

DECISION/DIRECTION NOTE

Title: Windsor Lake Water Treatment Plant Equipment Reserve Fund Replacement of High Zone Pumping Station Pump #3

Date Prepared: December 11, 2020

Report To: Committee of the Whole

Councillor and Role: Councillor Ian Froude, Public Works & Sustainability

Ward: N/A

Decision/Direction Required:

To seek a decision on proceeding with a purchase from the Equipment Reserve Fund to replace existing High Zone Pumping Station Pump #3 at the Windsor Lake Water Treatment Plant.

Discussion – Background and Current Status:

The Windsor Lake Water Treatment Plant (WTP) Equipment Reserve Fund is being requested to be used for the purchase of a replacement Pump #3 in the High Zone Pumping Station. The existing pump is experiencing performance issues and should be replaced prior to failure. Windsor Lake staff have explored repair versus replacement costs and have determined that the most economical solution would be to replace the pump which also allows the pump to remain in service during the longer lead time of a newly procured pump. The total estimated cost to supply and deliver the replacement pump is approximately \$65,000.00 (HST Extra).

Key Considerations/Implications:

1. Budget/Financial Implications:

Funding has been identified with the Windsor Lake WTP Equipment Reserve Fund to support this equipment replacement purchase. A detailed breakdown of the 2016-2020 contributions less purchases made through this Program is provided as follows:

Windsor Lake WTP Capital Reserve (0000-36889)

2016 Contribution	\$350,000.00
2017 Contribution	\$350,000.00
Less: UPS Replacement	\$(68,920.75)
2018 Contribution	\$350,000.00
Less: Secondary Cell #1 Membrane Modules	\$(88,636.09)
SCADA Server Upgrades	\$(83,605.67)
2019 Contribution	\$350,000.00
Less: SCADA Server Upgrades	\$(85,459.88)
2020 Contribution	\$350,000.00

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Less: SCADA Server Upgrades	\$(20,938.98)
High Zone Generator Replacement	\$(12,298.97)
Balance:	\$1,390,139.66

2. Partners or Other Stakeholders:
N/A
3. Alignment with Strategic Directions/Adopted Plans:
Strategic Plan 2019-2029 Goal: *A Sustainable City*
Development of an Equipment Reserve Fund at the Windsor Lake WTP provides the ability to replace critical equipment in a timely and budgeted manner, avoiding unplanned maintenance and unexpected costs.
4. Legal or Policy Implications:
N/A
5. Privacy Implications:
N/A
6. Engagement and Communications Considerations:
N/A
7. Human Resource Implications:
N/A
8. Procurement Implications:
The estimated timeframe for the replacement High Zone Pumping Station Pump is approximately 30 weeks from order date.
9. Information Technology Implications:
N/A
10. Other Implications:
N/A

Recommendation:

That Council approve access to funding from the Windsor Lake WTP Equipment Reserve Fund to support the purchase of this equipment.

Prepared by: Shawn Haye, Manager – Water Treatment
Approved by: Andrew Niblock, Director – Environmental Services

Report Approval Details

Document Title:	Windsor Lake Water Treatment Plant Equipment Reserve Fund Replacement of High Zone Pumping Station Pump 3.docx
Attachments:	
Final Approval Date:	Jan 5, 2021

This report and all of its attachments were approved and signed as outlined below:

Andrew Niblock - Dec 14, 2020 - 11:22 AM

Lynnann Winsor - Jan 5, 2021 - 1:48 PM