



Regional Board Report

Request for Decision

Approved for Board Consideration

A handwritten signature in black ink that reads "Brian Reardon".

Brian Reardon, CAO

To: Regional Board

From: David Komaike, Director of Engineering Services

Date: May 30, 2022

Subject: North Westside Water Systems - Back-up Power

Voting Entitlement: #1 All Directors – Unweighted Corporate Vote – Simple Majority (LGA s.207)
#2 All Directors – Weighted Corporate Vote – Majority (LGA s.210)
#3 All Directors – Weighted Corporate Vote – Majority (LGA s.210)

Purpose: To seek a budget amendment to fund the installation of manual transfer switches for the public water systems in Killiney Beach and Westshore.

Executive Summary:

At the February 28th 2022, Regional Board Meeting, the Board adopted the following resolution:

“THAT the RDCO Board direct staff to bring forward a report which identifies options for the provision of backup power to the Electoral Area West public water systems”

To fast track and identify options for backup power, Administration leveraged an existing contract with Urban Systems who was already completing a comprehensive study of the public water systems in the Electoral Area West. Urban Systems was asked to review the backup power requirements for the various water systems and infrastructure and consider how it related to the current and future requirements of the service.

The water study and identification of backup power options for the EA West public water systems was expected to be completed in May 2022. The consultant has advised it will be completed in June month due to staffing constraints. However, based upon the preliminary engineering assessment, Administration is recommending that we proceed with the installation of manual transfer switches to 5 facilities within the Westshore and Killiney Beach Water Systems.

The estimated cost of the transfer switches is approximately \$15,000 per facility or \$75,000 total, but the procurement team has advised that supply chain challenges and limited availability of contractors continue to be an issue and to expect delays to typical procurement timelines. Administration recommends adding a contingency of \$25,000 to this preliminary estimate to compensate for supply chain/contractor challenges. A total budget of \$100,000 is recommended.

Funding for the project is available from the Community Works Fund (CWF) portion of the Canada Community-Building Fund (formally known as the Gas Tax Fund). The estimated balance of uncommitted funds in the CWF reserve is \$3.59 Million.

Recommendation #1:

THAT the Regional Board requests staff proceed with the installation of manual transfer switches to the Killiney Beach and Westshore Estates Water Systems.

Recommendation #2:

THAT the Regional Board approve an amendment to the 2022 capital budget for Cost Centre 301 – Killiney Beach Water System in the 2022 – 2026 Financial Plan Bylaw for the installation of manual transfer switches for an estimated cost of \$60,000 by:

1. increasing the transfer from the Community Works Fund Reserve revenue by \$60,000; and
2. increasing the Equipment expense by \$60,000.

Recommendation #3:

THAT the Regional Board approve an amendment to the 2022 capital budget for Cost Centre 307 – Westshore Water System in the 2022 – 2026 Financial Plan Bylaw for the installation of manual transfer switches for an estimated cost of \$40,000 by:

1. increasing the transfer from the Community Works Fund Reserve revenue by \$40,000; and
2. increasing the Equipment expense by \$40,000.

Respectfully Submitted:



David Komaike, P.Eng.
Director of Engineering Services

Strategic Plan Alignment:

Priorities: Sustainable Communities, Environment

Values: Good Governance, Resiliency

Background:

A detailed service review of the water systems for the communities in the Westside was approved as part of the 2021 RDCO Operating Budget. The project was included in the Engineering Services Department's 2021 Work Plan and began in May 2020. Urban Systems was commissioned to develop a staged 20 year plan that would summarize projects and provide recommendations to address and/or validate water treatment and distribution risks within the Killiney Beach and Westshore water systems.

The final study, expected in May 2022 has been delayed until June 2022. The study will provide a detailed roadmap that the RDCO will use to identify water related project needs and funding requirements for the next 20 years to sustain Killiney Beach and Westshore water systems while achieving and

maintaining regulatory compliance. This roadmap will include actions to be taken by the RDCO to validate the need for a project, enable its deferral, or prove that it is not required.

The consultant has been asked to also review the use of generators and other methods to ensure water security for the areas in light of other proposed system improvements recommended as part of the 20-year Capital Plan.

Considerations:

Organizational/External:

The water study will provide a detailed roadmap for the provision of water services to EA West for the next 20 years and beyond. It will ensure that the utility remains in full compliance with Interior Health Regulations for the foreseeable future.

Financial:

The water study will form the basis of future system design and improvements. It will allow for the focused spending of reserves and facilitate grant applications for system improvements.

Alternate Recommendation:

THAT the Regional Board receives the report on the North Westside Water Systems - Back-up Power, dated May 30th, 2022 from the Director of Engineering for information.

Considerations not applicable:

- Legal/Statutory Authority
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