

Enbridge regional update 2023

Cariboo Regional District

February 2, 2023

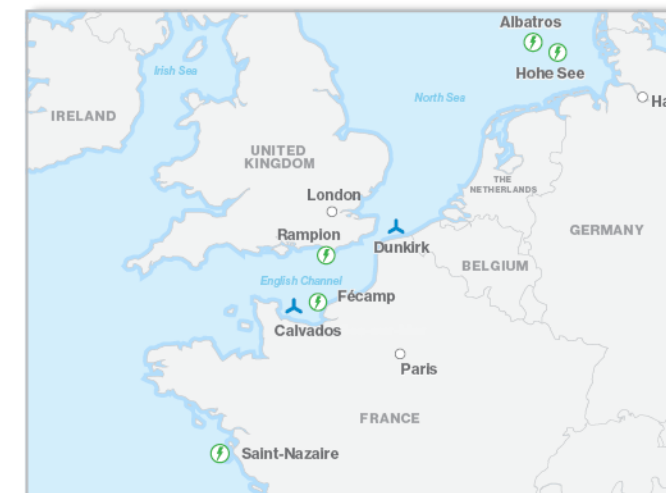
Land acknowledgement


















Enbridge acknowledges the local Indigenous lands where we live and work including Treaty, traditional territory, unceded, ceded and Métis lands and that our assets span Turtle Island.

The big picture: Connecting supply with demand

Enbridge is a global energy infrastructure leader. Our diversified assets are balanced between natural gas and oil, connecting key supply basins and demand markets across North America.



- | | |
|---|---|
|  Liquids Pipeline |  LNG Facility |
|  Natural Gas Transmission Pipeline |  Crude export facility |
|  Natural Gas Gathering Pipeline |  Rail Terminal |
|  Natural Gas Liquids Pipeline |  Renewable Energy |
|  Transmission Line |  Gas Processing Plant |
|  Crude Storage or Terminal |  Gas Distribution Service Territory |
|  Gas Storage Facility |  Affiliated Gas Distribution Territory |
|  NGL Storage Facility | |

About us



Enbridge is North America’s leading energy infrastructure company



Natural Gas Pipelines

- 123,189* km/76,546* mi of pipe
- Moving 21 Bcf/day

20%

of the natural gas
consumed in the U.S.



