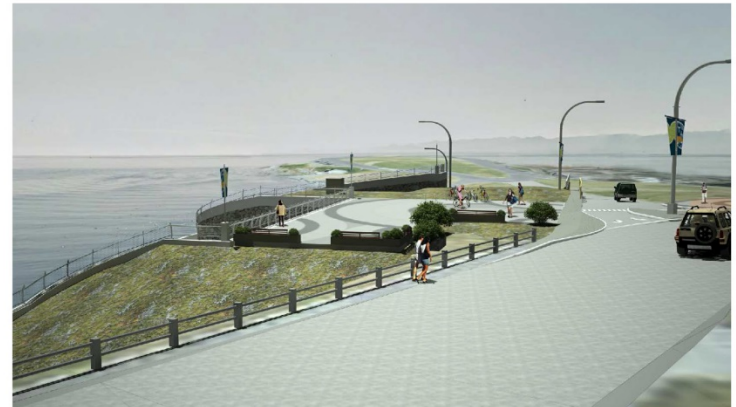


Welcome

The City of Victoria is continuing to process CRD's rezoning application to allow improvements to the Clover Point Pump Station as part of the Core Area Wastewater Treatment Project. Our team is here to provide you with information and respond to your questions.

We will continue to engage with residents after the rezoning process and into the construction phase to ensure that the community is fully informed about the project's progress.



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How We Got Here

In September 2016, the CRD approved the Core Area Wastewater Treatment Project Board's proposal for wastewater treatment in the Core Area which would comply with the law and preserve senior government funding for sewage treatment.

The Core Area Wastewater Treatment Project consists of three main elements:

WASTEWATER TREATMENT PLANT

Located at McLoughlin Point, the treatment plant will provide tertiary treatment to the core area's wastewater.

