



Capital Business Case

**Spencerville Pump Station # 1
Transfer Switch Replacement**

2023 Budget

Spencerville Station # 1 Transfer Switch

Executive Summary

The Spencerville Sanitary Pumping Station # 1 was commissioned in 1989. The pumping station utilizes a standby generator and transfer switch in the event of a power outage. The standby generator plays an important role in ensuring the pumping station remains functional during a power outage to prevent untreated sewage from bypassing to the South Nation River or backing up into homes. When power from the Hydro One grid fails, the generator automatically starts and the transfer switch transfers the pump station from the Hydro grid to the generator for a source of power.

Business Need

Gal Power has advised E/S during routine inspections and servicing that the transfer switch is obsolete and that there are no parts available if the switch fails. The transfer switch is of original vintage and has been serviced previously due to a malfunction.

Options or Solutions Analysis

Option 1: Contract GAL power to supply and install a new transfer switch.

Option 2: Continue to operate existing aging switch with the increased risk of failure.

Financial and/or Non Financial Benefits

GAL Power provided a budgetary estimate of \$7686.89 to supply and install a new transfer switch. Approximate lead time is 2-4 weeks for transfer switch. GAL Power is our service provider for preventative maintenance and emergency repairs.

Risk Analysis

Failure to proactively replace obsolete and aging equipment could increase the risk of an emergency failure. Failure of the transfer switch could result in a sewer bypass to the South Nation River or back up into homes.

Recommendation

Option 1: Purchase and replace transfer switch.

Implementation Plan

Contract GAL Power to supply and install a new transfer switch.

Documentation

Quotation attached.

Acceptance Sign-off

Lead Department

Prepared By: [Eric Wemerman, Chief Water/Sewer Operator] **Date:** 01-16-2023

Signature: *Eric Wemerman*

Approved By: Sean Nicholson, Treasurer **Date:** 01-30-2023

Signature: *SN*

Approved By: Dave Grant, CAO **Date:** 01-30-2023

Signature: *D Grant*