

## **EWEB Board Consent Calendar Request**

*For Contract Increases*

The Board is being asked to approve additional funds for engineering services with **Black & Veatch Corporation** for the **replacement of a switch gear at the International Paper mill.**

Board Meeting Date: 11/2/2021  
Project Name/Contract #: IP TG Unit 4 Switchgear Replacement / 21-011-Q  
Primary Contact: Karen Kelley Ext. 7153

### **Contract Amount:**

Original Contract Amount: \$350,000  
Term of Agreement: 2 years  
Additional \$ Previously Approved: \$ 0  
Percentage over last approval: 85.7%  
Amount this Request: \$300,000  
Resulting Cumulative Total: **\$650,000**

### **Contracting Method:**

Method of Solicitation: Formal Request for Proposals – QBS Process  
If applicable, basis for exemption: N/A  
Option to Renew? No  
Approval for purchases “as needed”  
for the life of the Contract Yes  No   
Proposals/Bids Received (Range): 3 (\$218,000 to \$248,200)  
Selection Basis: Qualification Based Selection (QBS process)  
Narrative:

### Operational Requirement and Alignment with Strategic Plan

The IP steam turbine generation system was constructed in 1976 and the majority of system components are original. Many components are approaching the end of their useful service life and require replacement or upgrading, including the switchgear. The planned improvements will modernize the equipment and allow for safer and more reliable operation of the generating unit for the foreseeable future.

### Additional Work Needed

To support EWEB’s current standardized protective relaying technology as part of the switchgear installation at the IP steam turbine generator, there are two relay/communication panels in the downstream substation that also need to be upgraded to the current standard equipment. This expansion of the project to the substation will include replacement of a copper communication wire with fiber optic cable, electro-mechanical relays with digital equipment, as well as the communication equipment between the two facilities. The additional scope also includes developing detailed commissioning procedures for the generator and substation equipment, as well as development of relay settings for both facilities. This substation work was previously scheduled in the capital plan for 2025, but needed to be accelerated to achieve full functionality of the switchgear upgrade.

### Contracted Goods or Services

To implement the capital improvement program, EWEB requires consulting engineering services to support the procurement of longer lead time equipment, the design of equipment replacements/upgrades, as well as construction period tasks. The two-year contract originally had a not to exceed amount of \$350,000, but Staff is requesting an additional \$300,000 for additional services.

### Purchasing Process

A formal Request for Proposals was posted to the State of Oregon bid site (ORPIN) in February 2021. Four responses were received. Three were deemed responsive and responsible. Criteria for scoring included 85 points for Project Understanding & Project Approach, Firm Qualifications & Experience, Project Team Qualifications & Experience, Project Management, and 15 points for Pricing.

The proposals were evaluated and ranked in order of best overall value. Black & Veatch was selected as the highest ranked proposer.

### Proposals Received

Vendor Name	City, State	Pricing Proposal	Ranking (for Request For Proposals)
Black & Veatch	Tualatin, OR	\$248,217	1
Burns McDonnell	Centennial, CO	\$217,953	2
EN Engineering	San Ramon, CA	\$221,131	3

The proposed contract structure is that of a master services agreement (MSA) and will eventually include several individually negotiated task orders. Identified task orders will include switchgear upgrade design and protective relay upgrade design.

### Prior Contract Activities

EWEB Contract No.	Project Name (Description)	Board Approval Date	Project Duration (Notice to proceed to close out).	Original Contract Amount	Final Contract Amount
024-2015	Design Support for Carmen Power Plant Upgrades	11-3-15	10 years beginning November 2015	\$5,800,000	\$9,000,000
19-052-Q	Cascadia Emergency Preparedness	N/A	16 months	\$89,000	\$89,000
20-129-Q	Smith Spill Lift	N/A	June 2020 to December 2021	\$89,500	\$89,500

### **ACTION REQUESTED:**

Management requests the Board approve a contract with Black & Veatch for engineering services for replacement of the switchgear at the EWEB-owned steam turbine generator system at the International Paper mill in Springfield. Approximately \$750,000 was planned for these engineering design support services for the IP generation system in the Generation Department Type 1 and 2 capital budget during the period 2021 through 2025. The overall Type 1 and 2 capital budget at IP for this period is \$10.2 million. Variances will be managed within the budget process and Board policy.