

EWEB Board Consent Calendar Request

For Contract Awards, Renewals, and Increases

The Board is being asked to authorize EWEB’s General Manager Frank Lawson to approve a contract, with specific progressive milestones, with **Carpi USA, Inc.** for the **Provision of a Liner at the Walterville Canal Forebay at EWEB’s Leaburg-Walterville Project.**

Board Meeting Date:	November 12, 2024	
Project Name/Contract #:	Walterville Canal Forebay Liner	
Manager:	Lisa Krentz	Ext. 7450
Executive Officer:	Karen Kelley	Ext. 7153

Contract Amount:

Original Contract Amount:	\$3,000,000
Additional \$ Previously Approved:	\$0
Spend over last approval:	\$0
Amount this Request:	\$3,000,000
% Increase over last approval:	NA
Resulting Cumulative Total:	\$3,000,000

Contracting Method:

Method of Solicitation:	Sole Source (SS-495)
If applicable, basis for exemption:	NA
Term of Agreement:	Completion Date is September 15, 2025
Option to Renew?	No
Approval for purchases “as needed”:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Proposals/Bids Received (Range):	NA
Selection Basis:	Carpi USA is only qualified vendor (Sole Source)

Narrative:

Operational Requirement and Alignment with Strategic Plan

In February 2024, a known seepage flow that has been under close surveillance at the Walterville Canal forebay spiked from approximately 30 gpm (gallons per minute) to over 100 gpm in less than one hour. The seepage flow was temporarily turbid, indicating the potential for internal erosion within the canal embankment. Operations staff immediately intervened by lowering the water level in the forebay, essentially eliminating the seepage flow. Since this incident, the canal has remained out of service and, per an Order issued by the FERC Division of Dam Safety and Inspections, must remain so until the seepage issue can be resolved. Repairing the Walterville Forebay is critical to re-starting power generation operations and maintaining safe and reliable operations of the canal in alignment with EWEB’s strategic objectives.

EWEB has been working with consulting engineers to evaluate repair options. All liner strategies that are typical for large scale civil projects were considered, including:

- Flexible Liners -
 - Flexible Polyvinyl Chloride (PVC)

Bituminous (Asphaltic) Geomembranes
High-Density Polyethylene (HDPE) liners
Rigid Liners -
Shotcrete Liner, lightly reinforced
Shotcrete Liner, heavily reinforced

As indicated in the October 2024 Board correspondence memorandum regarding the Walterville forebay repair, a flexible PVC geomembrane was found to be the best option, both in terms of performance and cost.

Contracted Goods or Services

If approved, Carpi USA will perform the following services:

Design Work

- Existing documentation review
- Design of forebay site preparation for liner installation
- Design of the residual canal flow bypass system
- Design of liner and liner underdrain system
- Plans and specifications for FERC review and approval

Construction

- Residual canal flow bypass system installation and operation
- Surface preparation of forebay area as needed for liner installation
- Construction of liner underdrain system
- Supply and installation of Carpi geomembrane liner

Purchasing Process

The Sole Source purchasing process will be used for this contract. Pursuant to ORS 279B.075 and EWEB Rule 3-0275, Carpi USA is the only vendor capable of providing a liner system that meets the technical, schedule, and regulatory requirements for this project. Other liner manufacturers were evaluated, but none were able to meet the full scope of EWEB's needs, particularly in terms of adaptability to future embankment modifications and the ability to deliver within the required timeframe. In this case, the need for a proven product that can interface with existing infrastructure makes Carpi USA the only viable source for this project. Furthermore, their established record of FERC compliance and successful installation history makes them uniquely qualified to address the complex needs of the Walterville Canal. Utilizing Carpi and Carpi subcontractors for the surface preparation civil works and liner installation will streamline the construction process and improve the work product quality.

Due to uncertainties regarding FERC requirements for the necessary extent of repairs at the forebay, EWEB plans to authorize implementation of the contracted work in an incremental manner. EWEB will initially authorize Carpi to perform only the design during the first phase of work. Following favorable feedback from the FERC regarding the adequacy of the repair design, EWEB would authorize Carpi to proceed with manufacturing of the liner system as a second phase of work. Finally, EWEB would authorize Carpi to mobilize for the construction phase of work following receipt of final FERC approvals.

Bids Received

The final scope of work is currently under refinement and EWEB is direct negotiating contract terms with Carpi.

Prior Contract Activities

None. This is a new vendor for EWEB.

ACTION REQUESTED:

With the Walterville Powerhouse currently out of service, time is of the essence to implement the repair work and

return the canal to service for power generation. A detailed scope of work and contract requirements is currently under development. To minimize potential delays due to Board meeting scheduling, management requests that the Board authorize EWEB's General Manager Frank Lawson to approve a contract with Carpi USA up to \$3,000,000 for design and construction services related to the installation of a new geomembrane liner at the Walterville Forebay. Since the forebay leak developed in Q1 of 2024, staff were able to add \$3.6 million for an emergent Type 2 project to the 2025 Capital Improvement Plan as part of the normal CIP updating process. The 2025 Type 2 Electric Capital budget totals approximately \$28 million. Variances will be managed within the budget process and Board policy.

BUDGET CATEGORY: Electric Type 2 – Rehabilitation & Expansion, Infrastructure - Generation