

DECISION/DIRECTION NOTE

Title: Petty Harbour Long Pond Water Treatment Plant Capital Reserve Fund
Procurement of Replacement SCADA Servers & License Upgrades

Date Prepared: October 23, 2019

Report To: Committee of the Whole

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

Ward: Not ward specific

Decision/Direction Required:

To seek a decision on proceeding with a purchase from the Capital Reserve Fund to replace the existing SCADA servers and upgrade associated licenses.

Discussion – Background and Current Status:

The Petty Harbour Long Pond Water Treatment Plant (WTP) Capital Reserve Fund is being requested to be used for the purchase of replacement Supervisory Control and Data Acquisition (SCADA) servers and associated license upgrades. The existing servers have been in service for four and a half (4.5) years and must be replaced to provide reliable and secure operations of the Petty Harbour Long Pond WTP.

The total estimated cost to replace this equipment is \$180,000.00 + HST.

SCADA servers and licenses were not originally included in the Capital Reserve Fund list of critical equipment developed in 2015. However, this equipment does meet the qualifications of the Fund in that the servers and licenses are critical assets exceeding the replacement threshold of \$25,000. It is the intention of the Water & Wastewater Division to review the list of critical equipment included in this Fund every five (5) years to add/remove equipment where necessary, while adjusting for market value at the time. This plan is scheduled to be reviewed again in 2020. During the review, SCADA servers and licenses will be added to the list of critical equipment with an anticipated five (5) year life cycle.

Key Considerations/Implications:

1. Budget/Financial Implications

Funding has been identified within the Petty Harbour Long Pond WTP Capital Reserve Fund to support this equipment replacement project. A detailed breakdown of 2016-2019 contributions less purchases made through this Program is provided as follows:



0000-36890 Reserve for Petty Harbour Long Pond WTP Equipment Replacement

2016 Contribution	\$350,000
2017 Contribution	\$350,000
2018 Contribution	\$350,000
2019 Contribution	\$350,000
Less: UV Replacement (Ongoing Project)	
Expenses paid up to Oct. 22, 2019	\$(260,350.29)
Balance	\$1,139,649.71

2. Partners or Other Stakeholders

N/A

3. Alignment with Strategic Directions/Adopted Plans

- **Strategic Plan 2019-2029 Goal: A Sustainable City**

Development of a Capital Reserve Fund at the Petty Harbour Long Pond WTP provides the ability to replace critical equipment in a timely and appropriate manner, avoiding unplanned maintenance and unexpected costs.

4. Legal or Policy Implications

N/A

5. Engagement and Communications Considerations

N/A

6. Human Resource Implications

N/A

7. Procurement Implications

The estimated timeframe for the replacement server and associated license upgrades is approximately 12 to 16 weeks.

8. Information Technology Implications

N/A

9. Other Implications

N/A

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Recommendation:

The SCADA servers are essential pieces of equipment which are necessary to provide reliable and continuous operation of the Petty Harbour Long Pond Water Treatment Plant. It is recommended that funding be made available through the Capital Reserve Fund to support the purchase and installation of this equipment.

Prepared by/Signature:

Shawn Haye, P. Eng.
Manager, Water Treatment

Signature: _____

Approved by/Date/Signature:

Lynnann Winsor, P.Eng., M.A.Sc.
Deputy City Manager, Public Works

Signature: _____

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