

Welcome!

Thank you for coming to learn more about Colwood's opportunity for resource recovery through sewage treatment.

The purpose of this open house is to:

- ▶ Inform you about Colwood's proposal for a small scale sewage treatment & resource recovery facility on City-owned land at the Juan de Fuca Park & Ride.
- ▶ Give you the opportunity to provide input into decisions about sewage treatment & resource recovery in Colwood.



Format for the open house:

- ▶ Please review the discussion boards.
- ▶ Feel free to ask City staff any questions you have.



When you see this icon, please answer the question in your questionnaire.

Introduction - Treating waste responsibly in the Region

- ▶ The Federal Government has mandated that our region must treat sewage to an acceptable level by 2020.
- ▶ The regional plan calls for a single treatment facility at McLoughlin Point in Esquimalt by 2018, followed by a Westshore Plant to be built in about 2030.
- ▶ With only 25% of Colwood residents connected to sewers, the size and cost of the regional plant does not make sense for our community.
- ▶ Colwood proposes a facility that could start small to meet the needs of our community now, with additional modules added as our community grows.
- ▶ The facility would provide a higher level of sewage treatment (tertiary) and would generate affordable energy and reclaimed water for connected buildings in the heart of Colwood. Over time these benefits would extend to other areas as well.



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Before coming here today, did you support Colwood's proposal for local sewage treatment & resource recovery?

Why a Resource Recovery Centre makes sense for Colwood

1. Environmental Excellence

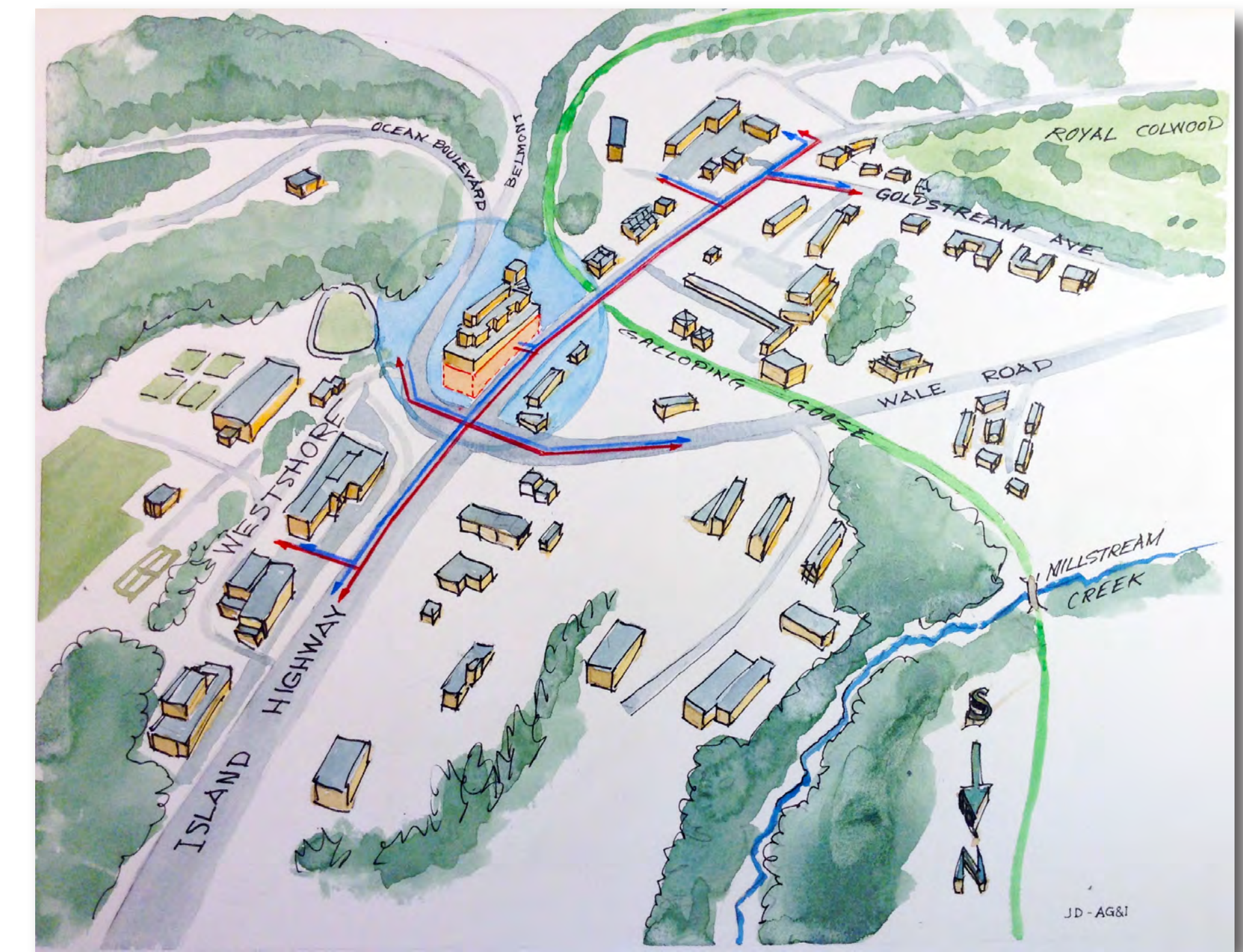
A Colwood sewage treatment facility would provide a higher level of sewage treatment. It will also generate energy that can be distributed to businesses in the heart of Colwood and reclaimed water for toilet flushing and irrigation. These will reduce our impact on the environment.

