

EWEB Board Consent Calendar Request

For Contract Awards, Renewals, and Increases

The Board is being asked to approve a Personal Services Agreement (Engineering) with **Cornforth Consultants, Inc.** for a risk informed alternatives analysis.

Board Meeting Date: February 4, 2020

Project Name/Contract #: Dam Safety Risk Informed Alternatives Analysis / #19-165-Q

Primary Contact: Rod Price Ext. 7122

Contract Amount:

Original Contract Amount: \$ 1,000,000

Additional \$ Previously Approved: \$ 0

Invoices over last approval: \$ 0

Percentage over last approval: 0 %

Amount this Request: \$ 1,000,000

Resulting Cumulative Total: \$ 1,000,000

Contracting Method:

Method of Solicitation: Formal RFP process

If applicable, basis for exemption: n/a

Term of Agreement: Up to five years

Option to Renew? Yes

Approval for purchases "as needed" for the life of the contract No

Proposals/Bids Received (Range): 5 (Cost not available; QBS process)

Selection Basis: Qualification Based Selection (QBS)

Narrative:

Operational Requirement and Alignment with Strategic Plan

The Board is being asked to approve a new Personal Services Agreement with Cornforth Consultants of Portland, OR for the purchase of engineering and related services for a dam safety risk-informed analysis of EWEB's high hazard hydroelectric facilities. This analysis will provide the basis for a prioritized capital improvement plan as recommended in the 2019 Owner's Dam Safety Program audit that was performed by the Association of State Dam Safety Official (ASDSO) peer review team at the request of the Federal Energy Regulatory Commission's Portland Regional Office (FERC-PRO).

Contracted Goods or Services

The efficient use of limited capital investment funds at EWEB's high hazard hydroelectric projects requires a solid understanding of the various existing dam safety risks so that competing improvement projects can be prioritized for implementation in a manner that will achieve the greatest amount of risk reduction over the shortest amount of time, within available budgets. The consulting services provided as part of this project will include application of FERC's risk-informed decision making guidelines to comprehensively characterize dam safety risks (estimated probabilities and consequences), develop alternative risk mitigation strategies, estimate capital improvement costs, and recommend project priorities. The services will also include assisting EWEB in resolution of critical information gaps affecting risk estimates, facilitating the involvement of FERC dam safety staff in risk determinations, and documenting the risk assessment protocols/rationales as necessary to answer future questions that arise due to new information or regulatory changes.

EWEB plans to phase implementation of this project by focusing attention on one hydroelectric facility at a time, moving from our highest risk operations to the lower risk operations over time. The consultant will start by focusing

the risk analysis on the Leaburg Canal (currently out of service due to excessive seepage/active internal erosion conditions at several locations). EWEB expects that there will be a number of lessons learned from the initial efforts (technical, economic, regulatory, social/political, environmental, etc.) which will ease subsequent phases of work. EWEB expects to benefit from the Cornforth consulting team's experience working with FERC on similar risk-informed decision making processes. Even so there are many unique aspects to EWEB's McKenzie hydroelectric projects which are complex and warrant a phased implementation approach with the effort to be determined for each task.

Prior Contract Activities

19-174-Q	Walterville Forebay Wall Stability Analysis	\$20,000	November 2019
19-154-Q	Leaburg Canal Emergency Seepage Repair Design	\$33,700	October 2019
19-2754Q	Landslide Potential Analysis	\$27,700	March 2019
18-2732Q	Leaburg Canal Seepage Mitigation	\$426,000	December 2018

All projects were completed on time and on budget or remain in progress and are expected to be on time and on budget.

Purchasing Process

In October 2019, in accordance with public contracting rules, EWEB initiated a Request for Proposals (RFP) using the Qualifications Based Selection (QBS) process for engineering services. All firms were qualified and the two highest scoring firms, HDR and Cornforth Consultants were invited to participate in interviews. Criteria scored included Corporate Project Experience, Project Approach, Project Team Qualifications & Experience, and Project Management Strategy. After interviews were conducted, Cornforth was selected as the most qualified consultant, consistent with the evaluation criteria.

The proposed contract structure is a Master Services Agreement and subsequent, individually negotiated task orders will be issued. Identified major work tasks (Task Orders) will include:

1. Leaburg Project Risk-Based Alternatives Analysis (\$600,000)
2. Walterville Project Risk-Based Alternatives Analysis (\$400,000)
3. Carmen-Smith Risk-Based Alternatives Analysis (TBD)

The work for each risk assessment task will be phased to allow for feedback from FERC and other key internal/external stakeholders at intermediate milestones in an effort to ease ultimate concurrence on the final results. These intermediate check-ins may necessitate additional small analysis tasks that are necessary to build concurrence.

Bidder/Proposer Information

Cornforth Consultants
 HDR
 Schnabel
 Black & Veatch
 Jacobs

Bidder/Proposer Location

Portland, OR
 Portland, OR
 Seattle, WA
 Eugene, OR
 Corvallis, OR

Competitive Fair Price (if less than 3 responses received)

Not applicable

ACTION REQUESTED:

Management requests the Board approve a Personal Services Agreement with **Cornforth Consultants, Inc.** for a risk informed alternatives analysis. Approximately \$600,000 is planned for this work in 2020, the budget for Energy O&M activities in 2020 is \$19.3 million. A budget variance will be requested within the budget process and Board policy for excess cost above the original budget for dam safety consulting support.