

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MONDAY, MAY 15, 2018</b>
<b>FROM:</b>	<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER</b>
<b>SUBJECT:</b>	<b>APPOINTMENT OF CONSULTING ENGINEER DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES DINGMAN CREEK PUMPING STATION UPGRADES</b>

<b>RECOMMENDATION</b>
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That, on the recommendation of the Managing Director of Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the assignment of consulting services for the design and construction administration of the new Dingman Drive Wastewater Facility project:

- a) Stantec Consulting Limited **BE APPOINTED** consulting engineers in the amount of \$976,428.00, including 20% contingency, excluding HST, and in accordance with Section 12.2 b) of the City of London’s Procurement of Goods and Services Policy;
- b) the financing for the project **BE APPROVED** in accordance with the “Sources of Financing Report” attached, hereto, as Appendix “A”;
- c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- d) the approvals given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract; and,
- e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

<b>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b>
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Civic Works Committee, April 17, 2018 – South London Wastewater Servicing Study Municipal Class Environmental Assessment: Notice of Completion.

Civic Works Committee, August 29, 2017 – Appointment of Consulting Engineer, Dingman Creek PS Municipal Class EA.

Civic Works Committee, May 9, 2017 – Single Source for Pump Replacement at the Wonderland Pumping Station. Civic Works Committee May 9, 2017

<b>2015-19 STRATEGIC PLAN</b>
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The 2015-2019 Strategic Plan identifies this objective under: Building a Sustainable City: 1B – Manage and improve our wastewater infrastructure and services; and 5B – Build new wastewater infrastructure as London grows.

## BACKGROUND

### **Purpose**

The purpose of this report is to seek approval to award Stantec Consulting Limited (Stantec) a contract for consulting services for design and construction administration of the Dingman Creek Pumping Station upgrades. It also seeks to advance capital project funding from 2024 to accommodate the pressing need for residential and industrial wastewater servicing capacity in south London.

### **Context**

Wonderland Pumping Station is the only means of providing wastewater servicing to south London and is approaching its rated capacity. Current rates of residential and industrial growth in south London are expected to consume the remaining capacity by late 2019. A Municipal Class Environmental Assessment was completed to evaluate the various options for providing additional capacity in south London. The preferred alternative was the construction of a new pumping station and forcemain at, or near, the location of the existing Dingman Creek Pumping Station.

## DISCUSSION

The Wonderland Pumping Station is a key component of the City's wastewater collection system and is currently the only means to convey wastewater collected from the southwest quadrant of the City, including areas such as White Oaks, Pond Mills, portions of Lambeth, and the industrial areas south of Highway 401. The Dingman Storage Facility, which is used to reduce peak flows, works in conjunction with the Wonderland Pumping Station. Currently the Wonderland Pumping Station operates near its rated capacity on a regular basis.

A Municipal Class Environmental Assessment, the South London Wastewater Servicing Study, was undertaken to examine opportunities to construct additional servicing capacity. The preferred alternative identified in the study included the construction of new pumping station facilities at the Dingman Creek Pumping Station site, including preliminary treatment, septage receiving facilities and additional peak shaving capacity.

As a result, a Request for Proposals was issued for a consulting engineer to provide detailed design and contract administration services, for those facilities identified in the preferred alternative, that are essential for reliable servicing of growth in the area.

### **Procurement Process**

A Request for Proposal (RFP): RFP #18-19 was issued by the City. Four (4) consulting firms submitted proposals:

- AECOM Canada Limited;
- MTE Consultants;
- R.V. Anderson Associates Limited; and
- Stantec Consulting Limited.

The submissions were reviewed by staff from Wastewater Treatment Operations and Purchasing and Supply to ensure compliance with the City's Procurement of Goods and Services Policy. All four proposals met the City's requirements for submission acceptance and were evaluated via a weighted scoring system by the review team. The proposal from Stantec scored the highest based on this scoring system.

## **Project Schedule and Budget Implications**

Immediate growth pressures in south London have necessitated acceleration of the southwest capacity improvement projects. The 2014 Wastewater Servicing Master Plan Update and Development Charge Background Study identified a project initiation year of 2024 for capacity improvements in south London. However, the requirement for additional capacity is now identified as being required in late 2019, necessitating an advancement of the project budget.

In order to meet the 2019 timeline, the detailed design will begin in earnest and is expected to be completed by the end of 2018. Once the design is finalized, a tender for construction of the work will be issued with construction scheduled for 2019.

There are two separate projects identified in the 2014 Wastewater Servicing Master Plan Update and Development Charge Background Study, both with a project date of 2024, which are related to enhancing wastewater capacity for south London: ES5263 – Southwest Capacity Improvement; and ES5264 – Wonderland Pumping Station Upgrade. Funds necessary to support the consulting assignment recommended under this report have been requested for advancement from one of these projects. A separate Civic Works Committee report is planned for June and will request a budget amendment for the construction portion of the project.

## **CONCLUSIONS**

Stantec received the highest score through the RFP selection process for design and construction administration services related to the Dingman Creek Pumping Station upgrades. Stantec has shown competence and expertise with infrastructure projects of this type and has specific experience at this facility through multiple previous projects. Stantec demonstrated a good understanding of the project and significant project management experience in their proposal, and have provided good performance in the past on city projects. It is recommended that Stantec be awarded this assignment.

## Acknowledgements

This report was prepared with the assistance of Kirby Oudekerk, P.Eng. in the Wastewater Treatment Operations Division.

<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>
<b>GEORDIE GAULD DIVISION MANAGER WASTEWATER TREATMENT OPERATIONS</b>	<b>SCOTT MATHERS, MPA, P.ENG. DIRECTOR WATER, WASTEWATER AND TREATMENT</b>
<b>RECOMMENDED BY:</b>	
<b>KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER</b>	

Attachment: Appendix "A" Sources of Financing

cc: John Freeman, Purchasing and Supply  
Alan Dunbar, FP&P  
Jason Davies  
Matt Feldberg, Development Finance  
Chris Ginty, Procurement Officer  
Nelson Oliveira, P.Eng., Stantec Consulting Ltd.