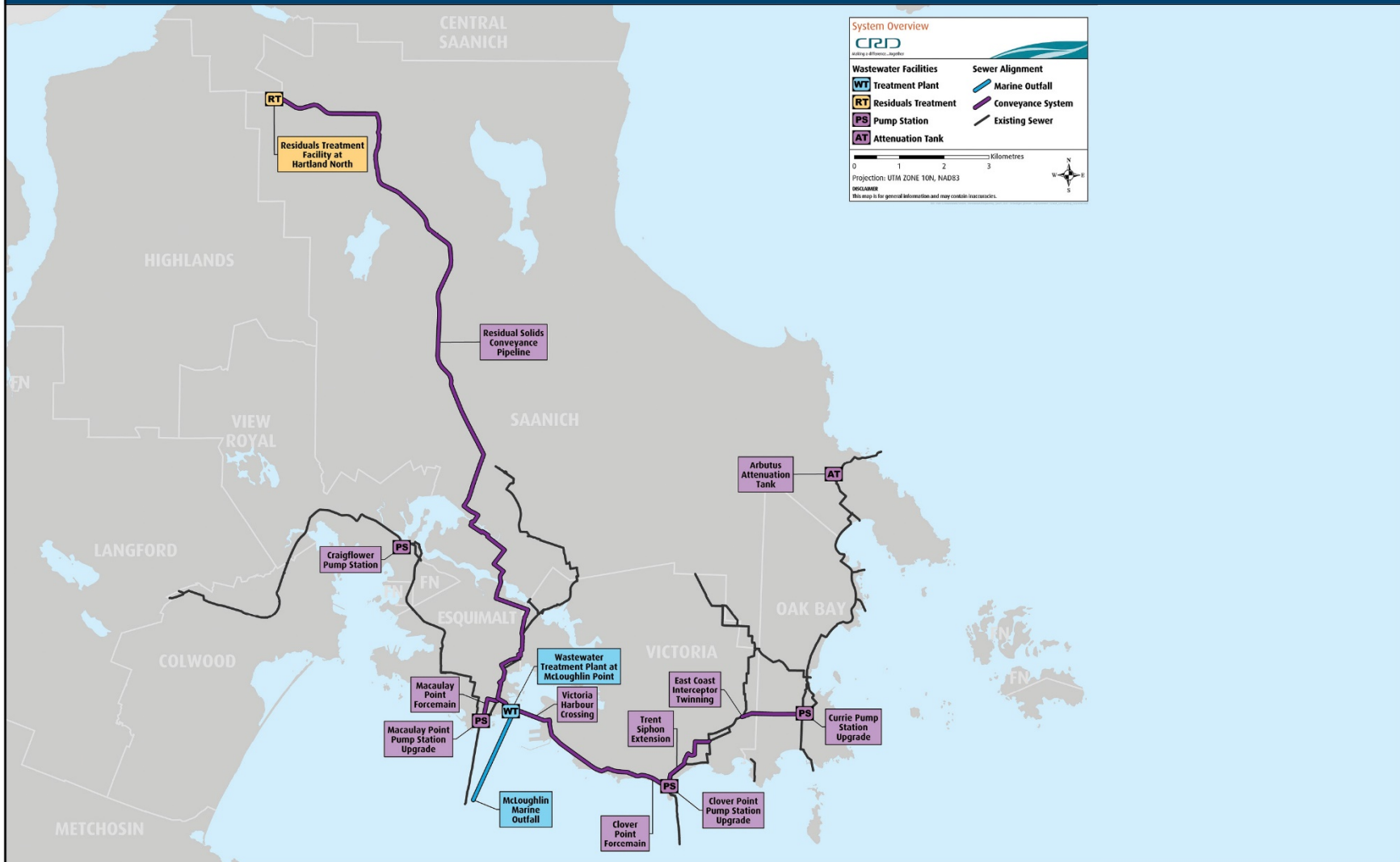
RESIDUALS TREATMENT FACILITY

Residual solids from the wastewater treatment plant will be piped to Hartland landfill, where they will be turned into what are known as "Class A" biosolids. These biosolids are a high quality by-product treated such that it is safe for further use.

CONVEYANCE SYSTEM

The conveyance system refers to the 'pumps and pipes' of the Core Area Wastewater Treatment Project. This system will carry wastewater from across the core area to the treatment plant. It will also send residual solids from the wastewater treatment plant to the residuals treatment facility.

Overview Map



Project Goals



The approved Core Area Wastewater Treatment Project met all the goals set out by the CRD.

Goal

Measurement

MEET FEDERAL REQUIREMENTS FOR SECONDARY TREATMENT BY 2020

Exceeded – wastewater will have tertiary treatment

MINIMIZE COSTS TO RESIDENTS

The capital cost of the proposal is approximately \$765 million; it is less expensive than previous plans and less expensive than the other short listed options (\$920 million for Rock Bay and \$1,010 million for a two plant solution at Rock Bay and McLoughlin Point); the proposal meets the deadline for federal funding, minimizing the risk of losing senior government funding

OPTIMIZE OPPORTUNITIES FOR RESOURCE RECOVERY

The plan includes a smaller investment than prior plans in the treatment of residual solids. As part of the plan there is a proposal for the CRD to engage in a separate comprehensive planning and consultation process to develop a waste management policy, including management of its solid and biosolid waste streams as part of an integrated resource management plan.

