



**THE CORPORATION OF THE
MUNICIPALITY OF KINCARDINE
REPORT**

Subject: Award Kincardine Effluent Generator
Director: Infrastructure & Development
Manager: Environmental Services
Report Number: Environmental Services-2023-27
Meeting Date: Monday, July 10, 2023

Recommendation:

That Council award the contract for a new generator at the Kincardine Effluent Station to 262983 Ontario Inc. o/a Phoenix Electric and Rentals for the bid price of \$118,728.48 including the municipal share of HST; and

Further that the 2023 Budget be amended to fund the additional cost overage of \$28,728 from the Sewer Reserve Fund 67.

Date to be considered by Council: Monday, July 10, 2023

Report Summary:

The Environmental Services Department is looking to install a standby generator at the wastewater effluent station in Kincardine. The generator's objective is to provide standby power for the existing UV (Ultra-violet radiation) system and building and ensure continued operations and disinfection of Kincardine wastewater.

Origin: Staffing Recommendation and 2023 Capital Budget

Existing Policy: N/A

Background/Analysis:

The 2023 Capital budget included the installation of a stand-by generator at the Kincardine Wastewater Effluent Station located on the corner of Bruce Ave. and Mahood Johnston Drive in Kincardine. This station contains the UV disinfection system as the final stage of treatment for wastewater effluent discharged from

the Valentine lagoon system. The UV treatment is required to provide disinfection for e.coli and ensure the effluent reaching Lake Huron is within regulatory Environmental Compliance Approvals criteria. Currently without the generator system, any loss of power is a reportable event through the Ministry of Environment Conservation and Parks as a bypass because we are bypassing a portion of treatment and not providing the disinfection required to meet our criteria. During a bypass operators are required to take wastewater samples for effluent criteria to be tested at a certified lab. The samples are required at the beginning of each event and every 8 hours thereafter for the duration of the event. The installation of the generator will allow the UV system to function during power outages and free up staff time and resources for other issues related to power outages and significant weather events. It will allow the system to provide maximum treatment of the wastewater effluent and ensure compliance with effluent criteria and environmental protection regulations.

A competitive Request for Quotations process was conducted and a total of 5 bids were received for this project. The lowest bid was submitted by 262983 Ontario Inc. o/a Phoenix Electric and Rentals in the amount of \$118,728, including the non-recoverable portion of HST. The scope of the work has been expanded to include additional masonry work, including the addition of a sidewalk to reduce the possibility of damage to the UV system while providing maintenance. Anticipated delivery of the generator is approximately 18 weeks.

As the amount exceeds budget by \$28,728, additional funds will be required to complete this project.

Integrated Strategy 2020 – 2025 Goal VGI 1: Optimize the use of existing infrastructure and ensure it is adequately maintained. VGI 2: Provide infrastructure needed to accommodate planned growth.

Financial Implications:

The 2023 Capital Budget includes \$90,000 for the total cost of this project, including purchase, installation, and engineering components. Upon completion of a competitive procurement process, the total revised cost is now \$118,728, including non-recoverable HST. The amount exceeds the budget by \$28,728, therefore additional funds will be required to complete this project.

Staff are recommending that the additional \$28,728 be funded from the Sewer Reserve Fund 67.

Attachments: N/A

Prepared by: Mark O’Leary

Submitted by: Mark O’Leary

