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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING TUESDAY, NOVEMBER 3, 2015
FROM:	JOHN BRAAM, P.ENG MANAGING DIRECTOR OF ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	APPOINTMENT OF CONSULTANT MASTER PLAN/MUNICIPAL CLASS EA FOR THE POTTERSBURG-VAUXHALL INTERCONNECT

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 Master Plan and Municipal Class Environmental Assessment (Class EA) for the proposed Pottersburg-Vauxhall Interconnection:

- a) AECOM **BE APPOINTED** Consulting Engineers in the amount of \$149,974.00, including 10% 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.

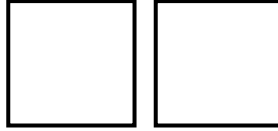
PREVIOUS REPORTS PERTINENT TO THIS MATTER
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- Civic Works Committee-September 22, 2014 - Optimization of London Wastewater Treatment Plants: A Strategy and Roadmap

BACKGROUND

Purpose

To seek Council Approval to award AECOM a contract for consulting services for the



Master Plan / Class EA for the Pottersburg-Vauxhall Interconnection based on a Request for Proposal (RFP) process.

Summary

Three RFP submissions were received for consulting services related to the Master Plan/Class EA for the interconnection between the Pottersburg and Vauxhall WWTPs. Of the submissions, AECOM received the highest score based on their understanding of the work, technical expertise, experience and price. It is recommended that AECOM be awarded this assignment.

Background

Pottersburg Wastewater Treatment Plant (WWTP) and Vauxhall WWTP are located in south-east London. They service adjacent sanitary service areas with a total rated treatment capacity of 60 megalitres per day (MLD). The Pottersburg sewershed also contains key industrial development areas around the airport, and Veteran's Memorial Parkway / Highway 401 in London's southeast. In contrast to Pottersburg, the Vauxhall sewershed is largely built-out, with little growth expected in the future.

XCG (2014) completed assessments for each plant that identified opportunities to increase available plant capacities. Such increases would allow for development in the service areas. However, the Vauxhall sewershed is not anticipated to be an area for growth. Additionally, Vauxhall has a Chemically Enhanced Primary Treatment (CEPT) system that is capable of providing enhanced primary level treatment to wet weather flows that would otherwise be bypassed directly to the Thames River, while Pottersburg currently does not.

The purpose of this Master Plan/Class EA assignment will be to evaluate the opportunities to construct an interconnection between the two plants, allowing flows to be transferred back and forth as demands and treatment capacity dictate. The study will also evaluate the cost and benefits to providing a similar link for the purposes of transferring biosolids between the plants.

The benefits of such interconnections include:

- Utilizing available capacity at Vauxhall WWTP to allow for additional development in the Pottersburg WWTP sewershed without costly upgrades to that plant;
- Transferring wet weather flows from Pottersburg WWTP to Vauxhall WWTP for primary treatment to reduce the amount of raw wastewater bypasses at Pottersburg. Even with a proposed wet weather treatment system at Pottersburg, the ability to transfer flows will allow for optimum use of those facilities and an overall reduction in bypass events;
- Transfer of flows between plants will allow for individual treatment trains at either plant to be taken offline for maintenance or upgrade activities without impacting wastewater treatment operations;
- Transferring biosolids could allow for a consolidation of dewatering facilities, simplifying truck haulage routes and potentially reducing tanker traffic through a residential area.

Purchasing Process

The City issued a Request for Information (RFI) to assess interest from consulting firms in pursuing opportunities for consulting work with the Wastewater Operations Division. Based on the review of responses to this RFI, three (3) consulting firms were invited to

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submit Proposals in response to RFP 15-45.

Three (3) proposals were received: One each from AECOM, Stantec Consulting Ltd (both of London) and CH2M (of Kitchener). 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 three proposals met the City's requirements in all areas.

Results

A two-envelope proposal process was employed, one containing the technical proposals and the second containing the firms' price for the work. All three firms have significant experience completing similar work for the City of London and received high technical scores.

Following the technical evaluation, the financial proposals were opened and adjusted based upon the technical score received. The proposal from AECOM scored the highest based on the combined score.

Project Schedule

The project is scheduled to begin in November 2015, with a notice of completion anticipated by July 2016. A separate detailed design assignment is expected to be tendered and awarded by Q2 of 2016.

Financial Impact

Funding for this study and public consultation has been allocated in 2015 capital budgets as part of ongoing Wastewater Treatment Operations optimization initiatives.

Acknowledgements

This report was prepared by Kirby Oudekerk, Wastewater Treatment Operations.

PREPARED BY:	REVIEWED BY:
GEORDIE GAULD DIVISION MANAGER WASTEWATER TREATMENT OPERATIONS	JOHN LUCAS, P.ENG. DIRECTOR-WATER AND WASTEWATER
RECOMMENDED BY:	
JOHN BRAAM, P.ENG. MANAGING DIRECTOR OF ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER	

cc: John Freeman, Manager of Purchasing and Supply