

DATE: June 9, 2021

FILE: 5330-20/CVWTP

TO: Chair and Directors
Comox Valley Water Committee

Supported by Russell Dyson
Chief Administrative Officer

FROM: Russell Dyson
Chief Administrative Officer

R. Dyson

RE: Comox Valley Water Treatment Project Update

Purpose

To provide an update of key milestones and project metrics to ensure the Comox Valley Water Committee remain apprised of the progress of the Comox Valley Water Treatment Project (CVWTP).

Recommendation from the Chief Administrative Officer:

This report is provided for information.

Executive Summary

Commissioning activities are in full swing on the CVWTP. Milestones achieved include:

- All facilities in and around Comox Lake, including the intake, marine pipeline, pump station and raw water pipeline, are complete and commissioned.
- Water treatment plant (WTP):
 - All major mechanical equipment has been tested and individually run.
 - Filters are being filled with sand and anthracite ready for use.
 - Landscaping has commenced.
- Treated water transmission main pipe is complete and hydro-tested, ready for use.
- Fibre communications are now functional across new facilities.

On June 23, 2021, water will flow for the first time from the new intake all the way to our existing transmission system, and then on to the Comox Valley Water System users. Whilst this is still an interim step in commissioning, to move the first of the UV reactors we bought in 2018 up to the WTP, it will be the first time users experience positive changes to their water, with likely colder water at the tap. It may take up to 10 days for this water to reach some residents as it works its way through the transmission system.

Major upcoming milestones include:

June 16	Press release regarding upcoming change in water quality
June 23	Water flowing from intake, through WTP to public
Mid-July	Fully filtered water starts flowing to public
Mid-July	BC Hydro penstock is emptied for internal recoating project
Mid-Aug	Project commissioning complete & trailhead opening
Early Sep	Water Operations team move from Courtenay to WTP
End-Sep	Water Committee tour
October	Grand Opening

A project dashboard is attached as Appendix A, providing project metrics to summarize progress. Some highlights from the dashboard:

- The project is more than 90 per cent complete with \$111 million spent of the \$126 million budget.
- CVRD are forecasting only 20 per cent of the project contingency will be utilized (\$1.2 million of \$5.7 million). Staff have resolved the COVID-19 claim with the contractor.
- AECON has already exceeded their commitments for Community Employment Benefit hours for all identified groups by more than double (Indigenous peoples, apprentices and under-represented populations) and are forecasting to accumulate almost three times the total committed hours.
- The project will meet the publically communicated deadline of completion in summer 2021.

Prepared by:

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Government Partner/Stakeholder Distribution (Upon Agenda Publication)

K'ómoks First Nation	✓
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Attachments: Appendix A – CVWTP Dashboard



COMOX VALLEY WATER TREATMENT PROJECT

Construction progress dashboard



BUDGET

SPENT / ALLOCATED TO DATE

FORECAST TO COMPLETION

VARIANCE TO APPROVED BUDGET

Project costs before DB award			
Design-Build Cost			
Cost outside of DB post award			
Contingency			
Total Project Cost*			

Notes:



COMMUNITY EMPLOYMENT BENEFITS

COMMITMENT (HRS)

ACTUAL (HRS)

Indigenous Peoples		
Apprentices		
Under-represented Populations		



INCIDENTS

MINOR

MAJOR

Safety Incidents		
Environmental Incidents		



SCHEDULE

BASELINE SCHEDULE

FORECAST SCHEDULE

PROJECTED SCHEDULE VARIANCE

Notes: