

North Westside Water Systems - Back-up Power

Regional Board Meeting

May 30, 2022

1450 K.L.O. Road
Kelowna, BC, V1W 3Z4
rdco.com



North Westside Water Systems

Purpose

- To seek a budget amendment to facilitate the installation of manual transfer switches for the water systems in Killiney Beach and Westshore Estates.

Background

- Detailed Service Review of the Killiney and Westshore Water Systems began in May 2020
- Goal of the study is to develop a long-term, sustainable plan for the water systems.
- Study completion expected June/2022.

Water Study

- The Water Study by Urban Systems includes:
 - Review of all previous studies.
 - Review of the Treatment Options, including:
 - 2 - Water Treatment Plants for Killiney and Westshore
 - 1 - Shared Water Treatment Plant for Killiney and Westshore
 - Point of Enter Water Systems
 - High-capacity water well in Fintry
- Add pursuant to the Board Motion of February 28th, 2022, the consultant was asked to review the use of generators within the water systems.

Generators – Preliminary Assessment

- The preliminary cost estimate: \$1.5M to \$2.5M.
- Design, Construction, and Installation would be extremely challenging in today's marketplace.
- Tender prices exceeding Budgets routinely by more than 50%.
- Delivery times greater than 9-months for equipment commonplace.
- No guarantee that the generators will serve a long-term future need.

Manual Transfer Switches

- Provides an interim cost-effective solution.
 - \$20,000 per installation vs. \$400,000
- Reduces the time to connect a portable generator by 80%
- May allow for future re-use within the system.
- Electrical contractors available to complete the installation.
- Quicker delivery than generators.

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.