



Making a difference...together

REPORT TO REGIONAL WATER SUPPLY COMMISSION MEETING OF JUNE 17, 2026

SUBJECT **Regional Water Supply Service 2026 Mid-Year Capital Projects and Operations Update**

ISSUE SUMMARY

To provide a mid-year update on the Regional Water Supply Service (Service) capital program and operations.

BACKGROUND

Capital Program Update

The Regional Water Supply (RWS) capital program reflects the planned capital spending for the next five years and forms part of the annual service budget that is approved in March each year by the Capital Regional District (CRD) Board. In 2026, there were 77 capital projects identified, some of which are programs containing several sub-projects. The approved 2026 budget is \$77,456,336 million. The status of the major projects progressing in 2026 is detailed in Appendix A. Additional smaller projects, such as the annual provisional items, will also progress and are prioritized based on criticality and resourcing.

Operations Update

Water Operations has continued to deliver planned and corrective maintenance activities across the RWS system during the first half of 2026. Key operational highlights are summarized below.

Main No. 4 – Live Repair of Chamber Coupling

Water Operations staff completed a live repair of a leaking 762mm diameter chamber coupling on the Main No. 4 transmission main. The repair was executed using a custom welded encapsulating coupling, allowing the work to be performed safely without taking the main out of service. This approach minimized system risk and avoided service interruptions while effectively resolving the leak. This section of the main cannot be taken out of service without significantly impacting water supply to Saanich and the Saanich Peninsula.

Alderley Pressure Reducing Station – PRV Replacement

The 300mm diameter pressure reducing valve (PRV) at Alderley Pressure Reducing Station was replaced as part of ongoing asset reliability improvements. The new valve restores reliable pressure control within the Transmission System and reduces the likelihood of unplanned maintenance or service impacts. The work was completed while keeping the station online, with no impact on the downstream water supply.

Mains 4 & 5 Raw Water Flushing

Flushing of Mains 4 and 5 on the raw water system was successfully completed in March, utilizing the interconnect installed in 2025. The interconnect continues to provide enhanced operational flexibility and improved flow control, supporting more effective and efficient flushing activities. The primary purpose of this activity is to remove sediment from the mains, which can become suspended during peak summer flow conditions. Removing this sediment reduces both the severity and likelihood of turbidity events and water quality concerns.

Valve Exercising Program

The valve exercising program remains ongoing and continues to provide system-wide condition monitoring benefits. Crews systematically operate all supply system valves to ensure reliability and proper function, inspect associated infrastructure such as valve chambers, and document any deficiencies for inclusion in capital planning and asset management programs. Minor repairs and deficiencies are addressed in a timely manner. This preventative inspection and maintenance program is critical to maintaining system reliability, particularly when operating an ageing system. Routine valve inspections help prevent valve failure during emergency isolations, ensure operability when needed, and support informed, risk-based infrastructure investment decisions. The chamber coupling leak was identified by crews performing this activity, for example.

Dam Surveillance and Reporting

Weekly dam surveillance inspections are conducted for fifteen dams across the Sooke and Goldstream watersheds, with reporting activities continuing in coordination with the Dam Safety Group. This ongoing program is critical to ensuring regulatory compliance and supports the early identification and mitigation of potential issues. Regular inspections help maintain long-term safety, reliability, and performance of dam infrastructure.

Sooke Lake Watershed Dams – Regulatory Compliance, Dam Safety Planning & Analyses

In response to the Dam Safety Review projects completed for Sooke Lake Dam, Sooke Lake Saddle Dam, and Deception Gulch Dam in recent years, staff are working on a variety of dam safety analyses projects with consultants, including seismic stability assessments, probabilistic seismic hazard assessment, and conceptual design of seismic retrofits for the dams.

Goldstream Watershed Dams – Regulation Compliance, Dam Safety Planning & Analyses

A consultant has been engaged to undertake a Dam Safety Review Audit for the 11 Goldstream Watershed Dams. The audit will identify dam safety deficiencies and non-conformances to be addressed. The final report is anticipated in fall 2026, following submission an action plan will be developed and submitted to the Regulator.

CONCLUSION

This report provides operational and capital program updates for the Regional Water Supply Service.

RECOMMENDATION

There is no recommendation. This report is for information only.

Submitted by:	Joseph Marr, P.Eng., Senior Manager, Infrastructure Engineering
Submitted by:	Shayne Irg, P.Eng., Senior Manager, Water Infrastructure Operations
Concurrence:	Jason Dales, B.SC., WD IV, Acting General Manager, Infrastructure and Water Services
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

ATTACHMENT(S)

Appendix A: RWSS Capital Program – Current Status of Active Projects