

EWEB Board Consent Calendar Request

For Contract Awards, Renewals, and Increases

The Board is being asked to approve an information technology service agreement with **Olsson Industrial Electric, Inc.** for **Engineering Consulting and Integration Services for the Upgrade of the Water Supervisory Control and Data Acquisition (SCADA) System.**

Board Meeting Date: June 7, 2022
Project Name/Contract #: Water SCADA Upgrade Project / 22-015-PSC
Primary Contact: Karen Kelley Ext. 7153

Contract Amount:

Original Contract Amount: \$870,000
Additional \$ Previously Approved: \$0
Invoices over last approval: \$0
Amount this Request: \$870,000
Percentage over last approval: NA
Resulting Cumulative Total: **\$870,000**

Contracting Method:

Method of Solicitation: Formal Request for Proposal (RFP)
If applicable, basis for exemption: NA
Term of Agreement: One-Time
Option to Renew? No
Approval for purchases *"as needed"*
for the life of the Contract: Yes No
Proposals/Bids Received (Range): 4 (\$390,470 - \$1,598,593)
Selection Basis: Highest Ranked Proposer
Narrative:

Operational Requirement and Alignment with Strategic Plan

A suite of systems is required for the operation of EWEB's water system and to meet reliability, water quality and reporting requirements. These include a newer historian, a tool that stores and logs the data of the SCADA system, for enhanced regulatory documentation and reporting and an operator interface to control the water system and provide data to the historian.

The existing operator interface is built on an out-of-date SCADA platform originally installed in 1985 and while the system has been updated, it consists of two separate systems, one for EWEB's distribution system and one for the Hayden Bridge Filtration Plant. These discrete systems limit operator and system capabilities both with respect to operations and record keeping.

Through two previous projects, EWEB has vetted and deployed Ignition by Inductive Automation as the SCADA platform of choice moving forward.

This project will replace the existing legacy SCADA systems with Ignition on both the Treatment and Distribution sides of the process, allowing users of the new Ignition application unified access through one SCADA project to the entire water system. The new system also allows for full utilization of EWEB’s historian, enhancing documentation and regulatory reporting. This project aligns with the Strategic Plan by both replacing a legacy system and ensuring continued compliant drinking water delivery and regulatory reporting.

Contracted Goods or Services

If approved, Olsson Industrial Electric will provide engineering consulting and integration services, to plan, design, test, execute, and document the Water SCADA Upgrade Project. This project will take a SCADA pilot project, a Historian & Reporting pilot project, both implemented at the Hayden Bridge Filtration Plant (WTP), and build out a comprehensive system which will encompass the entire WTP, as well as EWEB’s Pumping, Storage and Distribution System (Distribution). The new Ignition system will replace the legacy SCADA system used to control EWEB’s water system for over 30 years.

Purchasing Process

In February 2022, in accordance with the Oregon public procurement rules, EWEB initiated a Request for Proposals (RFP) using the Formal Request for Proposals process. The RFP was advertised on the State of Oregon bid site, OregonBuys and Portland Business Tribune. Four (4) proposals were received, and all were deemed responsive and responsible.

The proposals were evaluated by an EWEB evaluation team. The maximum number of points possible for responses was 100 using the following sub-criteria and maximum number of points for each: Minimum Qualifications (Pass/No Pass – Not scored); Understanding of the Project, Proposed Approach (25 Points); Scope of Work (25 Points); Bid Response Questionnaire (10 points); Company Experience and References (15 points); Project Staffing and Qualifications (10 points); Proposed Project Schedule (10 points); Proposed Cost Estimate (5 points).

After completing the evaluation of the proposals, the proposers were invited to conduct a Virtual Site Tour of a recently integrated SCADA system that the proposers felt best represented their work related to this project. The total possible points for the Virtual Site Tours were 50. After the tours were completed Olsson Industrial Electric was selected as the most qualified consultant.

Proposals Received

Vendor Name	City, State	Offered Price	Ranking (for RFPs)
Olsson Industrial Electric	Springfield, OR	\$852,940.00	1
Concept Systems	Albany, OR	\$1,598,592.27	2
Advanced Control Systems	Meridian, ID	\$390,470.00	3
SOAP Engineering	Houston, TX	\$549,231.25	4

Competitive Fair Price (If less than 3 responses received)

NA

Prior Contract Activities

EWEB Contract	Project Name (Description)	Board Approved Date	Project Duration (Start to Close)	Original Amount	Final Amount	Reason Code
20-094-PSC	Integrator – Filter HMI Upgrade (HB)	NA	5/6/20-8/28/20	\$67,120	\$76,192	AW/SD
22-031-S	HB PAC System Upgrade, Panel Build	NA	03/07/22 – Ongoing	\$35,655	TBD	

Reason Code: AM = Additional Materials, AW = Additional Work, EW= Emergency Work, SD = Staff Directed, UC = Unforeseen Conditions, Other

The scope of work for contract 20-094-PSC was expanded, per EWEB staff direction, to include additional licensing on the I/O Gateways to achieve a more stable and resilient HMI architecture.

ACTION REQUESTED:

Management requests the Board approve an information technology services agreement with Olsson Industrial Electric to expand EWEB's pilot project into a complete Water SCADA, Historian, Reporting System. The Water Capital Improvement Plan included approximately \$1 million for this work split between 2021 and 2022. Vetting the project requirements took longer than anticipated and now the work will be completed under the 2022 and 2023 Water Utility Capital Budgets for Type 1 work which total approximately \$10 million per year. Variances will be managed within the budget process and Board policy.