

Township of South Stormont
KEY INFORMATION REPORT
Public Works Operations



To: Council
From: Ross Gellately, Director of Public Works
Date of Meeting: May 11, 2022
Subject: Long Sault – Ingleside Water Treatment Plant, Conceptual Design Report

Background:

The Uncommitted Reserve Capacity Analysis presented to Council on March 29, 2022 by EVB Engineering indicated the plant was operating at approximately 80% of the design capacity with 48m³ per day of uncommitted reserve capacity remaining which is the equivalent of 20 residential lots. It was also noted the calculated committed non-residential area maximum day demand of 536 m³ per day was equivalent to 227 lots and should be revisited based on future development.

The presentation also recommended moving forward with a Conceptual Design Report in preparation for upgrades to the water treatment plant.

The current Long Sault-Ingleside WTP was designed with growth considered, building expansion and/or tank construction should not be required.

Discussion:

Staff have reached out to the design engineer for the original water treatment plant who is located in Guelph, ON for a proposal for the Conceptual Design Report. WT Infrastructure deals almost exclusively with Municipalities on similar projects.

Based on their familiarity with the current water treatment plant processes and the technology (Zenon Microfiltration) utilized in the plant and the current Long Sault Ingleside Water System, staff are recommending this report be sole sourced to WT Infrastructure.

The proposal prepared by WT Infrastructure would see the project commence immediately and completed by early fall of 2022.

The Report would involve:

- Development of Water Demand Growth Scenarios
- Assessment of Existing Water Supply System Capacity and Limits
- Design and cost estimates for system upgrades

As noted in the EVB presentation and again in the WT Infrastructure proposal the Municipal Class Environmental Assessment process is currently under review by the Province.

A project such as this would currently be a Class 'C' Environmental Assessment with the proposed changes making it a Class 'A+'; going from a 12–14-month process to 2 months also with significant dollar savings.

Staff have reached out to MOECP for a proposed timeline for changes to the MCEA process and are still waiting for a response.

If required, the Conceptual Design Report could be included in any Municipal Class Environmental Assessment, with only the public consultation process remaining for the Class 'C' MCEA.

The costs associated with this report (\$62,000) are included in the CAO's procurement report as it is included in the 2022 Water Wastewater Capital Budgets.