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Meeting Date: December 5, 2019
File No.:



**To:** Chair and Members  
Lambton Area Water Supply System Joint Board of Management

**From:** Clinton Harper  
General Manager

**Subject:** WTP Main Switchgear & Generator Replacement Project

## Recommendation

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That the Board receive as information and allow for a presentation related to the award of the 5kV switchgear by the LAWSS General Manager.

## Background:

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RFP 18-131 "Engineering Design for Replacement of Emergency Generators at LAWSS" was awarded to EXP Services Inc. on July 17, 2019. EXP Services Inc's proposal was the best among seven proposals received for this project. Proposals were evaluated by a team consisting of the City of Sarnia Procurement Department, OCWA Operational Staff, and the LAWSS General Manager.

At the recommendation of staff, in November 2018, the Board authorized EXP to explore and include in the final build a provision for the new generator system to be used non-standby applications.

At the end of 2018, the Board requested that staff explore efficiencies related to replacement of the WTP 5kV Switchgear as part of the Generator Project. In a Board report dated January 31, 2019, the efficiencies related to combining the projects were described. Based on the information and the recommendations provided, the Board increased the overall project construction budget from \$4million to \$5.5million and approved EXP Services Inc. to provide the Engineering Services needed to combine the 5kV Switchgear with the Generator Project.

In June 2019, based on a recommendation from staff, Toromont was selected to provide the generator package for the Generator Replacement portion of the project. A PO was issued and work began to assemble the equipment. As of October 2019, the three 1.5MW units were delivered to the Toromont testing facility in Burlington and are currently in the process of being tested as per LAWSS specifications. OCWA and EXP Services Inc. have provided staff to attend this testing.

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## Comments:

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### **Contractor Pre-qualification**

Due to the criticality of the systems that will be affected during the Generator and 5kV Switchgear Replacement Project, an effort was made to prequalify the contractors and subcontractors authorized to bid. The pre-qualification process was based:

- Demonstration of a specified level of overall Company qualifications and experience.
- Availability of specialized staff required for the project.
- Past Company safety performance.
- Commitment to communication.

A Request for Vendor Pre-qualification was publicly tendered on the City of Sarnia's Bids and Tenders website from October 15, 2019 to November 15, 2019. The processes yielded three potential Contractors with sufficient experience and qualifications necessary to successfully complete the LAWSS Generator and Switchgear Replacement Project.

### **5kV Switchgear**

The WTP 5kV Switchgear has reached its end of life and has been slated for replacement. An RFQ specific to the physical switchgear component was developed by EXP Services Inc. as per LAWSS specification and provided to 4 switchgear suppliers on November 7, 2019. The RFP closed on November 25, 2019 and resulted in bids from three of the requested suppliers. Bids are currently being reviewed by EXP Services Inc. to determine completeness. A recommendation is expected on Monday December 2, 2019.

### **Project Timeline Update as of December 1, 2019:**

Based on the most up-to-date information project timeline is as follows:

<u>Benchmark</u>	<u>Description</u>
Monday, December 2, 2019	EXP Services completes evaluation and provides recommendation on 5kV Switchgear supplier.
Tuesday, December 3, 2019	LAWSS-Supplier Review of Sales Agreement.
Thursday, December 5, 2019	Board awarded 5kV Switchgear and PO issued.
Week of January 20, 2020	5kV switchgear shop drawings provided to EXP Services.
Week of February 3, 2020	Construction Project Tender issued to the three pre-qualified General Contractors.
Week of March 2, 2020	Project Closing, submissions review.
Thursday, March 26, 2020	Project General Contractor awarded by Board.

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## Consultation:

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This report was completed in consultation with EXP Services Inc., and OCWA Operational Staff, the City of Sarnia's Purchasing Department and LAWSS Corporate Legal Council.

## Financial Implications:

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Selection of the 5kV switchgear is currently underway. This section will be presented with the additional information related to the award of the 5kV switchgear.

This report was prepared by Clinton Harper, LAWSS General Manager

Attachment(s):