

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON AUGUST 22, 2016</b>
<b>FROM:</b>	<b>JOHN BRAAM, P. Eng. MANAGING DIRECTOR, ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>CONTRACT AWARD: TENDER NO. 16-60 HYDE PARK PUMPING STATION - ELECTRICAL &amp; PUMP UPGRADES</b>

### RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the award of the contract for Hyde Park Pumping Station – Electrical & Pump Upgrades project:

- (a) the bid submitted by Selectra Inc. (Selectra), at its tendered price of \$343,269.00, excluding HST, **BE ACCEPTED**; it being noted that the bid submitted by Selectra was the lowest of 5 bids received and meets the City's specifications and requirements in all areas;
- (b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (e) the approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract or issuing a purchase order for the material to be supplied and the work to be done relating to this project (Tender 16-60); and
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

### PREVIOUS REPORTS PERTINENT TO THIS MATTER

None

### 2015-19 STRATEGIC PLAN

The 2015 – 2019 Strategic Plan identifies this objective under Building a Sustainable City: 1B – Manage and improve our water, wastewater and stormwater infrastructure and services.

### BACKGROUND

#### **Purpose:**

This report recommends the award of a tender to a contractor for pump and electrical upgrades to the Hyde Park Pumping Station. This station was originally constructed in 2002 as a temporary pumping station. Since 2002, the ultimate servicing strategy of this sewershed has changed, leaving this station as a permanent pumping station required to pump current and future sewage flows. As such, certain upgrades are required.

## Discussion:

Originally, limited upgrades were anticipated to be completed and were identified and approved in the Wastewater & Treatment and Water Capital Works Budget (ES2466), at an estimated expenditure of \$200,000. These works were to include limited upgrades to the pumping station - additional upgrades were planned in 2020 to provide for additional capacity and improved reliability of this pumping station.

However, more recent changes within the sewershed relating to newly built City infrastructure (addition of previously unserved industrial lands), and intensification of residential development have altered the timing and scope of upgrades to this pumping station. As part of this project, the following upgrades will be completed:

- Tie-in station to new forcemain for discharge to new location in Hyde Park Road (previously constructed) to remove Hyde Park from the Hunt Club Pumping Station sewershed;
- Removal of the existing and installation of a new Motor Control Centre (purchased separately by the City);
- Removal of the existing and installation of a new Programmable Logic Controller (PLC) cabinet, electrical components, and instrumentation;
- Installation of a new, natural gas stand-by generator (purchased separately by the City);
- Modification of the existing natural gas operated stand-by raw sewage pump and installation of a new electrical raw sewage pump for increased capacity.

Some of this work has been previously completed, including equipment pre-purchase. These upgrades will increase total station capacity to an estimated 130 L/s (actual final increase to be determined in field) to provide long-term servicing for the sewershed, bring the electrical system up to current standards, and improve station reliability. It also eliminates the current requirement to pump the same wastewater flows twice, improving overall system efficiency and reducing annual electrical consumption by an estimated 60,000 kWh.

This project also allows for the decommissioning of the high flow pump and generator at the Hunt Club Pumping station. That generator will be relocated to Greenway WWTP for installation under the Expansion project currently underway there, offsetting a capital expenditure of approximately \$75,000.

## Tender Summary:

Tenders for the Hyde Park Pumping Station - Electrical & Pump Upgrades were opened on June 8, 2016. Five contractors submitted tender prices as listed below, excluding HST.

CONTRACTOR		TENDER PRICE SUBMITTED	CORRECTED TENDER PRICE
1.	Selectra Inc.	\$343,269.00	-
2.	BGL Contractors Corp.	\$349,900.00	-
3.	Procon Constructors Inc.	\$396,600.00	-
4.	Roberts Onsite Inc.	\$425,675.00	-
5.	Kingdom Construction	\$587,848.00	-

All tenders have been checked by the Environmental and Engineering Services Department and the City's consulting engineer.

**Conclusions:**

The timing and scope of previously anticipated improvements to the Hyde Park Pumping Station have changed due to an acceleration of growth in the area and intensification. This recommended award of Tender No. 16-60, Hyde Park Pumping Station – Electrical & Pump Upgrades, to Selectra Inc. will allow continued growth, improved system efficiency and improved operation of a smaller downstream pumping station.

**Acknowledgements:**

This report was prepared within the Wastewater Treatment Operations Division by Brad Weber, C.E.T., Senior Technologist, and reviewed by Kirby Oudekerk, P. Eng., Environmental Services Engineer.

<b>SUBMITTED BY:</b>	<b>CONCURRED BY:</b>
<b>GEORDIE GAULD          DIVISION MANAGER          WASTEWATER TREATMENT          OPERATIONS</b>	<b>JOHN LUCAS, P. ENG.          DIRECTOR, WATER AND          WASTEWATER</b>
<b>RECOMMENDED BY:</b>	
<b>JOHN BRAAM, P.ENG.          MANAGING DIRECTOR,          ENVIRONMENTAL &amp; ENGINEERING          SERVICES &amp; CITY ENGINEER</b>	

August 15, 2016

Attach: Appendix "A" – Sources of Financing