

Request for Decision



To: Regular Meeting
From: **Outside works**
Date: February 11, 2019
Subject: Early budget approval for time sensitive capital projects
Recommendation: **THAT Council approves the “Three phase electrical meter replacement” capital project budget of \$40,000; AND THAT Council approves the “Recloser for feeder #5” capital project budget of \$30,000; AND THAT Council approves the “Flood alert monitoring” capital project budget of \$24,000; AND THAT these projects be included in the Five Year Financial Plan for the years 2019-2023.**

Background

Staff are requesting early budget approval for three capital projects that are time sensitive. The full budget approval process finishes in May, but these projects would be best started before then because of verification deadlines, risk of equipment failure, or freshet preparations.

Three phase electrical meters replacement

Budget: \$40,000

The City of Grand Forks will be able to consolidate an existing 12 poly phase meters types into 2 types which will make inventory, installation, and re-verification much easier going forward. It is mandatory that different sample batches of meters get changed out for testing to maintain compliance.

Recloser for feeder #5

Budget: \$30,000

The Grand Forks electrical distribution system has four VWE type re-closers. The re-closers need repair or replacement because bushings are showing signs of cracking, and the internal components are due for a service overhaul. The new FortisBC substation can supply up to 12.7 kA of fault current which is slightly beyond the 12 kA rated capacity of the existing VWE re-closers. Staff propose installing new and correctly rated equipment.

Flood Alert Monitoring units

Budget: \$24,000

By installing sensors in manholes that measure the level of fluid in the system, operations can track potential backups before they cause problems. These sensors are used in other municipalities in BC and Alberta. This project will test three sensors to see how effective they are in Grand Forks and can be used in many different applications.

Benefits or Impacts



Fiscal Responsibility

- We will continue to proactively identify and plan for infrastructure repair and replacement.
-

Recommendation

THAT Council approves the “Three phase electrical meter replacement” capital project budget of \$40,000;
AND THAT Council approves the “Recloser for feeder #5” capital project budget of \$30,000;
AND THAT Council approves the “Flood alert monitoring” capital project budget of \$24,000; AND
THAT these projects be included in the Five Year Financial Plan for the years 2019-2023.

Options

1. THAT Council accepts the report.
2. THAT Council does not accept the report.
3. THAT Council refers the matter back to staff for further information.

Report Approval Details

Document Title:	RFD 2019 Early capital approval .docx
Attachments:	
Final Approval Date:	Jan 31, 2019

This report and all of its attachments were approved and signed as outlined below:

David Reid - Jan 30, 2019 - 5:03 PM

Diane Heinrich - Jan 31, 2019 - 10:31 AM