

## **EWEB Board Consent Calendar Request**

*For Contract Awards, Renewals, and Increases*

The Board is being asked to approve a contract amendment with Cornforth Consultants for engineering services.

Board Meeting Date: 9/3/2019

Project Name/Contract #: Leaburg Canal Emergency Design / 18-2732Q

Primary Contact: Susan Ackerman Ext.7185

### **Contract Amount:**

Original Contract Amount: \$208,000

Additional \$ Previously Approved: \$0

Invoices over last approval: \$0

Percentage over last approval: 0%

Amount this Request: \$218,000

**Resulting Cumulative Total:** \$426,000

### **Contracting Method:**

Method of Solicitation: Direct Negotiation

If applicable, basis for exemption: Sole Source – Emergency Declaration SS-375 on 11/21/18

Term of Agreement: December 26, 2018 to December 31, 2020

Option to Renew? No

Approval for purchases “as needed” for the life of the Contract Yes ☐ No ☒

Proposals/Bids Received (Range): N/A

Selection Basis: N/A

### **Narrative:**

#### Operational Requirement and Alignment with Strategic Plan

EWEB ceased power generation at the Leaburg Power Plant and commenced a drawdown of Leaburg Canal on October 10, 2018 in response to indications of internal erosion within the canal embankment near Cogswell Creek. This project involves geotechnical investigations and engineering analyses to define a repair approach that is capable of returning the canal to safe operation.

#### Contracted Goods or Services

This consent item requests Board approval of a contract amendment that procures a second phase of expert consulting engineering services to identify the most cost effective solution available for returning the Leaburg Canal to safe and reliable service. The original contract provided for conceptual design work and subsurface investigations near Cogswell Creek.

Findings from the subsurface investigations that were completed in April 2019 revealed that there are seismic stability issues requiring analysis along with the internal erosion issues. In addition, a second location on the canal showing indications of internal erosion was discovered adjacent to the town of Leaburg during a major storm event in April 2019. The April storm also demonstrated that internal erosion problems at both areas could deteriorate when heavy stormwater flows are conveyed through canal from tributary creeks.

This second phase of work by Cornforth includes detailed seismic analyses and additional geophysical field work to support those analyses.

#### Prior Contract Activities

To expedite resolution of the Leaburg Canal outage and minimize lost generation revenue, EWEB issued an emergency declaration on November 21, 2018 to contract with Cornforth Consultants for the development of a subsurface investigation plan and repair design. Cornforth Consultants prepared a drilling program plan that was

eventually approved by the FERC in March 2019. Cornforth Consultants also developed a conceptual repair for FERC review, provided onsite geotechnical engineering oversight for the drilling work, and documented the field investigation results in a geological report that EWEB submitted for FERC review as part of the first phase of work.

The ultimate cost and schedule for these engineering services is dependent on the results of seismic analyses included in this second phase of work. The results will influence the feasibility and cost-effectiveness of the repair options that are available to EWEB for returning the canal to service. These results will also inform a higher level evaluation of EWEB's long term options for the Leaburg Project.

#### Purchasing Process

EWEB plans to expand the scope of the original contract with Cornforth Consultants to perform follow-up engineering services, benefitting from the consultants' considerable history and knowledge gained from their work to date. This contract amendment for the next phase of analysis will be the most cost effective and time efficient approach. Our continued work with Cornforth will also ensure continuity in our coordination with the FERC on obtaining their approvals for the path forward.

#### Bidder/Proposer Information

NA

#### Bidder/Proposer Location

NA

#### Competitive Fair Price (If less than 3 responses received)

EWEB staff have worked with Cornforth Consultants to negotiate the level of effort and pricing to ensure that their proposal is appropriate for the necessary scope of work. The proposal reflects the value of their prior work to move forward in a timely and cost effective manner. Cornforth's work efficiency and adherence to budget/schedule constraints has been good to date.

#### **ACTION REQUESTED:**

Management requests the Board approve a contract amendment with Cornforth Consultants for engineering services. This unplanned, emergent work is being covered by underspending on other EWEB projects and contingency funds in 2019. Approximately \$2 million is allocated in the Generation Type 1 & 2 2020 capital budget for Leaburg Canal design and repairs, the total Generation Type 1 & 2 Capital budget for 2020 is expected to be \$4.55 million. Variances will be managed within the budget process and Board policy.