



## THE CORPORATION OF THE MUNICIPALITY OF KINCARDINE

**Subject:** BEC UV Equipment Pre-Selection

**Report Number:** Public Works-2020-02

**Meeting Date:** Monday, March 2, 2020

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**Recommendation:** THAT Council award the request for quotation to Calgon Carbon for the BEC UV Equipment.

**Date to be considered by Council:** Monday, March 2, 2020

**Report Summary:**

Council is being asked to award the request for quotation (RFQ) to Calgon Carbon, for a total cost of \$111,936 including the non-refundable portion of HST. The total cost shown is for the equipment only. The pre-purchasing of this equipment will allow for the UV equipment to be ordered and available when a contractor is tendered for the installation later in 2020.

**Origin:** Federal wastewater regulations are changing by the end of 2020. Chlorine for disinfection of wastewater is no longer an option at our Bruce Energy Center (BEC) Lagoons.

**Existing Policy:** Purchasing and Procurement Policy No. GG.2.17

**Background/Analysis:**

The BEC system currently utilizes chlorine for disinfection of the effluent being discharged to Lake Huron. Federal regulation changes require us to stop discharging chlorine to the environment by the end of 2020. After evaluation of different methods, UV disinfection equipment is the chosen method for disinfection at this facility. The Kincardine Wastewater system has been utilizing UV equipment for disinfection since 2012.

Three quotations were received and reviewed by BMROSS with the results being as follows:

<u>Bidder</u>	<u>Total bid including HST</u>
Trojan (H2Flow)	\$200,823
Wedeco (Xylem Canada)	\$132,520
Calgon Carbon	\$124,300

All suppliers are deemed compliant and credible. BMROSS and Municipal staff all concur the RFQ submitted by Calgon Carbon meets the requirements of our upgrades.

The quotation provided is for the UV equipment only. The Calgon Carbon specifications indicate a structure may be required to house the equipment. The cost of the structure will be included in the tender for the installation later in 2020.

**Community Plan and Integrated Community Sustainability Plan (ICSP)**

**Considerations:** Community Plan 2010 Strategic Initiative #4- Dedicate future financial resources to manage our existing infrastructure obligations.

**Financial Implications:** The 2020 budget includes \$900,000 for the BEC UV Equipment to be funded from the Wastewater Capital Reserve Fund 67.

**Attachments:** N/A