



BOARD REPORT

- TO:** Chair and Directors
- SUBJECT:** Electoral Area G: Cedar Heights – Lake Pump Failure
- DESCRIPTION:** Report from Tim Perepolkin, Manager, Utility Services, dated October 2, 2024. Emergency repairs and pump replacement funding allocation.
- RECOMMENDATION #1:** THAT: the Board approve reallocation of \$30,750 of surplus funds from the Area G - Community Works Fund originally approved for the 2023 Cedar Heights Valve Replacement Project to cover costs of the emergency repairs.
Corporate Vote Weighted
- RECOMMENDATION #2:** THAT: the Board approve use of \$65,000 from the Strategic Priorities Community Works Funds to cover costs associated with replacement of pumps, motors, piping and electrical cables.
Corporate Vote Weighted

SUMMARY:

Cedar Heights Water System intake pump failures have resulted in the necessary emergency repairs and additional replacement works that were not accounted for in the 2024 budget.

Staff are requesting reallocation of surplus Area G Community Works Funds (CWF) originally approved for the 2023 Cedar Heights Valve Replacement Project to cover costs of the emergency repairs needed to temporarily restore water supply to Cedar Heights.

Staff are further requesting access to Strategic Priorities Funds to cover the costs of supply and installation of new intake components including pumps, motors, piping and electrical cables to replace old aged out infrastructure and restore intake pump supply.

BACKGROUND:

In August 2024 one of the two Cedar Heights lake pumps failed, the second pump failed two weeks later resulting in complete loss of source water supply. After the second pump failure, emergency works were immediately undertaken to provide temporary water supply until the lake pump(s) could be repaired/replaced. In consultation with Interior Health and neighbouring Shuswap Lake Utilities water system, a temporary jumper supply was installed followed by temporary rental pumps to supply water direct from the lake. A temporary outdoor water use restriction and boil water notice were implemented to reduce system demands and advise of potential health risks associated with the temporary supply. Staff were able to source a replacement pump motor out of Kelowna and divers worked late into the night with CSR D electrical/maintenance contractors to restore operation of one pump. The emergency repair works completed are only temporary and do not provide any backup, there is still a need to replace both pumps, motors, piping and electrical cables as they are all beyond their useful life.

Staff have secured 2 new replacement pumps, motors and electrical cables and plan to proceed with installation prior to winter to ensure continued reliable system operation. Lead time on these materials

is approximately 8 weeks. This work is all required as a result of equipment failure and was not planned for in the 2024 budget.

POLICY:

N/A

FINANCIAL:

In 2023, Community Works Funds were allocated to complete system valve replacement work, this work was completed in 2024 and \$30,750 surplus funds remain unused. Staff request Board approval to reallocate these surplus funds to cover the costs of the emergency repair works that have been completed in the temporary restoration of water supply.

Staff request funds from the Strategic Priorities CWF to cover costs estimated to be \$65,000 to replace pumps, motors, pipe, and electrical cables. The uncommitted balance of these funds is approximately \$363,000 on September 30, 2024.

KEY ISSUES/CONCEPTS:

N/A

IMPLEMENTATION:

N/A

COMMUNICATIONS:

N/A

DESIRED OUTCOMES:

That the Board endorse the staff recommendation(s).

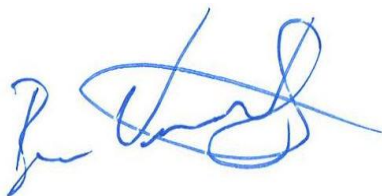
BOARD'S OPTIONS:

1. *Endorse the Recommendation(s).*
2. *Deny the Recommendation(s).*
3. *Defer.*
4. *Any other action deemed appropriate by the Board.*

Report Approval Details

Document Title:	2024-10-17_Board_EUS_Cedar Heights_Lake Pump Failure.docx
Attachments:	
Final Approval Date:	Oct 4, 2024

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



Ben Van Nostrand



Jodi Pierce



Jennifer Sham



John MacLean