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| <b>TO:</b>      | <b>CHAIR AND MEMBERS<br/>CIVIC WORKS COMMITTEE<br/>MEETING TUESDAY, NOVEMBER 3, 2015</b>                         |
| <b>FROM:</b>    | <b>JOHN BRAAM, P.ENG<br/>MANAGING DIRECTOR OF ENVIRONMENTAL AND ENGINEERING<br/>SERVICES &amp; CITY ENGINEER</b> |
| <b>SUBJECT:</b> | <b>SINGLE SOURCE FOR PUMP REPLACEMENT<br/>AT THE WONDERLAND PUMPING STATION</b>                                  |

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| <b>RECOMMENDATION</b> |
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That, on the recommendation of the Managing Director – Environmental and Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the purchase of replacement pumps for the Wonderland Pumping Station (PS):

- a) The quotation submitted by Xylem Inc. at its price of \$152,748.14, including freight but excluding HST, for two replacement pumps for use at the Wonderland Pumping Station **BE ACCEPTED**, it being noted that this is a single source purchase in accordance with Section 14.4 (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.

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| <b>PREVIOUS REPORTS PERTINENT TO THIS MATTER</b> |
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- 2014 Development Charges Study

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| <b>BACKGROUND</b> |
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**Purpose:**

To seek Council Approval to issue a Purchase Order to Xylem Inc. for the purchase of two replacement pumps for use at the Wonderland Pumping Station.

**Background:**

The Wonderland Pumping Station is a key piece of the City’s sanitary servicing infrastructure. It is the largest wastewater pumping station in the City, responsible for conveying wastewater from a significant portion of south London to the Greenway Wastewater Treatment Plant.

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A study recently completed by Stantec Consulting, indicates the station capacity can be increased from 510 to 625 L/s through the addition of an extra duty pump. This will provide capacity until 2021 when further pump station upgrades will be required, as identified in the 2014 DC Study.

Pumps at the Wonderland station are also prone to excessive wear due to the amount of grit in the wastewater. These are large pumps that must be removed with a crane and taken offsite for repairs. Purchasing a spare pump will allow staff to remove one pump for rebuilding and replace it with a spare, thus maintaining station capacity while the repairs are completed. It will also be more efficient as the exchange can be completed while staff and equipment are on site and prevents a return trip to reinstall the repaired pump; the repaired pump will then become the spare.

**Justification for Single Source**

The pumps installed at Wonderland PS are required to operate in parallel, meaning multiple pumps will operate at the same time pumping to a common forcemain. Installing identical pumps from the same manufacturer ensures consistent operation within the recommended range of the pumps. Xylem supplied the original pumps through a competitive pre-purchase process in 2007. Purchasing these additional pumps from Xylem will be a Single Source purchase as identified in section 14.4 of the City's Procurement of Goods and Services Policy.

**Financial Impact**

Funding for this purchase has been allocated within capital accounts for the upgrading of Wonderland PS and pumping station upgrades.

**Acknowledgements**

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

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

cc: John Freeman, Manager of Purchasing and Supply