REDUCE GREENHOUSE GAS EMISSIONS

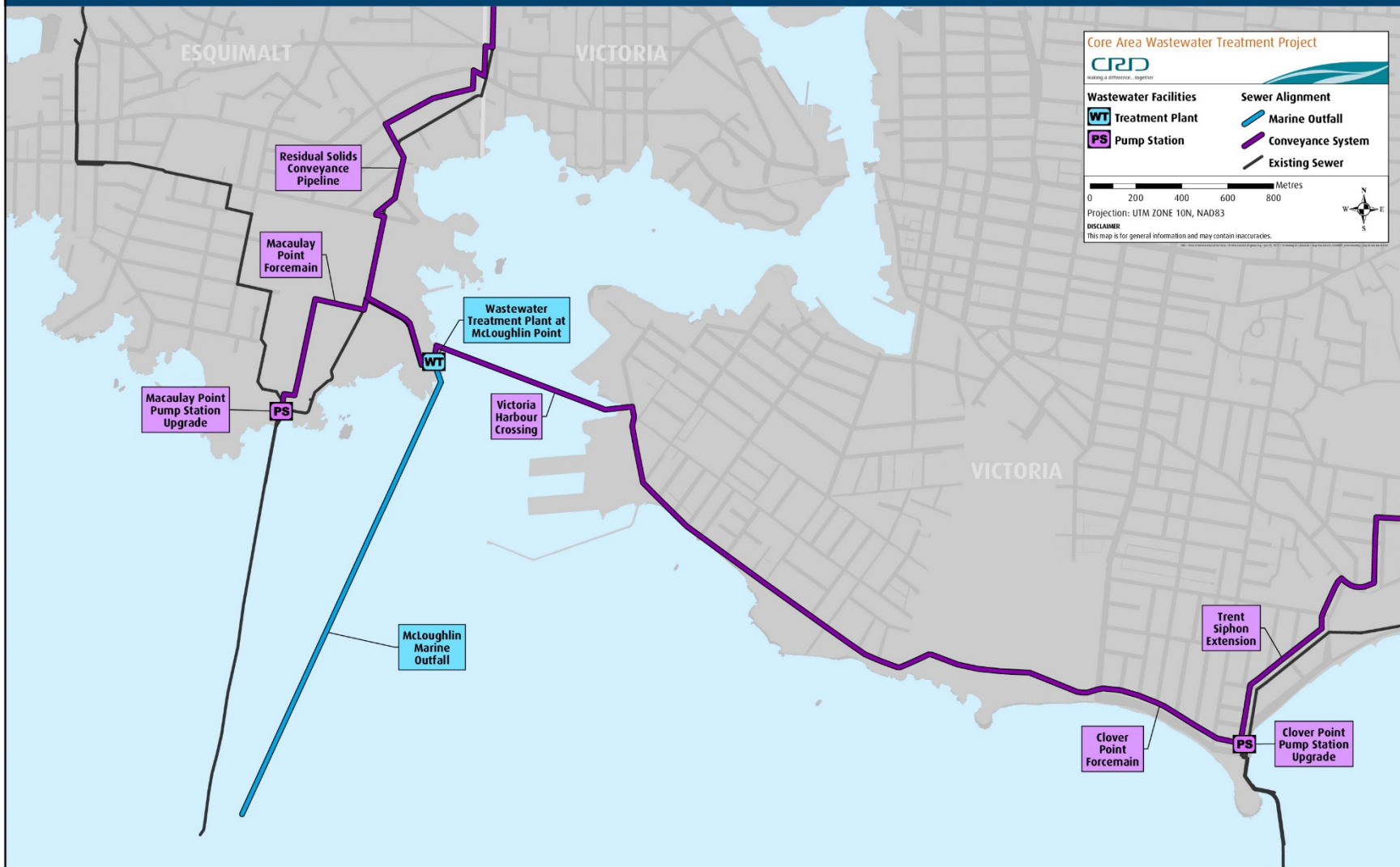
The plan reduces greenhouse gas emissions by 5-10 per cent, when compared with previous plans which included driers, pelletizing of biosolids, and hauling pellets to cement plants and other end users, who would be paid to take the product

ADD VALUE TO THE SURROUNDING COMMUNITY AND ENHANCE LIVABILITY OF NEIGHBOURHOODS

The plan recognizes that the wastewater and biosolids treatment facilities have external impacts:

