



Staff Report

Report Title: Point Clark Pumping Station Transfer Switch

Prepared By: John Yungblut

Department: Public Works

Date: Feb. 1, 2021

Report Number: PW-2021-02-8

File Number: E08PCP20

Attachments: Generator Listing

Recommendation:

That the Township of Huron-Kinloss Committee of the Whole hereby approves Report Number PW-2021-02-8, prepared by John Yungblut, Director of Public Works AND grants pre-budget approval in the acceptance of the quotation from Belwood Electric Ltd. in the amount of \$10,500.00 plus HST for the installation of a generator transfer switch at the Point Clark Pumping Station

Background:

With the upcoming replacement of the Master Control Centre (MCC) in the Point Clark Pumping Station, Township staff decided to investigate the possibility of installation a transfer switch at the same time. A second source of backup power in the event of an emergency would be beneficial to the Lakeshore water system.

Discussion:

The current listing of generators in the Township are attached to this report. Currently, the only source of backup power for water supply along the Lakeshore is at the Murdoch Glen Pump House in the Heritage Heights area, which is in a different operational zone than the Zone 1 which includes the Point Clark, Lurgan Beach and Blairs Grove areas. Zone 1 also has the highest water demand when compared to the other two Lakeshore zones. Although the Point Clark Standpipe will provide water supply during a short-term power outage, it should not be relied upon to supply adequate water distribution longer than 16 hours in the winter and 2-4 hours in the peak of summer. After this period the emergency storage will begin to be depleted. While we do have the ability to distribute water across zones, it is only done so in an emergency situation because this disrupts the water pressure that

our residents have come to expect. This is due to the variation in the topography across the Lakeshore.

Township staff requested quotes from two electrical contractions:

| <u>Contractor</u> | <u>Unit Description</u> | <u>Amount</u> |
|--------------------------|--------------------------------|----------------------|
| Belwood Electric Ltd. | 200 amp/600 volt Nema 3 | \$10,500 plus HST |
| Sepoy Wiring Ltd. | 200 amp/600 volt Nema 3 | \$11,200 plus HST |

It should be noted that the quote provided by Belwood is contingent on the transfer switch being installed while the MCC is replaced. Although combining the work into one project does not result in significant cost savings, there are some operational efficiencies of not having to shut down the site and co-ordinate power outages with Hydro One on two separate occasions.

Financial Impacts:

The proposed 2021 Capital Budget includes \$15,000 for the installation of a transfer switch in Point Clark.

Strategic Alignment / Link:

We are a prosperous community that continues to grow in a sustainable manner by investing in infrastructure.

Respectfully Submitted By:

John Yungblut, Director of Public Works

Approved By:

Mary Rose Walden, Chief Administrative Officer