



## Council Report

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<b>Report Number:</b>	<b>PUR2024-017</b>
<b>Meeting Date:</b>	September 24, 2024
<b>Title:</b>	<b>2024-084-SS Fenelon Falls WTP Membrane Expansion</b>
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### Recommendation(s):

**That** Report PUR2024-017, **2024-084-SS Fenelon Falls WTP Membrane Expansion**, be received;

**That** Ontario Clean Water Agency (OCWA) be awarded the single source (SS) 2024-084-SS Fenelon Falls WTP Filter Membrane Expansion for the submitted price of \$395,176.74 (not including HST);

**That** the deficit of \$195,467.00 (including payable HST) be financed from the Water Infrastructure Reserve (1.32050); and

**That** subject to receipt of the required documents, the Director of Engineering and Corporate Assets be authorized to execute the agreement to award.

**Department Head:** \_\_\_\_\_

**Financial/Legal/HR/Other:** \_\_\_\_\_

**Chief Administrative Officer:** \_\_\_\_\_

## **Background:**

Ontario Clean Water Agency (OCWA) oversees the operations and maintenance of the Fenelon Falls Water Treatment Plant (WTP) on behalf of the City. Filters at the WTP are essential for removing contaminants, improving water quality, protecting equipment, enhancing treatment efficiency, and ensuring regulatory compliance. They also aid in extending the lifespan of the treatment system.

The WTP filter system utilizes a submersible membrane system which is a proprietary packaged system from Veolia Water Technologies and Solutions. Membrane filters are composed of individual modules assembled into cassettes within a stainless steel frame.

This filter system operates as two parallel trains in a separate tank. During the summer months the WTP runs continuously due to increased water demand from the splash pad and new housing developments. As a result, each filter requires a thorough cleaning every three weeks which takes one train out of service for up to four days at a time and forces the remaining train to operate at full capacity which leads to quicker clogging.

To address these challenges, OCWA recommends upgrades including the installation of an additional cassette within the empty slot of each train and upgrading the process pumps. These improvements will allow the filters longer run time between cleans, enhance contaminant removal, ensure compliance with health standards, increase the operational efficiency and reliability, reduce maintenance costs, and extend the system's lifespan. It is noted that this upgrade will not increase the overall plant rated capacity.

In accordance with the Procurement Policy, single source purchases over \$121,000 must be approved by Council.

## **Rationale:**

Staff recommend that Ontario Clean Water Agency (OCWA) be awarded the single source (SS) 2024-084-SS Fenelon Falls WTP Filter Membrane Expansion for the submitted price of \$395,176.74 (not including HST).

## **Other Alternatives Considered:**

No alternative is being recommended as Veolia Water Technologies and Solutions holds the proprietary rights for the system that is currently used at the Fenelon Falls WTP. To replace the system would incur a much larger investment of funds.

**Alignment to Strategic Priorities**

The recommendation in the report contributes to Council’s adopted strategic plan namely:

1. An Exceptional Quality of Life
2. A Vibrant and Growing Economy
3. Good Government

**Financial/Operation Impacts:**

Financing for Fenelon Falls WTP Filter Membrane Expansion is included in the 2024 Capital budget:

Project Number	Original Project Budget	Other Committed Funds *see below	Project Balance	Purchase Amount (excl. HST and Contingency)	Contingency 10%	HST Payable	Total Purchase Amount	Project Balance
998240105	\$200,000	\$290	\$199,710	\$361,511	\$33,666	\$0	\$395,177	(\$195,467)

Other committed funds include internal staff labour.

Any surplus or deficit will be dealt with by the Treasury Department in accordance with the Capital Close policy.

**Consultations:**

- Executive Assistant – Engineering and Corporate Assets
- Supervisor of Environmental Capital Project Management
- Manager of Corporate Assets
- Supervisor of Procurement
- Treasurer
- Director of Engineering and Corporate Assets
- Director of Corporate Services

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**Department Head: Juan Rojas**

**Procurement File: 2024-084-SS**