



**The Corporation of the City of Cornwall**  
**Regular Meeting of Council**  
**Report**

Department: Financial Services  
Division: Purchasing  
Report Number: 2020-228-Financial Services  
Prepared By: Nicole Robertson, Supervisor  
Meeting Date: January 13, 2020  
Subject: 19-T70 Landfill Gas Flaring System

**Purpose**

To obtain costing for the supply and installation of a Landfill Gas Flaring System at the Corporation's Waste Disposal Site.

**Recommendation**

That Tender 19-T70 be awarded to Black & McDonald Limited, from Ottawa, Ontario, at the total bid price of \$1,557,714.93 (net cost to the Corporation - \$1,407,743.99) being the best bid meeting the tender specifications.

**Financial Implications**

The Corporation has budgeted \$1,200,000 in the Capital Budget for this project. The project is being financed and it is recommended that the outstanding amount of \$207,743.99 also be financed.

**Strategic Priority Implications**

This capital project will decrease odours and greenhouse gas emissions to the environment providing a healthy community, effective services, and infrastructure.

## **Background / Discussion**

The Landfill site located at 2590 Cornwall Centre road currently operates a flaring facility which, through a series of underground piping infrastructure, collects and flares the methane and other harmful odorous gases released as a result of the decomposition of waste materials. The current flaring facility, constructed in 1985, had a life expectancy of 25 years. The facility, now 35 years old, requires replacement in order to continue to effectively and efficiently capture and flare off gases generated by the landfill.

As part of the 2018 Capital budget, Council approved the replacement and relocation of the flaring facilities. Following Council approval, Administration commenced the application process to obtain an Environmental Compliance Approval (ECA) amendment from the Ministry of Environment, Conservation, and Parks (MECP). The approval process by the MECP took much longer than originally anticipated, as the MECP requested specific changes to landfill operations and procedures. Meeting specified MECP requirements resulted in delay of the design and tendering of the facility until late 2019. The two year delay in obtainment of the MECP ECA has contributed to this project cost exceeding the original 2018 budget.

The new facility, which will be located closer to the active waste mound, is anticipated to capture and flare landfill gas more effectively and efficiently than the old facility. These increased efficiencies will ensure the City continues to operate within the parameters cited in the landfill's Provincial Certificate of Approval while also decreasing odours and greenhouse gas emissions to the environment.

The following tenders were received and opened by Purchasing Services on December 18, 2019:

### **Black & MacDonald Limited, Ottawa, Ontario**

Bid Price:	\$1,334,261.00
HST:	\$173,453.93
Contingency:	\$50,000.00
Total Bid Price:	\$1,557,714.93



**W.S. Nicholls Construction Incorporated, Cambridge, Ontario**

Bid Price: \$2,518,615.53

HST: \$327,420.02

Contingency: \$50,000.00

Total Bid Price: \$2,896,035.55

Minor mathematical adjustments were required on the submission from W.S. Nicholls Construction Incorporated.

Document Title:	Tender 19-T70 Landfill Gas Flaring Facility - 2020-228-Financial Services.docx
Attachments:	
Final Approval Date:	Jan 7, 2020

This report and all of its attachments were approved and signed as outlined below:

**Nicole Robertson - Jan 7, 2020 - 4:19 PM**

**Bill de Wit - Jan 7, 2020 - 4:44 PM**

**Tracey Bailey - Jan 7, 2020 - 7:02 PM**

**Maureen Adams - Jan 7, 2020 - 9:36 PM**