



TO: Mayor and Council

FROM: Alyshia Neuman, Manager of Works and Operations

DATE: May 7, 2021

RE: **Water Treatment Plant Outside Professional Advice- Follow up**

ISSUE:

Council has requested to bring back the following Water Treatment Plant outside professional advice to the Committee of the Whole meeting.

BACKGROUND:

At the September 22nd, 2021 meeting, Council directed Administration to seek another professional opinion on optimizing the water treatment plant.

The following costs for outside advice have not been requested from the companies again in the 2021 calendar year and have not been changed from when this report was first presented. It is assumed the cost for outside advice would not be far from the provided quotes presented in September 2020.

ALTERNATIVES:

- 1) Council can allocate funds to hire a consultant to provide additional advice.
- 2) Council can direct administration to provide more information
- 3) Council can except the following report as information.

FINANCIAL IMPLICATIONS:

This item was not budgeted for in 2021. The cost of obtaining an additional assessment from a professional company ranges from \$3,800 to \$7,100.

There is Currently \$10,437.58 in the repair line GL 580-285-140 for emergency work at the Water Treatment Plant. This amount can be used for outside advice.

ANALYSIS:

TSL Mechanical Inc. will provide an assessment of water quality, electrical condition, and mechanical condition of Town's WTP. They will provide a quotation and outline of the work and upgrades to be completed to achieve the desired water quality and plant sustainability. The site visit team will include Delco Water, TSL Mechanical and Tremblay electric. The cost is \$3,516 plus tax.

Municipal Utilities will provide a three-day site visit to assess the Town's WTP. They will conduct sampling for chemical optimization of potassium permanganate dosing in order to evaluate the potential benefits of adding poly aluminum chloride and selected cationic, non-ionic, or anionic polymers to aid in increasing filter run time and water quality. In addition, they will examine condition of the filter media, and coordinate potential regeneration with potassium permanganate dependant on

demands on the system. Municipal Utilities will provide recommendations for corrective measures following their assessment. The cost is \$6,650.75 plus tax.

Both companies are all well-versed in water plant maintenance and operations. TSL Mechanical offers a diverse team of experts including Tremblay Electric which is already familiar with the Town's system and their cost is considerably lower than Municipal Utilities.

ADMINISTRATIVE RECOMMENDATIONS:

"THAT the non-budgeted purchase of up to \$4,000 to hire TSL Mechanical Inc. to provide consultation services for optimization of the water treatment plant be authorized."