2. Financial Responsibility

A small system that is sized to meet our community's current needs and can be easily expanded as our community grows makes economic sense. Offering affordable energy and water would attract investment, reducing our tax burden.

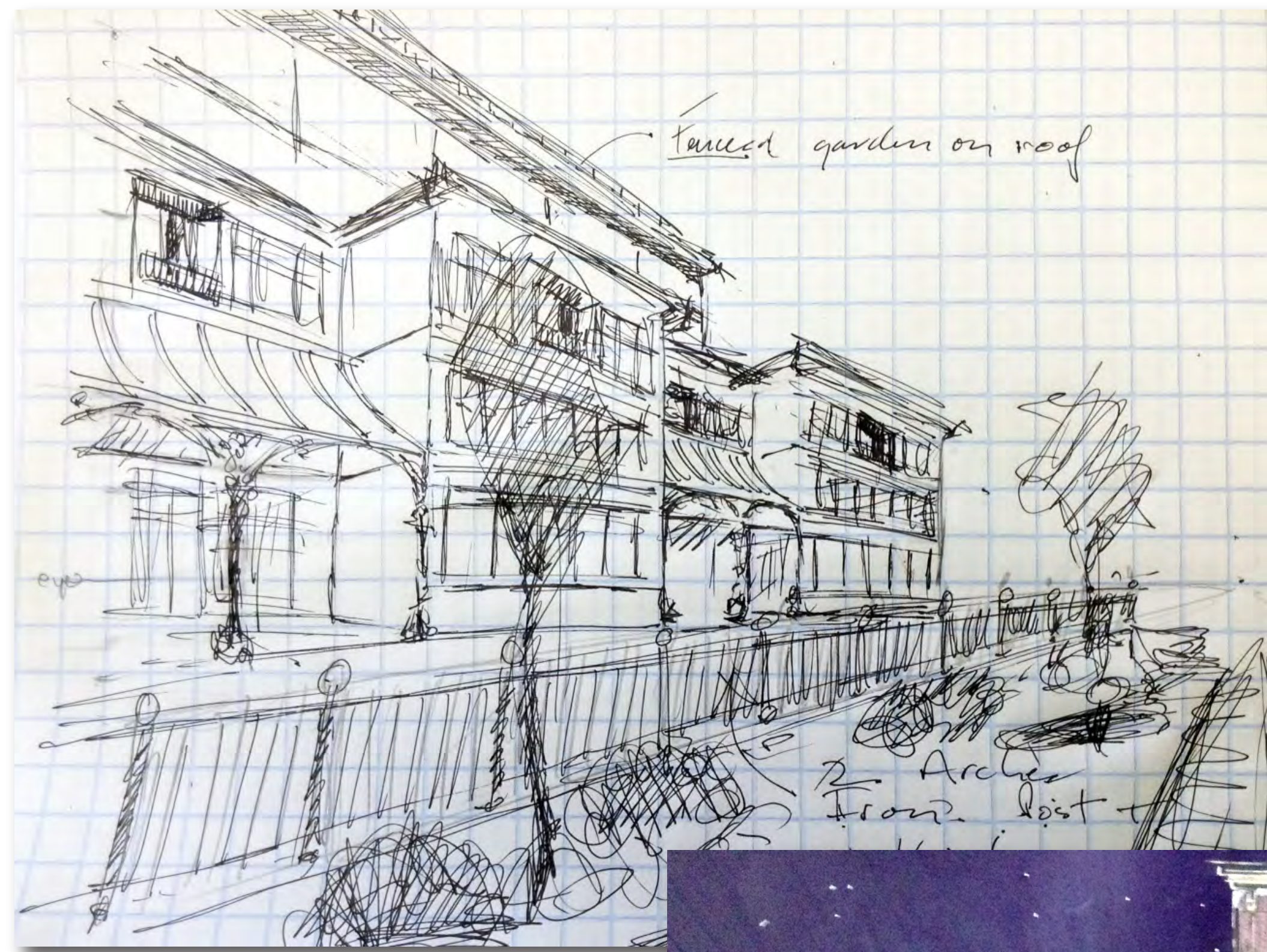
3. Community Minded

Colwood would have greater control over costs and residents would have greater input into creating a system that fits our community and benefits our environment.



**Do you agree that a Colwood sewage treatment & resource recovery facility would:
result in lower taxes | attract business and investment | reduce environmental impact?**

Envisioning a sewage treatment & resource recovery facility



Incorporating commercial and residential space to expand our tax base and encourage development in the heart of Colwood.

The facility itself would be mostly underground.

The Park & Ride will be maintained with the added benefit of some covered parking.

Upper floors could include commercial space as well as residential units.

In addition to environmental benefits and provision of energy and reclaimed water, Colwood would expand its tax base with additional housing, businesses and amenities in the heart of the City.

Located in the heart of Colwood



This map shows the proposed location for the Colwood Sewage Treatment & Resource Recovery Centre at the Park & Ride near Juan de Fuca Recreation Centre.

Funding an investment in the future

The project will not go ahead unless the majority of citizens agree with the taxes and fees required to undertake it.

Improving your tax outlook

By 2018 residents will see a tax savings compared to the increase that would have been created when the Westshore plant described in the regional plans would be built in 2030.

Grants

While the project is not dependant upon grants, the City is preparing grant proposals and will actively pursue every opportunity to access granting opportunities.

Financing

The City of Colwood has multiple opportunities for funding this project which all have benefits and implications. Any financing option will be reviewed with public input as part of the consultation process.

Working with partners

Companies that specialize in resource recovery have expressed interest in partnering on this innovative project. Partnerships with educational and research institutions would promote a green technology industry in Colwood, bring high paying jobs into the community and build upon Colwood's reputation.



What funding methods would you support for the construction of a Colwood sewage treatment & resource recovery facility?



