

North Westside Regional Water System

Regional District of Central Okanagan Board Meeting

February 19, 2026

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



Background



Westshore Estates & Killiney Beach

Existing Water Treatment:

- No Treatment beyond Chlorine
- Experiencing extended advisory lengths because of water quality
- Limited resiliency / back-up
- Intakes vulnerable (shallow)

Background



11 consulting studies completed since 2010 (>\$100k)



Provincial Drinking Water Treatment Objectives not met



Open to risks from pollution and invasive species

Quagga Mussel Impact



Expert Recommendation

Urban Systems, September 2022 Report:

“Overall, we consider Option 1B, with a common groundwater source and WTP at the Fintry/Shorts Creek Aquifer, the most favourable of the options. Here is a summary of why Option 1B was selected...”

- **Lowest Capital and 40-year Lifecycle Costs**
- **Eliminates investment in lost infrastructure**
- **More efficient operations**
- **Favourably positioned for Grant Funding**
- **Service Extension opportunities**

Expert Recommendation – Point of Entry

Urban Systems, September 2022 Report:

“In BC, communities with POE / POU typically have 15 or fewer connections. The British Columbia Water & Waste Association (BCWWA) recently completed a small water system project and found that the cost/benefit begins to drop after five installations.

*Given that the ultimate build-out for Killiney and Westshore are 427 and 526 residential connections, respectively, **we do not believe that POE / POU water treatment should be considered further.**”*

Option 1B: North Westside Regional Water Line

Uses High Quality & Compliant groundwater

Flows by gravity via pipeline from

- Fintry to Killiney Beach
- Killiney Beach to Westshore Estates

Not impacted by pollution or invasive species

Reduced need for pumping & treatment

- Lower cost operations

A robust 80+ year drinking water solution

Post-Grant cost of ~\$50/HH/month

Relevant Board Resolutions

Sept 26, 2022:

***THAT** the Regional Board receive the Killiney Beach and Westshore Estates Water Systems Study: Summary and Evaluation of Supply and Treatment Options (rev.5) as prepared by Urban Systems, and attached to the report from the Director of Engineering Services dated September 26, 2022 for information;*

***AND THAT** the Regional Board support staff preparing a Killiney & Westshore Water System Upgrade project plan for Board consideration at a future meeting based on the recommended Option 1 (A or B) as outlined in the Killiney Beach and Westshore Estates Water Systems Study.*

Nov 28, 2024:

***THAT** the Regional Board receive the North Westside Regional Water System Project Plan Update report from the Associate Director of Development and Engineering Services dated November 28, 2024, for information.*

Notice of Motion

- January 22, 2026:

***THAT** the Regional Board direct staff to cease advancement of the North Westside Regional Water System project in its entirety and remove all associated project costs from the 2026-2030 Financial Plan.*

Interior Health Authority

“It’s important that the Board clearly understands that this approach was considered an acceptable option for meeting the Conditions of Permit if it was accompanied by a corresponding implementation plan. If the Board decides not to proceed with the North Westside Regional Water Line, Interior Health will consider the condition out of compliance until an alternative plan is submitted. In that case, the systems would effectively no longer be progressing toward compliance.”

January 30, 2026

Interior Health Authority – Point of Entry

“Interior Health is willing to discuss and update timelines for achieving compliance in consideration of logistical and financial challenges, provided that these challenges are not introduced because of further exploration of options, like Point-of-Entry/Use, that have already been confirmed as not feasible. When there is no practical plan and/or commitment to implement improvements, compliance activities are expected to progress beyond permit conditions.”

January 30, 2026

Alternative Options Not Selected				
	Regulatory Feasibility	Technical Feasibility	Capital Cost	Operating Cost
Submarine Transmission	✓	✓	27% more	Similar
Independent WTPs	✓	✓	64% more	156% more
Common WTP	✓	✓	21% more	131% more
Point of Entry (PoE)*	✗	✓	10% less	2150% more
Alternative Water Sources	✗	✓	Unknown	Unknown
OKIB Connection	✗	✓	Unknown	Unknown

*Based on a 40-year capital cycle (direct comparison to other options)

Key Considerations

Cancelling will:

- Require a new pathway to compliance with additional costs (21% - 156%)
- Result in regulatory compliance action against the RDCO
- Delay grant readiness
- Increase lifecycle costs

Proceeding with the project:

- Positions the RDCO to be eligible for significant grant funding
- Furthers long-term safe, clean and sustainable drinking water infrastructure
- Minimizes lifecycle costs
- Supports community health for all communities connected along the pipeline

Recommendation

All Directors – Unweighted Corporate Vote – Simple Majority (LGA s.208)

THAT the Regional Board receive the Report titled ‘North Westside Regional Water System – 2026’ from the Associate Director of Engineering Services dated February 19, 2026 for information.



Thank you