



REPORT TO COUNCIL

To: **Mayor and Councillors**

Subject: **Firehall Emergency Generator Replacement**

File #: 7202.00

Doc #:

From: Rory Thompson
Fire Chief

Date: May 29, 2019

RECOMMENDATION:

THAT City Council approve up to \$50,000 be allocated from the Enterprise Fund to replace the Fire Hall emergency generator.

PURPOSE:

The purpose of the report is to seek funding from the Enterprise Fund to cover the replacement of the firehall emergency generator.

POLICY:

None.

COMMENTS/ANALYSIS:

Recently the motor powering the emergency generator at the firehall failed. The emergency generator supplies full power to the firehall in case of a power grid failure.

Cullen Diesel Power mechanics were called in to assess the damage and found metal fragments and filings in the drive motor's oil pan. Replacement parts for the motor are no longer available. Technicians also noted that parts were no longer available for the electric generator itself. Their recommendation is that the cost effective option is to replace the entire emergency generator assembly.

In the interim, the fire department has rented a trailer mounted standby emergency generator which is costing \$3,282 per month.

A Request for Quotations (RFQ) was advertised and three bids were received for a replacement 80kw generator with a 90-hour fuel supply. The recommended successful bid is for \$42,452.48 from Cummins Sale and Service with a projected delivery time of 10-12 weeks. An estimated additional \$6,000 will be required to hire an electrical contractor to complete the installation and electrical hookup to the building.

BUDGET IMPLICATIONS:

This is an unanticipated equipment failure and there is no funding available in the fire department operational budget to cover this cost.

ALTERNATIVES:

Consider replacing the motor itself with an after-market product. However, an expert machinist would have to be engaged to reengineer a new mounting bracket so that the replacement motor and generator would be properly aligned and balanced.

Respectfully Submitted,



Rory Thompson
Fire Chief

CHIEF ADMINISTRATIVE OFFICER'S COMMENTS:

I support the recommendation.



Darrin Leite, CPA, CA
Deputy CAO / Director of Corporate Services

Attachment:

1. Bid Evaluation RFQ2019-017 One (1) Standby Diesel Generator