a long-term strategic approach to managing asset systems
- Describes long-term objectives and strategies, asset criticality, risk assessments

Reserves Distribution Clause (RDC) and BP24 (IPR)

RDC Funds

- FY22 RDC - \$50M allocated to address non-recurring maintenance needs at LSRCP (\$25M) and Program (\$25M) hatcheries for FY24 - FY27
- FY23 RDC - \$19M allocated to address non-recurring maintenance for Program screens for FY25 - FY27

BP24 Funds

- Rate case funds from BP24 were identified and used in FY24 (\$1.6M) and FY25 (\$1.8M) to address non-recurring maintenance for Program screens

FY 2023 RDC Fish Screens Update

- In January 2025, based on Subcommittee recommendation, the Council recommended screens, fabrication facilities and equipment priorities (FY2025 to FY2027)

Entity	Descriptions	Request	Recommended
IDFG			
	<u>Screens</u> : Complete replacement of 2 screens	\$3,610,000	\$3,610,000
	<u>Materials</u> : perforated plate, steel, gear boxes, and etc.	\$100,000	\$100,000
	<u>Facilities</u> : shop additions and enclosures, office updates, and etc.	\$1,827,500	\$1,455,000
	<u>Equipment</u> : dump truck, pinch roller, compressor, snow plow, and etc.	\$398,125	\$342,850
	Total for IDFG		\$5,507,850

FY 2023 RDC Fish Screens Update (cont.)

Entity	Description	Request	Recommended
ODFW			
	<u>Screens</u> : Complete replacement of 4 screens	\$490,000	\$490,000
	<u>Materials</u> : perforated plate, steel, bearings, and etc.	\$1,300,000	\$1,300,000
	<u>Facilities</u> : 3 fabrication shops - paving, office updates, HVAC, and etc.	\$1,425,000	\$670,000
	<u>Equipment</u> : dump truck, skid steer, plasma table, band saw, and etc.	\$2,239,000	\$1,425,000
	Total for ODFW		\$3,885,000

FY 2023 RDC Fish Screens Update (cont.)

Entity	Description	Request	Recommended
WDFW			
	<u>Screens</u> : Complete replacement of 5 screens	\$2,190,077	\$2,190,077
	<u>Materials</u> : perforated plate, tubing, screen cloth, gear boxes, and etc.	\$213,980	\$213,980
	<u>Facilities</u> : shop addition	\$2,200,000	\$1,1725,000
	<u>Equipment</u> : boom truck, flatbed. Trailers, lathe, and etc.	\$2,821,900	\$1,908,100
	Total for WDFW		\$6,037,157

FY 2023 RDC Fish Screens Update (cont.)

Entity	Description	Request	Recommended
CTUIR			
	<u>Screens</u> : Complete replacement of 3 screens, and repairs to 6 others	\$1,140,000	\$1,140,000
	Total for CTUIR		\$1,140,000

2025 Condition Assessment Screen Fabrication Shops

- Subcommittee recommended, April 2024, an independent assessment of the Program's five screen fabrication facilities in FY 2025 – modeled after the assessments conducted at the hatcheries
- Information from assessments to inform repair, replacement and additions
- The Subcommittee's highest priority of implementation is for screens and materials followed by facility and equipment needs
- Goal is to address essential and beneficial needs in priority order
- Exercise cost management for verification of estimates regarding facility and equipment needs (i.e., contingency)

