



Rendering of Tertiary Treatment Plant at McLoughlin Point

CORE AREA WASTEWATER TREATMENT PROJECT BOARD

Project Information Update

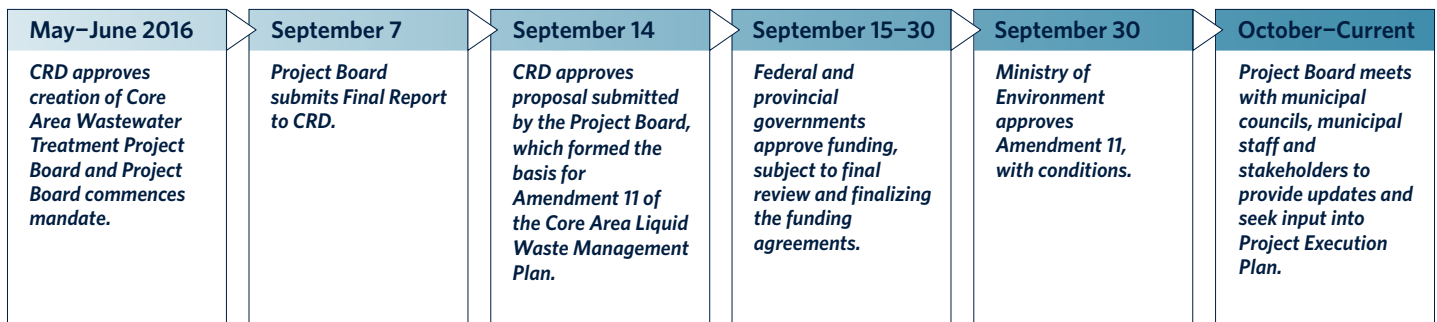
As a result of provincial and federal regulations, the Capital Regional District (CRD) has been mandated to provide wastewater treatment for its seven core area municipalities (Colwood, Esquimalt, Langford, Oak Bay, Saanich, Victoria, View Royal) and Esquimalt and Songhees Nations by December 31, 2020.

The Core Area Wastewater Treatment Project Board (Project Board) was formed in May 2016 to put together a plan for the CRD to comply with these regulations.

