

Constructing a New Water Treatment System

Project Backgrounder
October 2019



The Comox Valley Regional District (CVRD) is constructing a new water treatment system to deliver Comox Valley residents the modern system they deserve. The new system will eliminate the need for turbidity-related boil water notices, remove the risk of viruses and bacteria in our drinking water, and provide a secure supply of reliable, high quality drinking water for decades to come.

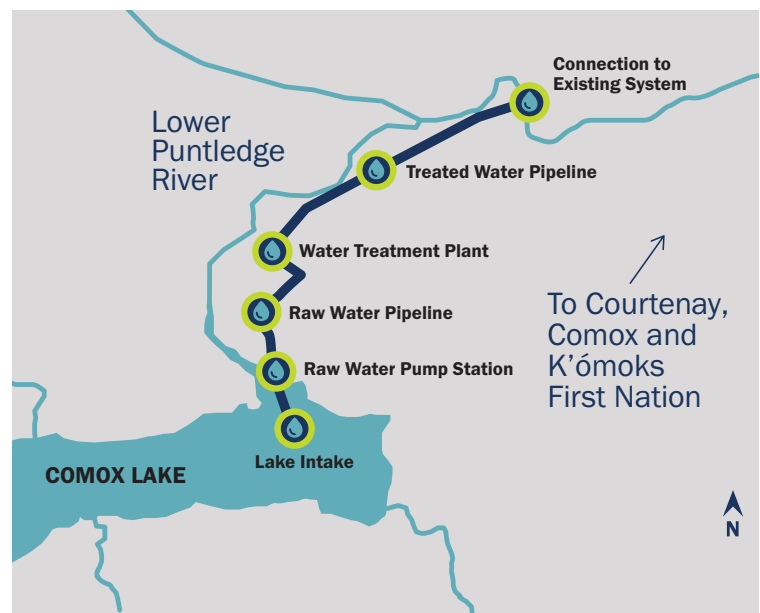
Plans for the new system

The new water treatment system will consist of a new lake intake, to access cooler, cleaner water, as well as a pump station, pipelines, forcemains and transmission mains. The new water treatment plant will use filtration, ultra-violet treatment and chlorination.

Construction underway now

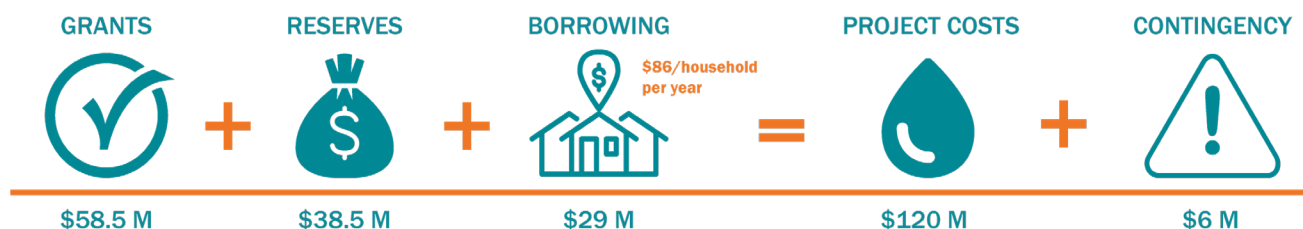
With approvals, licenses, agreements, land right-of-ways and the design-build contract awarded to AECON Water Infrastructure, construction of the project is now underway. AECON's plan for the new system includes innovative design elements like an underground pump station at Comox Lake, which will minimize concerns about noise from pump operations.

The CVRD respectfully acknowledges that the new water treatment system will be constructed on the traditional and ancestral unceded territory of the K'ómoks First Nation.

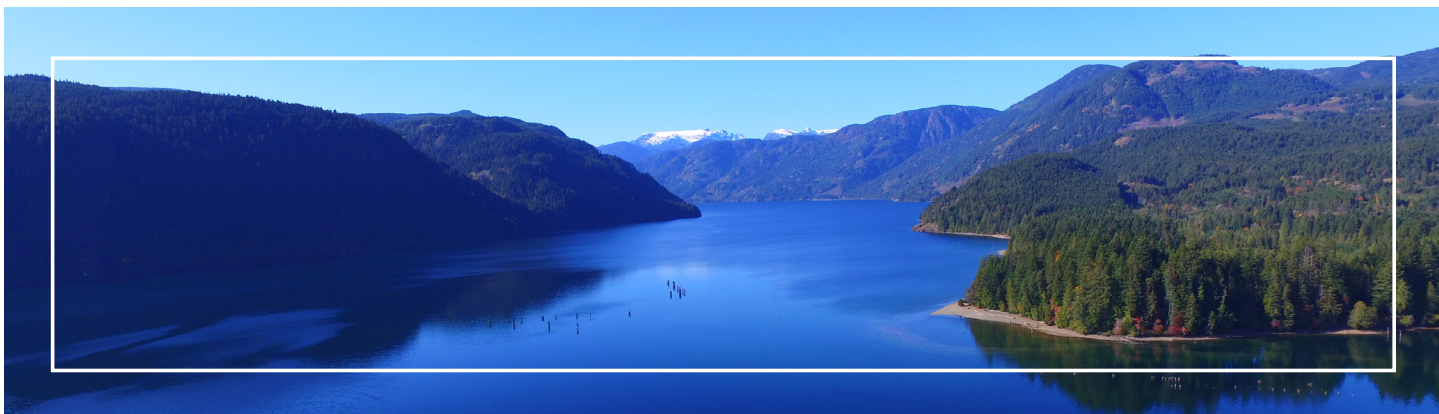


Components of the new system

Paying for the new system



The Comox Valley Water Treatment Project is estimated to cost \$126 million. The cost of borrowing will mean an increase in bulk water rates for users of the Comox Valley Water System, estimated at \$86 per household/year.



Water treatment plant site: design plans

The new water treatment plant and operations centre will feature:

- K'ómoks First Nation inspired design elements
- Sustainable landscape design that integrates with the natural environment
- Wood and other local, renewable materials
- Minimal and rustic trail head facilities, including graveled parking area for trail users
- New gravel trail that connects the parking area to the existing trail network

See the renderings below for a closer look at what to expect once construction is complete.

Construction timeline

With construction kicked off in Oct. 2019, next steps on the project will include:

2020

Construction complete on water pipelines

Fall
2020

Construction complete at Comox Lake (pump station and marine intake)

Spring
2021

Construction complete at Water Treatment Plant

Summer
2021

Commissioning complete

Fall
2021

Grand opening with K'ómoks First Nation



Entry to the operations centre.



New trailhead facilities and parking area.

To learn more about the project

Visit the project website at: comoxvalleyrd.ca/watertreatment or connectcvrd.ca/watertreatment

Email the project team at: engineeringervices@comoxvalleyrd.ca

Phone: 250-334-6000



comoxvalleyrd.ca   