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REPORT TO REGIONAL WATER SUPPLY COMMISSION
MEETING OF WEDNESDAY, JULY 16, 2025

SUBJECT **Regional Water Supply Service 2025 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 2025, there were 78 capital projects identified, some of which are programs containing several sub-projects. The approved 2025 budget is $106.4 million. The status of the major projects progressing in 2025 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 is responsible for the operation and maintenance of the RWS System, including both planned and unplanned activities. The 2025 operating budget totals $8.1 million, and expenditures remain on track with no significant variances expected for the remainder of the year. Belos is a summary of key operational activities carried out to date in 2025.

Emergency response
The RWS System is remotely monitored 24 hours a day, seven days a week from the Goldstream Water Treatment Plant. This includes oversight of the RWS Transmission System, Goldstream and Sooke River Road Treatment Plants, Sooke Lake Dam, and the Goldstream Lakes dams. A Water Operator always remains on call outside of regular working hours to respond to emergency callouts across the RWS and Juan de Fuca Water Distribution Systems. As of mid-2025 there have been no major emergency responses.

Main 4 & 5 Raw Water Interconnect
A 300-millimeter (mm) interconnect between Mains 4 and 5 was installed to reduce wear and risk of failure on the critical isolating butterfly valves downstream of the Kapoor Tunnel, and to enable better flow control during flushing. All work proceeded on schedule, with no significant issues encountered.

Butchart Dam – Tree Stump Removal
In response to findings from the Dam Safety Review, Water Operations staff, with field direction and oversight from a dam consultant, removed multiple tree stumps from both the upstream and downstream faces of Butchart Dam. Following manual stump removal, the areas were properly

backfilled, and the locations were physically marked. The consultant reported a successful outcome with no major challenges. This work mitigates the risk of future dam face depressions caused by rotting stumps, which can be misinterpreted as structural issues. The repairs also restore dam face integrity, reducing the potential for future weak spots.

Sooke Lake Intake Tower – Gate 1 Actuator Replacement
Gate 1 at the Sooke Lake Intake Tower had become increasingly unreliable and was no longer operating as intended. The original actuator, installed in the 1970s, was replaced by Water Operations staff. The team safely isolated the gate and associated power supply, disassembled the actuator housing and gearing, and completed the installation of a new unit. The system was tested and returned to service without any issues. Gates 1 and 2 are the primary flow control points for water entering the Kapoor Tunnel and Goldstream Treatment Plant. Maintaining reliable function is critical to overall system control and long-term infrastructure performance.

CONCLUSION

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

RECOMMENDATION

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

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ATTACHMENT(S)

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