Long term tax outlook: comparing Colwood and Regional



Getting the most for our money

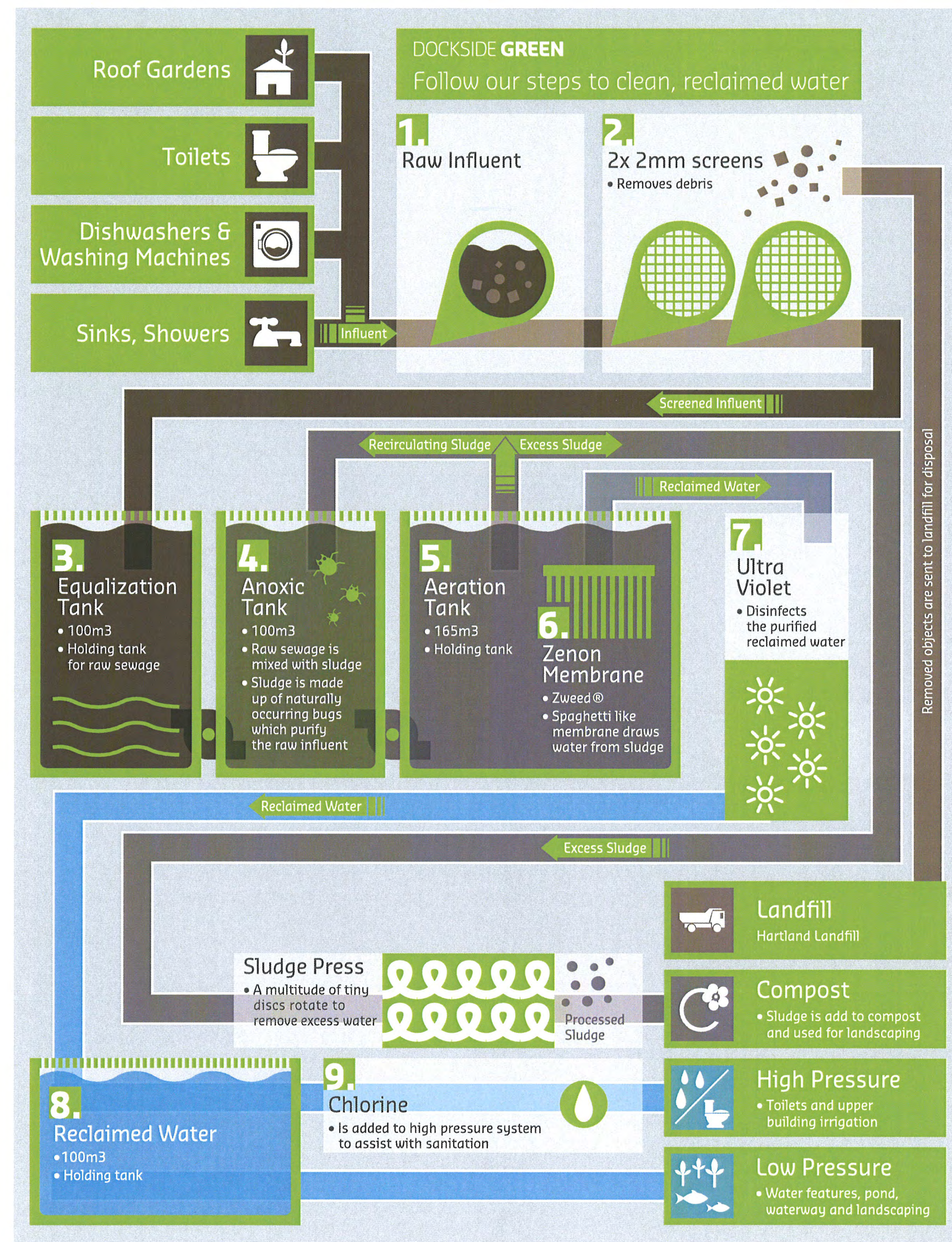
Colwood Proposal

Regional Proposal

Sewer taxes level out over time	Tax Rates	Increase in sewer taxes over time
Over 100 person years	Colwood Construction Jobs	None
Est. over 50	Colwood Ongoing Jobs	None
24,000 sq ft.	Added Colwood Commercial Space	None
48,000 sq ft.	Added Colwood Office Space	None
42 units	Added Colwood Housing Units	None
Est. over \$200,000	Tax Revenue from New Buildings	None
Reduce costs at large facilities like Juan de Fuca, keep business costs lower and stable, reduce costs of City irrigation, extend benefits to homeowners over time	Provide affordable energy and water	None
Research space will attract both business and university researchers and provide the industry support they need	Boost green technology industry, research and education	None



