

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON TUESDAY, OCTOBER 22, 2019
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	APPOINTMENT OF CONSULTING ENGINEER DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES POTTERSBURG PUMPING STATION CONSTRUCTION

RECOMMENDATION

That, on the recommendation of the Managing Director of Environmental and Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the assignment of consulting services for the design and construction administration of the new Pottersburg Transfer Pumping Station:

- a) AECOM Canada Ltd. **BE APPOINTED** Consulting Engineers in the amount of \$480,303.25, including 15% contingency, excluding HST, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 (d) 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.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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Civic Works Committee, October 22, 2019 – East London Sanitary Servicing Study – Municipal Class Environmental Assessment: Issuance of Addendum

Civic Works Committee, August 13, 2018 – Appointment of Consulting Engineer – Vauxhall Wastewater Treatment Plant – Class EA for Capacity Upgrades

Civic Works Committee, August 13, 2018 – East London Sanitary Servicing Study – Municipal Class Environmental Assessment: Notice of Completion

Civic Works Committee, July 17, 2017 – Appointment of Consulting Engineer – Design and Construction Administration Services - Pottersburg-Vauxhall Wastewater Treatment Plants Interconnection Project

Civic Works Committee, November 3, 2015 – Appointment of Consultant – Master Plan/Municipal Class EA for the Pottersburg-Vauxhall Interconnect

2019-2023 STRATEGIC PLAN

Strategic Plan

This project supports the 2019-2023 Strategic Plan through the following: Building a Sustainable City, Build infrastructure to support future development and protect the environment.

BACKGROUND

Purpose

The purpose of this report is to seek approval to award AECOM Canada Ltd. (AECOM) a contract for consulting services for design and construction administration of the Pottersburg Transfer Pumping Station upgrades.

Context

The construction of a transfer pumping station at Pottersburg Wastewater Treatment Plant will enable the transfer of flows to Vauxhall Wastewater Treatment Plant through the new Pottersburg-Vauxhall Interconnection. This aligns with the strategies identified in the East London Sanitary Servicing Study and the Pottersburg-Vauxhall Interconnect Class Environmental Assessments.

DISCUSSION

The Vauxhall Wastewater Treatment Plant (WWTP) services a sewershed that is mostly built-out, while the Pottersburg WWTP sewershed has a significant capacity for growth. However, Vauxhall WWTP has been demonstrated to have both available capacity and a potential for relatively inexpensive capacity increases, while Pottersburg WWTP experiences challenges that limit its ability to provide the full rated treatment capacity identified.

The East London Sanitary Servicing Study identified a short-term strategy to transfer flows from Pottersburg to Vauxhall via a new forcemain connection between the two plants. This would enable growth to continue in the Pottersburg sewershed, while also reducing the likelihood of wastewater overflows and bypasses at Pottersburg WWTP. The forcemain construction project is mostly complete, so the construction of a pumping station will enable this flow transfer to occur immediately upon commissioning.

As a result, a Request for Proposals was issued for a Consulting Engineer to provide detailed design and contract administration services for a transfer pumping station at Pottersburg WWTP

Procurement Process

A Request for Proposal (RFP): RFP 19-40 was issued by the City. RFP 19-40 was conducted through the Purchasing Division and was confirmed to be compliant with CETA and CFTA requirements. There were nine package takers, although only two consulting firms ultimately submitted proposals:

- AECOM Canada Ltd.; and
- CH2MHill Canada Ltd (Jacobs).

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. Both proposals met the City's requirements for submission acceptance, and were evaluated via a weighted scoring system by the review team. The proposal from AECOM scored the highest based on this scoring system.

AECOM has extensive experience with pumping station design and contract administration, including many projects within the City of London and for the Wastewater Treatment Operations division specifically. AECOM's fees were the lowest of the proposals received and within the budget for the project. The City's project team has confidence in AECOM's ability to ensure that the City ultimately receives high quality infrastructure that meets present and future needs.

Project Schedule and Budget Implications

The design portion of this project is expected to be complete by Fall of 2020, with tendering to follow. Construction is expected to be complete by the end of 2021. This project is a growth-funded project, identified in the 2019 One Water Development Charge Update Study as DC19-WW0005 – Pottersburg/Vauxhall Transfer PSs.

CONCLUSIONS

AECOM received the highest score through the RFP selection process for design and construction administration services related to the Pottersburg Transfer Pumping Station construction. AECOM has a history of successful project delivery with the City and has specific experience at this facility through multiple previous projects. AECOM also demonstrated a good understanding of the project in their Proposal, and the project team is expected to provide good results for the City. It is recommended that AECOM be awarded this assignment.

Acknowledgements

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

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

Attachment: Appendix "A" Sources of Financing

cc: John Freeman, Purchasing and Supply
Alan Dunbar, FP&P
Jason Davies, FP&P
Matt Feldberg, Development Finance
Chris Ginty, Procurement Officer
Neil Awde, P.Eng., AECOM Canada Ltd.