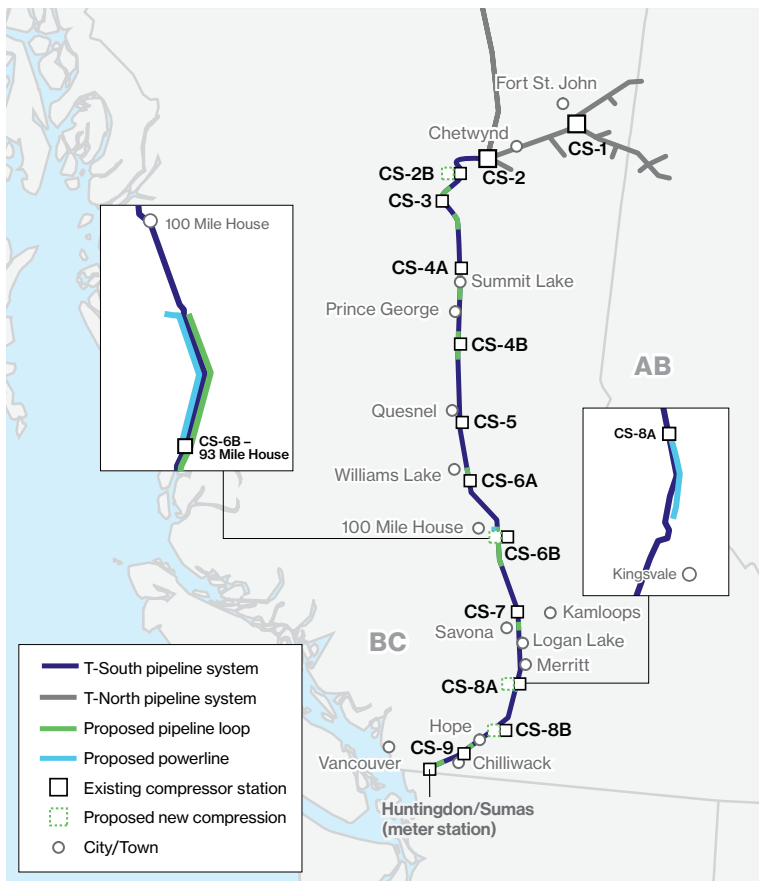




> Image above: existing compressor station 5 – “Australian” – near Quesnel, BC

Westcoast Energy Limited Partnership (Westcoast), an Enbridge affiliate, owns and operates a natural gas transmission system in British Columbia (BC) that transports processed natural gas for markets throughout BC, Alberta and the Pacific Northwest. This gas is ultimately used to heat homes, businesses, hospitals and schools. It is also used as a fuel for electric power generation and is a staple in a number of industrial and manufacturing processes that produce hundreds of products that improve our lives.



Map is for illustrative purposes only and not to scale. Project design is under development and configuration of pipeline loops, compressor units, additional compressor station modifications, and powerlines are subject to change.

Project overview

Westcoast is proposing the Sunrise Expansion Program (Project), an expansion of the southern portion of its Westcoast or BC Pipeline system known as T-South. The Project is being proposed based on demand for additional natural gas transportation capacity. It will provide up to 300 million cubic feet per day (MMcf/d) of natural gas on the T-South system. The targeted in-service date is late 2028.

The proposed Project currently includes the installation of pipeline loops and additional compression at select existing compressor station sites. Westcoast is planning to use electric-driven compressor units, which would require new powerline infrastructure.

Pipeline loops

In order to increase transportation capacity, pipeline loops will be added along Westcoast's existing right-of-way (ROW). The additional loop segments will run parallel and connect to the existing pipeline system.

A total of approximately 139 km of 42-inch pipeline looping in various segments along the system is currently anticipated.

Preliminary Project timelines

- Environmental studies began: Q2 2023
- Geotechnical studies began: Q4 2023
- Regulatory application submission (CER): Q2 2024
- Construction: Q2 2026 – Q4 2028
- In-service: Q4 2028

Project timelines are subject to change.

Compressors and infrastructure upgrades

In addition to pipeline looping, additional compression and upgrades will be required. Over extended distances, friction and elevation differences reduce the pressure within the pipelines and slow the flow of gas – compressor stations give the gas a needed “boost,” helping it get from one point to the next.

Westcoast plans to install new compressors at existing compressor stations located at Azouzetta Lake (CS-2B), 93 Mile (CS-6B), Kingsvale (CS-8A), and Othello (CS-8B).

To reduce environmental impacts, Westcoast is proposing the use of electric-driven compressor units for some of the compression required for the Project. The electric-driven compressor unit would substantially cut greenhouse gas (GHG) emissions that would be produced with a natural gas drive. Electric drives are also known for their quieter operation compared to natural gas drives.

To power the new electric-driven compressor units and ensure reliable operations, up to approximately 10 km of new electric transmission powerlines may be required. These overhead powerlines will largely follow existing linear infrastructure such as roads or ROWs to minimize environmental and local community impacts.

Regulatory

Westcoast filed an application for the Project with the Canada Energy Regulator in Q2 2024. Environmental, geotechnical and socio-economic studies were conducted to support the application. We are engaging with Indigenous groups, landowners, and other stakeholders to ensure they are updated with the regulatory processes.

Indigenous and community engagement

Since 2023, Westcoast has been engaging with potentially affected Indigenous groups, landowners, and other stakeholders. By gaining a deep understanding of their interests and how they may be affected by the Project at an early stage, we are able to incorporate that knowledge and feedback into the Project planning.

Westcoast is dedicated to creating economic opportunities for Indigenous groups and local communities. This ranges from training and employment opportunities to procuring goods and services from Indigenous businesses through a proactive supply chain process. These opportunities are provided from the early investigative studies through construction and into long-term operations.



Investigative field studies

To support Project routing and design, Westcoast is conducting investigative geotechnical and environmental studies. Since 2023, we have spent more than 150,000 hours performing environmental and cultural surveys, with approximately 60% of the fieldwork hours completed by Indigenous vendors. These studies will help identify any environmental or geotechnical factors that should be considered in designing the Project.

Environmental studies include surveys of fish and fish habitats, wildlife, vegetation, soil, watercourses, wetlands, air quality and archaeology assessments. Geotechnical studies aim to understand geological conditions beneath the surface for optimal pipeline routing design.

Climate change and the energy evolution

Addressing climate change is one of the most pressing challenges faced by society. The complexity of this challenge requires multifaceted solutions that balance the need to reduce greenhouse gas (GHG) emissions while at the same time meeting the increasing demand for energy. Enbridge is committed to meeting this challenge by providing people with the energy they need while simultaneously reducing our emissions and achieving our goal of net zero GHG emissions from our operations by 2050. So far, we've made good progress – reducing absolute emissions from our operations by 22%, compared to our 2018 baseline.

Net-zero
emissions from
our operations
by 2050^{1,2}



Contact us

Virtual Open House
sunrise-program.com



Email
BCprojects@enbridge.com

Phone
1-833-267-2220 (toll-free)

Mail
Enbridge Inc.
3985 22 Ave
Prince George, BC V2N 1B7

¹ GHG emissions are from assets over which we have operational control (Scope 1 and Scope 2 emissions). Projected reductions of GHG emissions intensity and absolute emissions is relative to the 2018 baseline year.

² Absolute emissions.