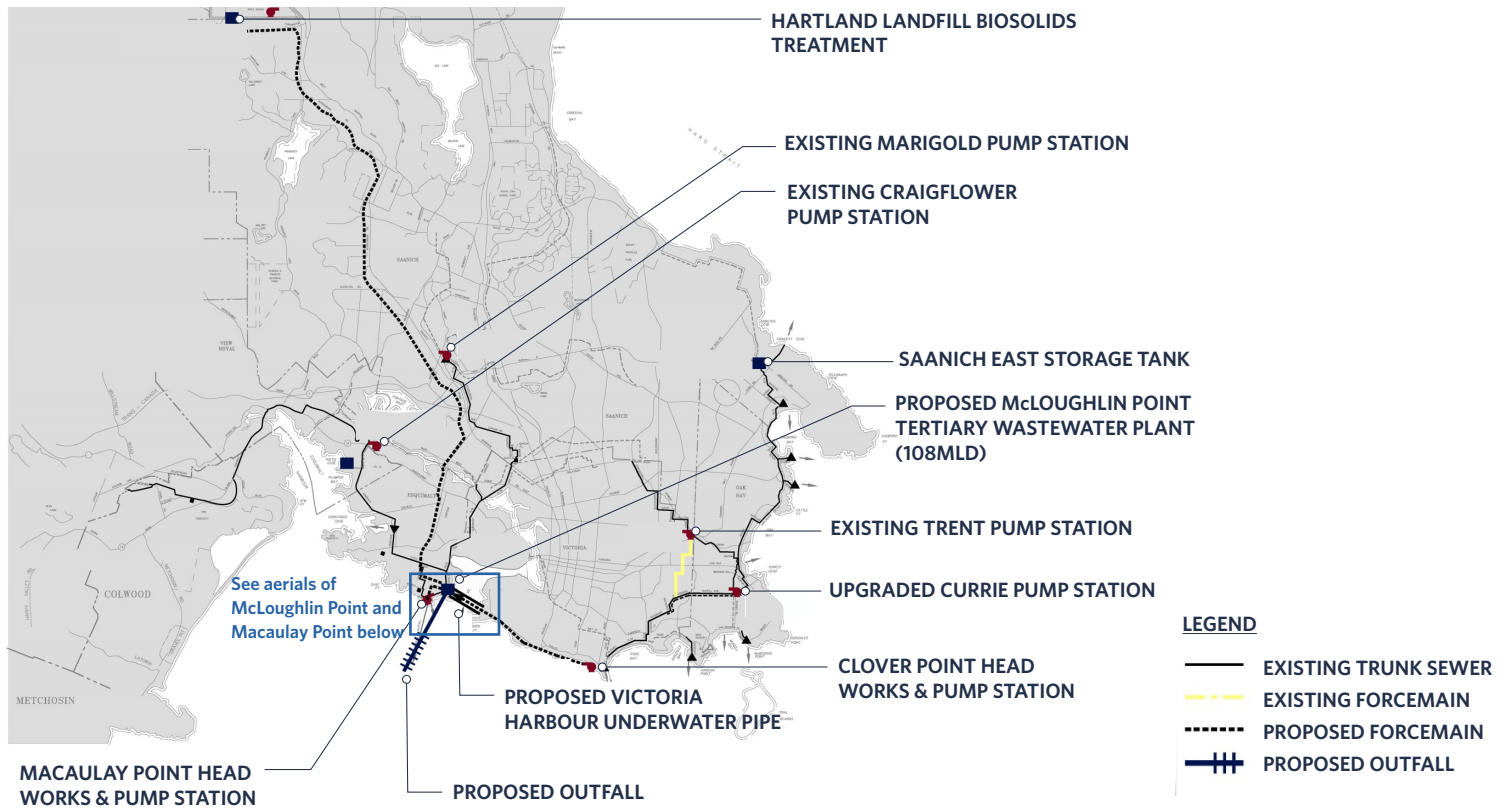
PROJECT GOALS

- Meet federal requirements for secondary treatment by 2020
- Minimize costs to residents
- Optimize opportunities for resource recovery
- Minimize greenhouse gas emissions
- Add value to communities and enhance livability of neighbourhoods

PROGRESS TO DATE



MAP OF THE PROJECT AREA



Macaulay Point - Proposed Head Works and Pump Station



McLoughlin Point - Proposed Tertiary Wastewater Treatment Plant



DETAILS OF THE \$765 MILLION PROJECT

- **Tertiary Treatment Plant** - 108 megalitre/day tertiary wastewater treatment plant at McLoughlin Point in Esquimalt, operated by the CRD. The plant will handle flows (with projected population increases) past 2040.
- **Responsive Plant Design** - smaller footprint, set back from the shoreline, walkway between the building and the shore, a multi-level green roof irrigated with treated water, and landscaping.
- **Collection System Upgrades** - including improvements to the existing building and surrounding site at the Macaulay Point pump station in Esquimalt.
- **Conveyance System Enhancements** - new infrastructure to move residual solids by pipe to the Hartland landfill in Saanich (route shown in map on page 2), and new outfalls at McLoughlin, Clover and Macaulay Point.
- **Residual Solids Treatment Plant** - at Hartland landfill to produce Class A biosolids, and interim storage of biosolids, pending the introduction of an integrated resource management solution for all waste streams.
- **Colwood Treatment Studies** - a commitment to fund CRD studies for a future wastewater treatment proposal in Colwood, including up to \$2 million to complete the required technical studies and environmental impact assessments. In mid-November, Colwood advised the Project Board it wishes to postpone these studies.
- **Upgrades to Existing Sewage Facilities** - the development of a multi-year plan to improve CRD sewage facilities to mitigate their impacts on host communities.
- **Integrated Plan for Waste** - the CRD will undertake a separate public process, from 2017 to 2019, with the participation of municipalities and First Nations, to review its regional waste management policy and develop a definitive plan for Hartland landfill and integrated resource management.

CRD Contribution by Household - based on the CRD capital, operating and maintenance funding, and using the CRD allocation methodology, the average annual contribution per household would range from a low of \$146 in Colwood to \$344 in Oak Bay, assuming all senior government funding contributions are in place.

NEXT STEPS

Ensuring that the public and stakeholders are well-informed, engaged, and kept up-to-date is a key priority for the Project Board.

Current Status

The Project Board is working with stakeholders while it develops a **Project Execution Plan**, which includes:

- Assembling a project management team
- Finalizing funding agreements with senior levels of government and agreements with First Nations
- Finalizing a project agreement with Harbour Resource Partners, the contractor for the construction of the wastewater treatment plant
- Keeping stakeholders informed with regular updates
- Participating in the development permit process for the wastewater treatment plant with the Township of Esquimalt
- Discussing the conveyance route with municipal engineering staff

The Project Board intends to finalize the funding and project agreements and obtain the development permit for the wastewater treatment plant by early 2017. Major construction on the plant is scheduled to begin in mid-2017, though some early work will begin before then. Procurement for the biosolids treatment facility at Hartland landfill will begin shortly. Construction is not scheduled to begin until mid-2018.

Stakeholder and Community Engagement Program

As part of the Project Execution Plan, the Project Board is developing a stakeholder and community engagement program for the project's construction phase. The development of that program will include:

- Meeting with local governments, First Nations, the Department of National Defence and stakeholders to discuss the Project
- Providing project updates to the CRD Board and Core Area Liquid Waste Management Committee
- Securing communications and community engagement resources
- Seeking input from local governments and other stakeholders to develop a program
- Engaging with members of the community to inform the implementation of the plan

The development of the stakeholder and community engagement program will be completed by end of 2016 and will be shared with communities in early 2017.

FOR MORE INFORMATION

For more information about the project or if you have questions, please go to crd.bc.ca/wastewater or email wastewater@crd.bc.ca.