

REPORT TO SURFSIDE PARK ESTATES WATER SERVICE COMMITTEE MEETING OF OCTOBER 23, 2025

SUBJECT **Capital Projects and Operational Update – October 2025**

ISSUE SUMMARY

To provide the Surfside Park Estates Water Service Committee with capital project status reports and operational updates.

BACKGROUND

The Surfside Park Estates Water System is located on the southwest side of Mayne Island in the Southern Gulf Islands Electoral Area and provides drinking water to approximately 70 customers. Capital Regional District (CRD) Infrastructure and Water Services is responsible for the overall operation of the water system with day-to-day operation, maintenance, design, and construction of water system facilities provided by the CRD Infrastructure, Planning and Engineering and Water Infrastructure Operations divisions. The quality of drinking water provided to customers in the Surfside Park Estates Water System is overseen by the CRD Water Quality division.

CAPITAL PROJECT UPDATE

23-01 | Alternative Approval Process (AAP) / Petition

Project Description: Undertake an AAP or petition to borrow funds to carry out water system improvements in future years.

Project Rationale: Capital Reserves are insufficient to carry out needed capital improvements in the water service. In the absence of grant funding, approval to secure debt will be required in order to proceed with capital improvements.

Project Update and Milestones:

- CRD incorporated preliminary cost estimates into the 2025 Capital Plan and will await Committee review and comment prior to proceeding with the means to secure debt funding.
- A staff report was presented in June 2025 outlining staff's recommendation for obtaining public approval to secure debt funding.
- A petition to authorize proposed borrowing for major water infrastructure improvements commenced on August 1 and closed on October 1. A public information session was held on Mayne Island August 12 providing information to the community about the proposed projects, project funding, details of the petition process, and to answer questions from the public. At the time of writing this report, an insufficient number of petitions have been received to consider the petition to have passed, meaning any debt funded (referenced below) projects will need to be deferred.

Debt Funded Projects dependent upon 23-01 Petition:

Project Number	Capital Project Title
24-01	Wood Dale Drive Watermain Replacement
25-01	Water Storage Tank Replacement

25-02 | Replacement of Ultraviolet (UV) Equipment

Project Description: Replacement of UV equipment at the Surfside Water Treatment Plant.

Project Rationale: Existing UV equipment is at end of life and is needing repair parts which are no longer supported. Replacement is deemed necessary.

Project Update and Milestones:

- Existing unit failure led to expedited order of replacement unit. Price escalation since budgeting in previous year, as well as new controls requiring additional SCADA integration have resulted in cost overruns. A Capital Plan Amendment staff report was provided in June 2025.

Milestone	Completion Date
Capital Plan Amendment for additional controls upgrades	June 2025
Installation of replacement UV reactor complete	Q2 2025

OPERATIONAL UPDATE

This is an operational update reporting period from June through September 2025.

- Completed the water treatment prefilter media replacement as planned on June 10. This preventative maintenance work is funded through the Operating Reserve Fund (ORF) with a \$5,000 budget. While undertaking the work, it was determined that the filtration media vessels also required replacement with unanticipated additional costs exceeding the budget by approximately \$2,300.
- Corrective maintenance completed on the arsenic filtration media process piping. The contract operator found a cracked fitting and conducted permanent repairs and placed the water treatment plant back into full operation.
- Continued monitoring weekly water production information throughout the reporting period. Daily water production on average for June through September is approximately 27 cubic meters (m³) per day which continues to be significantly lower than the 68m³/day prior to the leak repairs completed in early March. This is a significant improvement for the service. Operations will continue to monitor water production and water demand closely through to December and will report actual water loss in early 2026.
- Arsenic filtration media replacement summary:
 - Vessel A: February 7, 2025; August 1, 2025
 - Vessel B: February 7, 2025
- Bi-weekly metals (arsenic) water quality sampling and testing frequency continued through this reporting period, where normal sampling frequency is monthly. The service will revert to monthly testing frequency after the media replacement of Vessel B which is anticipated in October or early November. This will allow the collection of valuable data for better predictability of media expiry and to reduce the risk of water quality exceedances for arsenic.

- Installed new water conservation signage on August 28. The sign was fully funded by a grant provided through the Union of British Columbia Municipalities (UBCM). It was installed at the intersection of Village Bay Road and Wood Dale Drive, as discussed with the Surfside Water Service Committee, by a contractor with support from CRD Communications staff. The old “sandwich board” style water conservation signage will no longer be used.

RECOMMENDATION

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

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