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March 31, 2015

MEMORANDUM

TO: Council members

FROM: Council staff

SUBJECT: Update on O&M strategic plan

BACKGROUND:

Presenter: Mark Fritsch and Jeff Allen

Summary: Council staff will present an update on the progress made by the Fish and Wildlife Committee regarding the development of the O&M strategic plan.

Relevance As part of the Program implementation, an investment strategy is outlined (Part Six; Section II, and Appendix P). Within this strategy long-term maintenance of past investments was prioritized as the highest Program priorities.

Workplan: This work is being tracked in the annual Fish and Wildlife Work Plan and the Council's Annual Work plan, Section 2b (Priority Objective 2, Action B, Sub-action *Long-term O&M inventory priorities*).

Background: Since the adoption of the 2014 F&W Program in October 2014, the Council staff (State and Central) has been working with the O&M Sub-Committee, Independent Economic Analysis Board (IEAB), Bonneville staff, and Fish Screening Oversight Committee(FSOC) to develop a long-term O&M strategic plan to ensure the longevity and integrity of the Programs past investments. The strategic plan was presented to the Fish and Wildlife Committee (Committee) at their January 2015 meeting.

During this Committee meeting, the Committee also deliberated on the history, categories, and needs associated with a long-term O&M strategic plan to protect the Program investments made for the benefit fish and wildlife.

The Committee requested that an update be provided to the full Council on the ongoing efforts and current direction of the strategic plan.

O&M Strategic Plan

Categories

1. Screens and diversions:
 - a. Development of an inventory:
 - i. FSOC was asked to develop a screen inventory as part of the Geographic Review in 2013. Received initial inventory in mid January 2015.
 - b. Assessment complications
 - i. Difference in complexity of the facilities found in this category which complicates the assessment. Further definition and assessment is underway.
 - c. Initial effort
 - i. The current review will focus on existing screens and diversions.
 - d. Future O&M
 - i. The Council will consider a mechanism for putting O&M in place for future screens and diversions at the time an asset is considered and built.
2. Hatcheries, fishways and traps:
 - a. Defining and initiating an assessment.
 - i. Additional definition for this category is needed. Initial effort will focus on the 15 direct Program hatcheries. Will rely on Bonneville's project managers and the state and tribal project leads will assist in the inventory and assessment.
3. Lands:
 - a. Lands will continue to be monitored by the Council, with O&M needs funded by Bonneville until settlement agreements are reached.
4. Budget Oversight Group (BOG):
 - a. Will continue to be used to address natural events, emergencies and miscellaneous needs

Asset Management Program

This framework is intended to provide a mechanism to achieve a long-term maintenance, rehabilitation, and replacement plan for Program investments. The approach is based on similar

assessment processes Bonneville uses for the maintenance of transmission and hydro facility assets.

- a. Phase 1: Asset Inventory
 - i. Shared understanding of definitions (O&M, non-recurring maintenance, etc.)
 - ii. Standardized data
 - iii. Clarity on roles and responsibilities
- b. Phase 2: Condition Assessment
 - i. Safety – compliance – condition
- c. Phase 3: Prioritization
 - i. Program criticality and condition
- d. Phase 4: Strategic Planning
 - i. Planning – funding – transition

Timelines

The O&M Sub-Committee is currently working with the FSOC regarding the screens inventory. An initial inventory (Phase 1) with provisional condition assessment (Phase 2) has been completed, but requires further definition and standardization. Meetings will be held with FSOC members to continue refining the asset inventory in April. Due to earlier than anticipated irrigation season, it is anticipated that the inventory and condition assessment can be completed by July 2015.

The Phase 1 inventory associated with the hatchery category has been initiated by Bonneville. This initial inventory with existing data will be completed in spring 2015. However, further work associated with definitions, data standardization, and condition assessment (Phase 2) will be needed. The Sub-Committee will be working with Bonneville's Project Managers and the hatchery managers to identify long-term O&M needs. It is anticipated that a letter will be distribute by May to the managers of the direct Programs hatcheries.

Bonneville has an ongoing effort to inventory lands and address compliance issues. The O&M sub-committee will monitor Bonneville's efforts and review their completed inventory by mid-summer.

Miscellaneous

As the O&M Sub-Committee works through the development of the O&M strategic plan, several issues have been identified, that need to be further discussed., tracked, or possibly incorporated into the final strategic plan, including:

1. The importance of regular maintenance
2. Public and fish and wildlife manager review
3. Link to the Principles of the Program

4. New facilities will need to address the outcomes and be incorporated into the long-term strategic plan.
5. The inherent overlap with the principles embedded in the cost saving and adaptive management sections of the recently adopted Fish and Wildlife Program
6. Incorporation of decommissioning costs as part of the long-term plan
7. Need to identify the party or parties responsible for O&M
8. Legal discussion/obligation for Bonneville to pay the O&M, and the Importance to initiate shifting the responsibility if appropriate

More Info:

- [2014 F&W Program](#) (Part Six, Section II, page 114; and Appendix P, Maintenance of Fish and Wildlife Program Investments, page 199).
- <http://www.nwcouncil.org/media/7148580/f8.pdf> - December 2014 Fish and Wildlife Committee packet memo regarding *O&M long-term funding strategy framework*.
- <http://www.nwcouncil.org/media/7148646/f2.pdf> - January 2015 Fish and Wildlife Committee packet memo regarding *Update on O&M regional process letter*.
- <http://www.nwcouncil.org/media/7148795/f4.pdf> - February 2015 Fish and Wildlife Committee packet memo regarding *Update on O&M regional process letter*.