RDC - Hatcheries Update

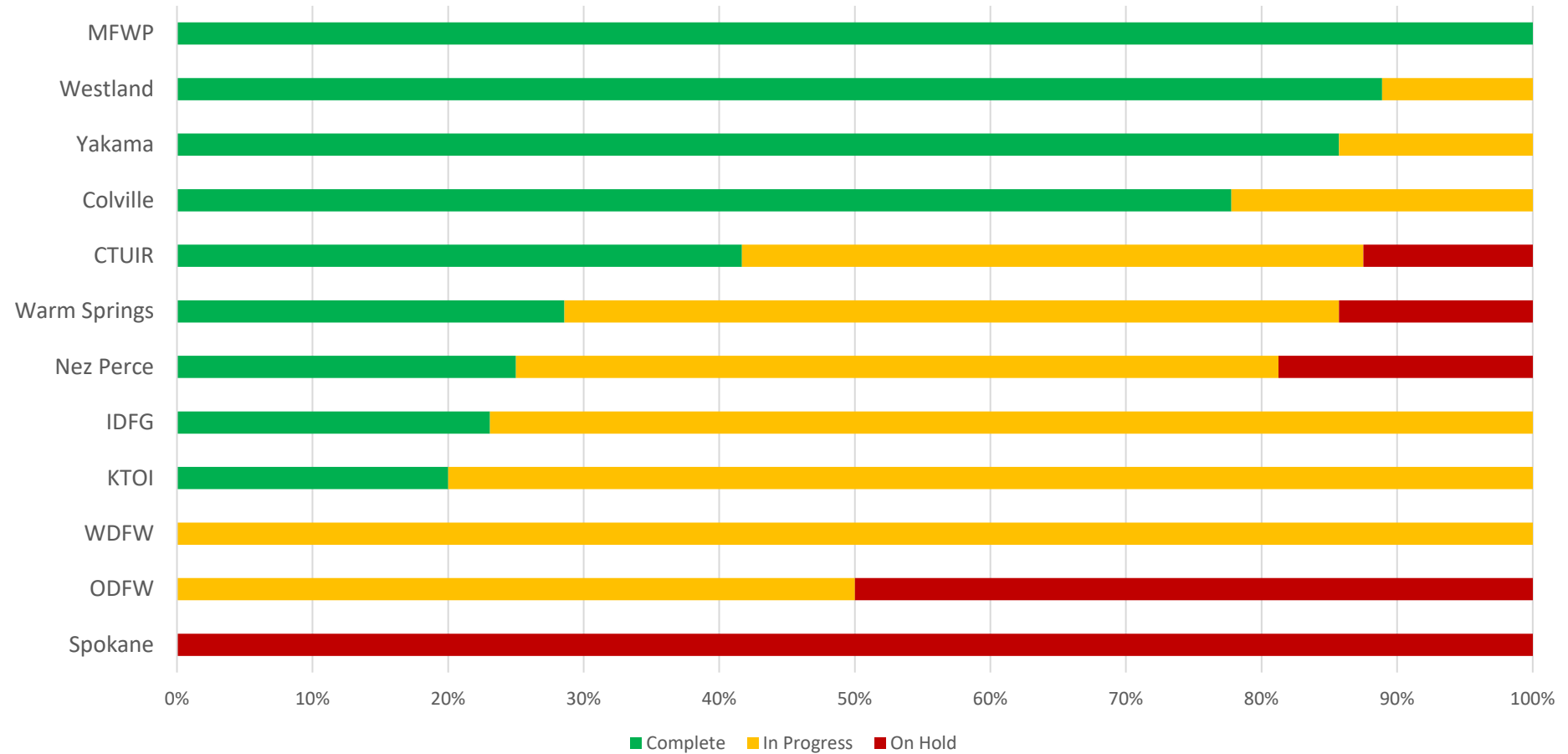
- 13 individual awards, one per entity
- 98% of available funding is scheduled
- In total, 38% of work complete, 46% in progress, 15% on hold

Awardee	Status	Award Value	Anticipated Amendments
Colville Tribe	Awarded	\$1,701,089	\$ -
IDFG	Awarded	\$931,441	\$ -
MFWP	Closed Out	\$12,026	\$ -
Nez Perce Tribe	Awarded	\$1,556,256	\$5,500,000
Spokane Tribe	Awarded	\$1,171,995	\$ -
Westland Irrigation District	Awarded	\$336,470	\$ -
Yakama Nation	Awarded	\$569,316	\$300,000
CTUIR	Awarded	\$3,404,540	\$ -
Warm Springs Tribe	Awarded	\$262,524	\$ -
Kootenai Tribe	Awarded	\$2,364,189	\$1,000,000
WDFW	Awarded	\$403,661	\$ -
ODFW	Awarded	\$4,550,000	\$ -
Alaska Energy (chiller support)	In Development	\$500,000	\$ -

Total	\$24,563,507
FY22 F&W RDC Allocation	\$25,000,000
Delta	\$436,493

RDC - Hatcheries Update

Work Element Status for RDC Awards



MRS Coho Hatchery Effluent Clarifier





Chief Joseph Hatchery Adult Ponds



Program	2024	2023	2022	2021	2020	2019	2018	2017
INT Summer Brood	92.4%	73.6%	77.4%	75.4%	79.3%	95.8%	72.5%	62.6%
SEG Summe Brood	90.7%	77.1%	71.8%	72.2%	81.2%	89.7%	66.0%	79.0%



Imtwaha Hatchery Headtank Insulation



Threemile Dam Adult Holding Intake Pumps



Threemile Dam Generator

Thornhollow and Pendleton Generators & ATS



Westland Irrigation District



Westland Irrigation District



Nez Perce Tribal Hatchery Chiller

