

COUNCIL REPORT

Meeting Date: April 19, 2021
Department: Engineering & Public Works
Report No.: EPW-2021-08
Submitted by: Paul Zuberbuhler CET, Manager of Environmental Services
Approved by: Fred Tranquilli, Chief Administrative Officer / Clerk
SUBJECT: **Water Monitoring Station 3 (Mt Brydges) Rehabilitation**

RECOMMENDATION: THAT:

1. Council receive the EPW-2021-08 report as information, and further;
2. THAT: Council direct staff to complete the Engineering, Design and Tendering for rehabilitation of Monitoring Station 3, including an emergency generator, and further;
3. THAT: Council award a sole sourced Engineering Services contract to RV Anderson Ltd with an upset limit of \$132,000 (excluding HST) for design and tendering of Monitoring Station 3 rehabilitation including emergency generator and Mt Brydges Reservoir Drawings, and That Council approve a budget of \$736,500 from the water capital reserves for the rehabilitation construction.

STRATEGIC PLAN ALIGNMENT:

This matter is in accord with the following strategic priorities:

- Local Infrastructure – Households and businesses in Strathroy-Caradoc are supported by reliable, financially responsible and well-maintained infrastructure networks

BACKGROUND:

Monitoring Station 3 (MS3) is located on Oriole Drive in Mt Brydges. Historically this site had a well that provided drinking water. In 2010, the station was modified to supply water from the Lake Huron Primary Water Supply System. The municipal drinking water that is supplied to Mt Brydges and associated area passes through this station. This station is a critical component in the provision of safe drinking water. This station consists of a chlorination system, piping and valves, SCADA, associated electrical and instrumentation and an emergency generator. The modifications in 2010 included removal of old well equipment and the installation of some new piping, valves and instrumentation.

In 2020, RV Anderson completed a condition assessment of the Municipality's Water and Wastewater assets. Findings from this review included several recommendations for immediate work at Monitoring Station 3.

COMMENTS:

The identified items in the condition assessment included the need for upgrades to electrical, the emergency generator, piping modifications, chemical system and SCADA upgrades. Being a critical component to the supply of the water to the Mt Brydges area it is recommended that this project be designed, tendered and have construction commenced in 2021. A budget for construction is not included in the current 2021 approved water capital budget.

The project will also include updating the drawings for the Mt Brydges Reservoir as required from the Ministry of Environment inspection.

To reduce the lead-time for the generator/ATS delivery, RVA will prepare a pre-selection document for the Generator and invite four suppliers to bid the work. RVA will complete an evaluation and submit recommendation letter to the Municipality. This will allow for the Municipality to order the emergency generator improving the project schedule.

RV Anderson has considerable experience with these types of project. In 2020, RVA successfully completed the Park St PS upgrades for the Municipality. Staff recommend that RV Anderson complete the design of the works and tendering of the project. The assignment of the works to RV Anderson would be a sole sourced award as a continuation of the evaluation works previously completed.

CONSULTATION:

The preparation of this report and recommendation was completed in consultation with:

- Chief Administrative Officer
- Director of Financial Services

FINANCIAL IMPLICATIONS:

In the 2021, the approved capital budget was \$150,000 for MS3 Upgrades. The approved budget of \$150,000 would be used to cover the engineering portion of the design and tendering.

• Design and generator pre-selection	\$ 99,000
• Mt Brydges Reservoir As-Builts	\$ 8,000
• Contingency, Roof Assessment and HST	<u>\$ 25,000</u>
Total Project Cost	\$132,000

It is recommended that the project continue in 2021 with the construction portion. The estimated construction costs are:

• Construction Administration	\$ 41,000
• Equipment supply, installation	\$ 545,500
• Estimating Contingency and HST	<u>\$150,000</u>
Total Project Cost	\$736,500

ATTACHMENTS:

None