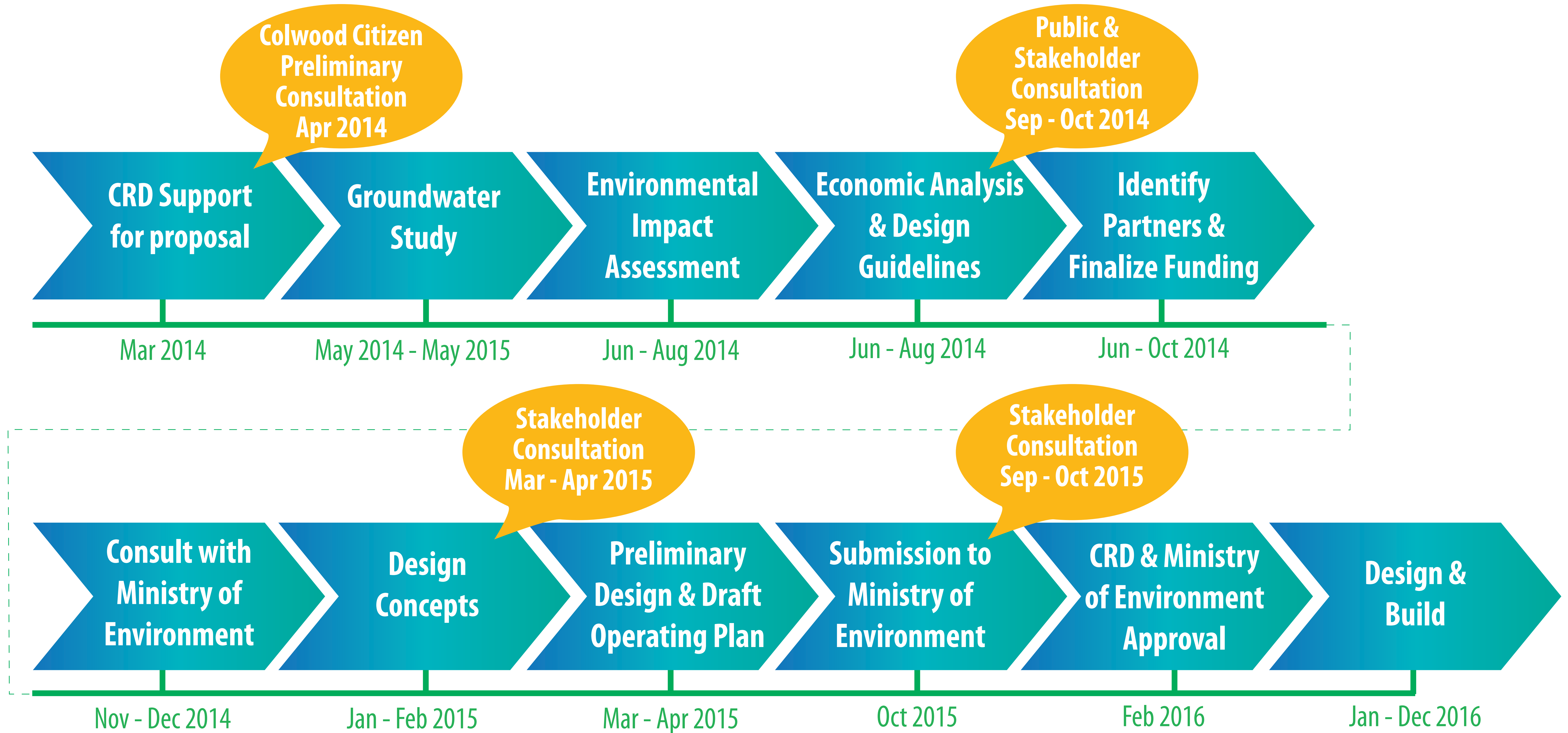
Tertiary treatment in a nutshell



Process flow chart provide by Dockside Green in Victoria.

- ▶ Wastewater flows in from the sewer system.
- ▶ Inorganic debris is screened and taken to landfill.
- ▶ Heat is extracted and distributed to connected buildings.
- ▶ Sludge is separated out, pressed, dried and sold as fuel.
- ▶ Liquids are cleaned through anoxic and aeration processes, filtered through a Zenon membrane, then disinfected with UV and chlorination.
- ▶ Reclaimed water can be used for toilet flushing and irrigation.

Project Plan Overview



Effective sewage treatment on sewers or septic

If you are on septic...

When properly maintained, septic systems are an environmentally friendly and economical option.

- ▶ **A local sewage treatment facility does not mean all septic users would be connected to sewers.**

If you are connected to sewers...

Property owners connected to sewers would reduce their impact on the environment with tertiary treatment and would contribute to the generation of energy and reclaimed water for buildings in the heart of Colwood. Over time these benefits will expand to other areas.

Colwood's Sewer Master Plan shows how sewers could be built throughout Colwood at a cost of \$50m.

- ▶ **Revenue from the District Energy System would give Colwood the opportunity to expand the sewer system at a reduced cost.**



Is your residence on septic or sewers?

What service would you prefer for your residence, septic or sewers?

Thank you!

We appreciate you taking the time to learn more and offer your input.

Don't hesitate to get in touch if you have additional comments, questions and ideas.

- ▶ Email info@colwood.ca
- ▶ Use our feedback form at colwood.ca
- ▶ Call 250-478-5999
- ▶ Drop by City Hall at 3300 Wishart Road

We want you to connect with us!

- ▶ Sign up to receive email updates about Colwood News and Events at www.colwood.ca/subscribe.
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