

**REPORT TO SAANICH PENINSULA WASTEWATER COMMISSION
MEETING OF THURSDAY, JULY 17, 2025**

SUBJECT **Saanich Peninsula Wastewater Service 2025 Mid-Year Capital Projects and Operations Update**

ISSUE SUMMARY

To provide a mid-year update on the Saanich Peninsula Wastewater capital program and operations.

BACKGROUND

Capital Program

The Saanich Peninsula Wastewater (SPWW) 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 are 16 capital projects identified with an expenditure estimated at \$5.6 million. The status of some of the more significant projects is detailed in Appendix A and their locations are shown in Appendix B. Additional smaller projects will also progress based on criticality and resourcing.

Operations Update

The Saanich Peninsula and Gulf Islands Operations team operates and maintains the Saanich Peninsula Wastewater Treatment Plant, Collection System and District Energy (Wastewater Heat Recovery) System, which includes a routine operational and preventative maintenance program. The 2025 annual operating budget is \$4.125 million and is on target for year-end.

Wastewater Treatment Plant

The wastewater system typically treats and discharges approximately 3,600 megaliters (ML) of wastewater annually. At mid-year, 1,819 ML have been treated and discharged. There have been no exceedances of the facility's operating permit to date.

Wastewater Collection System

The wastewater collection system includes the operations of the Sidney, Keating, and Turgoose Pumping Stations (primary sites) and the collection system piping. The Variable Frequency Drive (VFD) capacitor was replaced at Sidney Pump Station this year and Keating and Turgoose Pump Stations had new fall protection equipment installed.

Sludge Management

Dewatered untreated sludge is hauled and disposed of at the Hartland Landfill site. This will be resolved once the Residual Treatment Facility is ready to accept other municipal solids. On average, the treatment facility produces approximately 4,000 metric tons of biosolids per year. To date, 1,610 metric tons of biosolids have been disposed of at the landfill site.

District Energy System

The District Energy System (DES) provides heat energy for the Panorama Recreation Center

(PRC). The annual operating budget for the DES is approximately \$81,160 and is expected to be under budget by \$25,000 year-end due to a rate decrease in line with the cost of natural gas.

Operational Annual Provisional Items

The annual provisional account is in the Service's five-year capital plan and was established to provide funding for unplanned repairs/replacements that are outside of the operating budget contingencies. Unplanned repairs and replacements at mid-year are identified in the following table.

Project Title	Project Budget	Status
2025 Equipment Replacement – Annual Provisional	\$200,000	Project 1: Keating Pump Station standby power alternator replacement (\$80,000) Project 2: Conveyor belt replacement (\$20,000) Project 3: SPWW sludge pump refurbishment (\$15,000) Project 4: Sidney PS VFD capacitor replacement (\$11,000) Project 5: Oxidation Ditch DO Probe (\$10,000)

CONCLUSION

This report provides operational and capital program updates for the Saanich Peninsula Wastewater Service.

RECOMMENDATION

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

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ATTACHMENT(S)

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

Appendix B: SPWW – Significant Project Locations