



# **Capital Business Case**

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

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**2023 Budget**

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## **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Gal Power has advised E/S during routine inspections and servicing that the transfer switch is obsolete and that there are no parts available if the switch fails.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:** *Sean Nicholson*

**Approved By:** Dave Grant, CAO

**Date:** 01-30-2023

**Signature:** *Dave Grant*