- rather than co-locating the facilities, they are separated: one in Esquimalt; one in the existing Hartland landfill in Saanich, and the impacts of conveyancing are shared
- the impact of construction is distributed with a laydown area located in Rock Bay, Victoria
- the plan includes significant revisions to the wastewater plant design in response to public commentary and includes an allowance for further design revisions
- the plan recommends a program to improve the appearance of CRD sewage collection and treatment facilities, mitigating their impact on the host communities

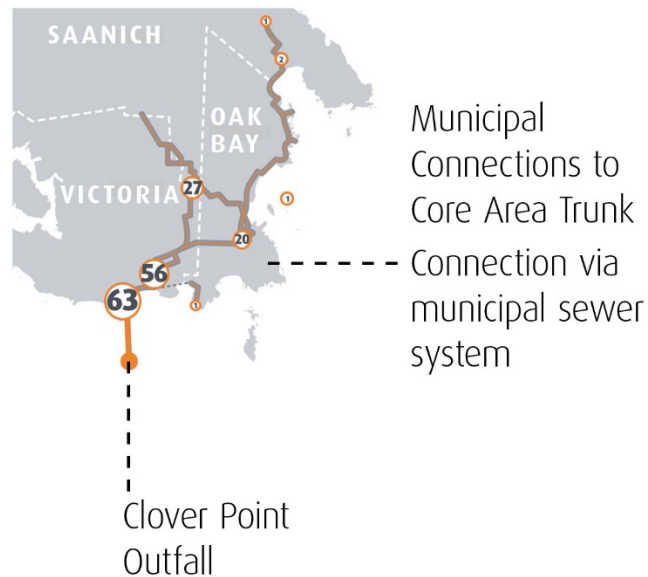
Core Area Wastewater Treatment Project



Core Area Wastewater Treatment Project

Source of flows from Greater Victoria to the Clover Point outfall

NORTHEAST TRUNKS & EAST COAST INTERCEPTOR (63 CONNECTIONS – 17,399,328 M³ ANNUAL FLOW)



64.4% Victoria

11,202,459m³ (total annual flow of 13,455,282m³)

19.4% Saanich

3,372,847m³ (total annual flow of 10,439,905m³)

16.2% Oak Bay

2,824,022m³

History of Clover Point Pump Station

ORIGINALLY CONSTRUCTED IN 1975

- Completely underground
- Included the seawalk
- Served about 140,000 people
- Discharged sewage out short outfall



Clover Point Pump Station – Inside

NOW IN 2017

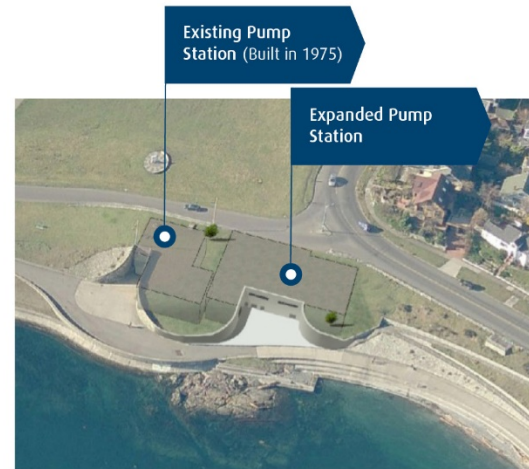
- Serves over 200,000 people
- Has reached its design capacity during storms resulting in overflows
- Equipment is old, outdated and building does not meet current codes
- Proposed upgrade will increase capacity and direct wastewater to McLoughlin Point
- Expansion requires rezoning

Clover Point Pump Station Design Principles

PUMP STATION DESIGN PRINCIPLES

- Meet current codes and standards
- Robust, long design life (min. 50 years)
- Blend in with surrounding area
- Noise and odour control
- Secure and good operational access
- Energy efficient, latest technology, improved redundancy
- Restore surface to as good or better
- Provide best value

