



Staff Report

To: Dan Best, Chief Administrative Officer

From: Don Giberson, Environmental Services Director

Date: June 19, 2017

Report: ESD.17.19

Subject: Exeter Water Tower Control Chamber

Recommendation:

That South Huron Council receive the report from Don Giberson, Environmental Services Director Re: Exeter Water Tower Control Chamber for information purposes.

Background and Analysis:

The purpose of this report is to update Council on the status of the Exeter Water Tower Control Chamber project and award of the detailed engineering.

On June 20, 2016 Council awarded a contract BM Ross and Associates for professional services related to the Exeter Water Tower Upgrades. This work involved the installation of a passive mixing system, including the replacement of obsolete water tower level regulator instrumentation and controls. The engineer has completed the design assignment for these upgrades and prepared the necessary documentation to proceed to tender.

During the pre-tender period, BM Ross suggested a lower cost alternative to the separate control chamber on the water tower intake/discharge pipe that had been approved in the 2017 Capital Budget. Further investigation confirmed that the existing valve chamber in the base of the water tower could be retrofitted and the existing manual valve replaced with an automated valve at considerable savings to the Municipality. In addition,

further savings could be realized by including this control chamber work with the tender already prepared for the other water tower upgrades.

Accordingly, a proposal was solicited from BM Ross to add this water tower control chamber work to the current assignment. BM Ross submitted a proposal in the total amount of \$9,500 plus HST to provide all engineering services related to design, preparation of specifications, contract documents and tender for the automated water tower fill/discharge line control valve, complete including electrical, mechanical and instrumentation design.

Operational Considerations:

The original alternative was to construct a separate buried reinforced concrete chamber on the water tower intake/discharge pipe in front of the water tower. This is a more expensive option, if the automated valve and associated equipment could not be accommodated in the existing concrete chamber in the base of the water tower.

South Huron's Strategic Plan:

Section 6.2.2 of the Municipality of South Huron 2015- 2019 Strategic Plan identifies key objectives that are reflective of the collective perspectives of the strategic planning process.

The recommendations and actions outlined in this report are reflective of the following strategic objectives:

Administrative Efficiency and Fiscal Responsibility

The proposed upgrades to the Exeter Water Tower will be through a public tendering procurement process to ensure fiscal responsibility.

Increased Communications and Municipal Leadership

Results of the public tender will be communicated to Council and the public thorough reports to Council.

Transparent, Accountable and Collaborative Governance

Public reporting of the status of the Exeter water tower upgrades and consideration of other lower cost options, demonstrates commitment to transparent, accountable and collaborative governance.

Dedicated Economic Development Effort

Ensuring safe reliable drinking water is essential to maintaining public confidence; retention/attraction of businesses and economic development opportunities.

Financial Impact:

Professional services allocated to this project was approved in the amount of \$15,000 in the 2017 Capital Budget. The total project cost as outlined in the 2017 Capital budget is \$175,000.

Legal Impact:

There are no legal implications for the Corporation resulting from the proposed recommendation.

Staffing Impact:

There are no staffing implications for the Corporation resulting from the proposed recommendation.

Policies/Legislation:

1. Ontario Water Resources Act, R.S.O. 1990, c. O.40
2. Safe Drinking Water Act, 2002, S.O. 2002, c. 32
3. Clean Water Act, 2006, SO 2006, c 22
4. Ontario Regulation 169/03 – Ontario Drinking Water Quality Standards
5. Ontario Regulation 170/03 - Drinking Water Systems
6. Ontario Regulation 188/07 - Licensing of Municipal Drinking Water Systems
7. Approved 2017 Water Capital Budget.

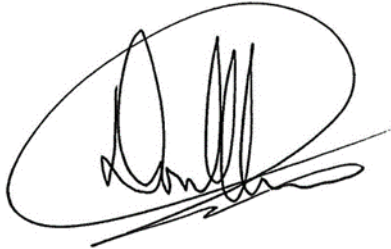
Consultation:

Sandy Becker, Financial Services Manager was consulted on the financial aspects of this report. Shawn Young, Water/Sewer Foreman was consulted on the technical aspects of this report.

Attachments:

None

Respectfully submitted,

A handwritten signature in black ink, consisting of a large, loopy 'D' followed by several vertical strokes and a long horizontal flourish at the bottom.

Don Giberson
Environmental Services Director

I concur with this report.

Dan Best MPA, BA
Chief Administrative Officer