PUMP STATION LOCATION



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Clover Point Pump Station

EAST LOOKING PERSPECTIVE



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VIEW FROM DALLAS ROAD



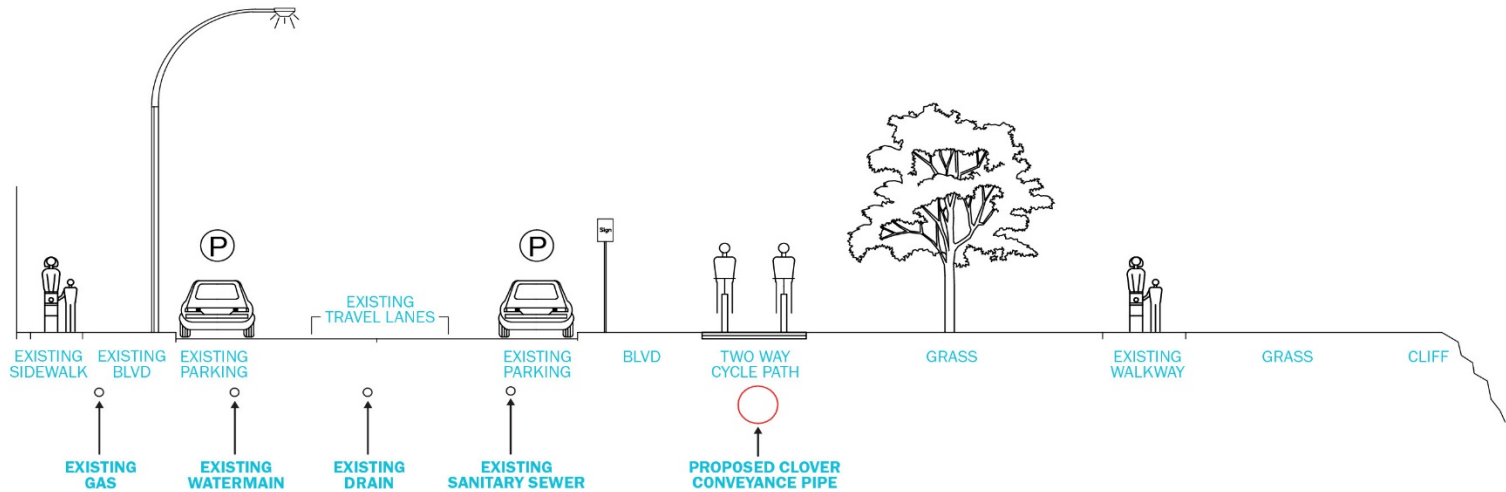
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Clover Point Pump Station

CROSS SECTION OF THE CONVEYANCE PIPE AND BIKE PATH ALONG DALLAS ROAD



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Public Realm Improvements

The Core Area Wastewater Treatment Project could include the following public realm improvements:



New cyclist and pedestrian viewing plaza on top of the expanded facility.

Sewage connections and funding for a future public washroom facility.



New pedestrian path along the north edge of the zoned area, continuing off-site to the west.

Pedestrian path and a separated bike path beginning from the north edge of the zoned area, which continues north to connect to Dallas Road.



Two replanted grassed open spaces to the west and east of the plaza.

New street furniture, "bike kitchen" (facilities for bicycle maintenance and repair and a water fountain) and wheelchair access to the pedestrian paths.

Clover Point Rezoning Timeline

CLOVER POINT REZONING TIMELINE

JAN 11, 2017

Fairfield-Gonzales Community Association Land Use Committee community meeting

JAN 26, 2017

City of Victoria Committee of the Whole

JAN 26, 2017 / FEB 9, 2017

First and second reading of the bylaw

FEB 23, 2017

Public Hearing (if approved) and Council decision



Construction Impact Mitigation Measures

A key consideration during the construction will be potential impacts on the surrounding community



All construction activity will comply with bylaws regarding hours of work and noise levels, and regular communications from the project team will ensure residents receive advance notification of work activities in the community.

More information on the project and further details regarding construction and impact mitigation measures will be shared with the public in the future.