Renewable Power

- 45+ renewable power facilities
- 2,175 MW generating capacity

967,000

homes powered
our assets



Natural Gas Utilities

- 3.9 million retail customers
- Serving 670+ communities

75%

by of Ontario residents’
delivered energy needs



Liquids Pipelines

- ~28,661 km/17,809 mi of pipe
- Moving 3 million barrels/day

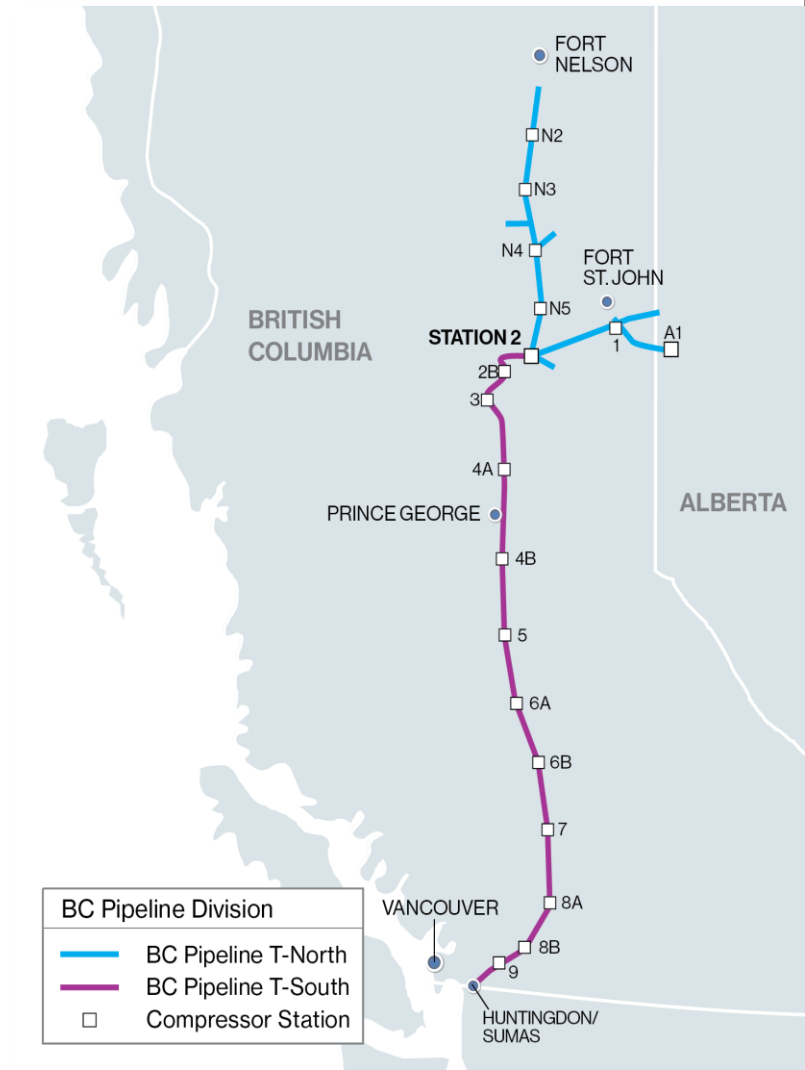
30%

of crude oil produced
America in North

* Includes DCP Midstream assets

The BC Pipeline system

- Enbridge owns and operates the major natural gas transmission system in BC, referred to as the BC Pipeline system, which transports natural gas throughout the province, Alberta and the Pacific Northwest of the United States
- Stretching from Fort Nelson, and from Gordondale near the BC-Alberta border, south to the Canada-United States border at Huntingdon/Sumas, this gas is used to heat homes, businesses, hospitals and schools
- It is also used 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

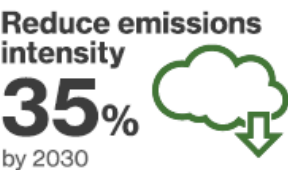


Enbridge's sustainability goals

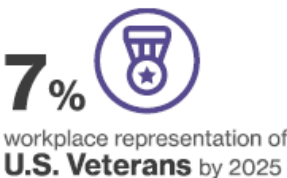


Enbridge's commitment to strong Environment, Social and Governance (ESG) practices and performance has long been core to how we do business. Our new ESG commitments reinforce our priorities in the areas of greenhouse gas (GHG) emissions, diversity and inclusion and safety

Environment



Social



Governance



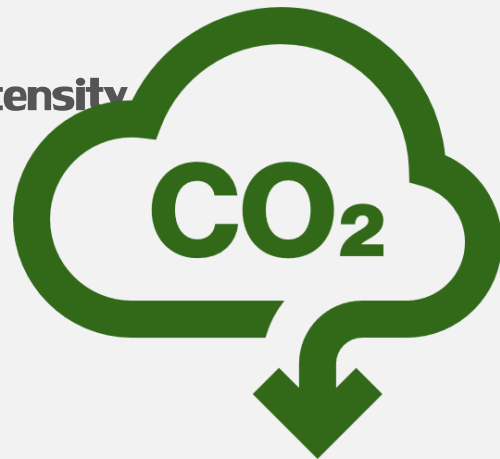
Our emissions goals



Reduce emissions intensity

35%

by 2030



Net
zero
emissions
by 2050



Minimizing our impact on the environment is core to our strategy

Renewable energy

- Enbridge operates several renewable energy projects
- Enbridge is now a large wind and solar power producer in Canada, with assets in the US and investments in several major European offshore wind projects
- Since our initial investment in a wind farm in 2002, we've committed more than C\$8 billion in capital to renewable energy currently in operation or under construction
- Recently announced the arrival of the company's first commercial-scale offshore wind project in France. The Saint-Nazaire Offshore Wind Farm can generate electricity to power an equivalent of about 400,000 homes



Operations and integrity



• Eyes in the sky

We regularly survey all 27,500 km of our pipeline rights-of-way, including the 2,953 km of our BC Pipeline natural gas transmission system. We also use satellite imagery to help identify, monitor and address any instances of incremental slope movement.

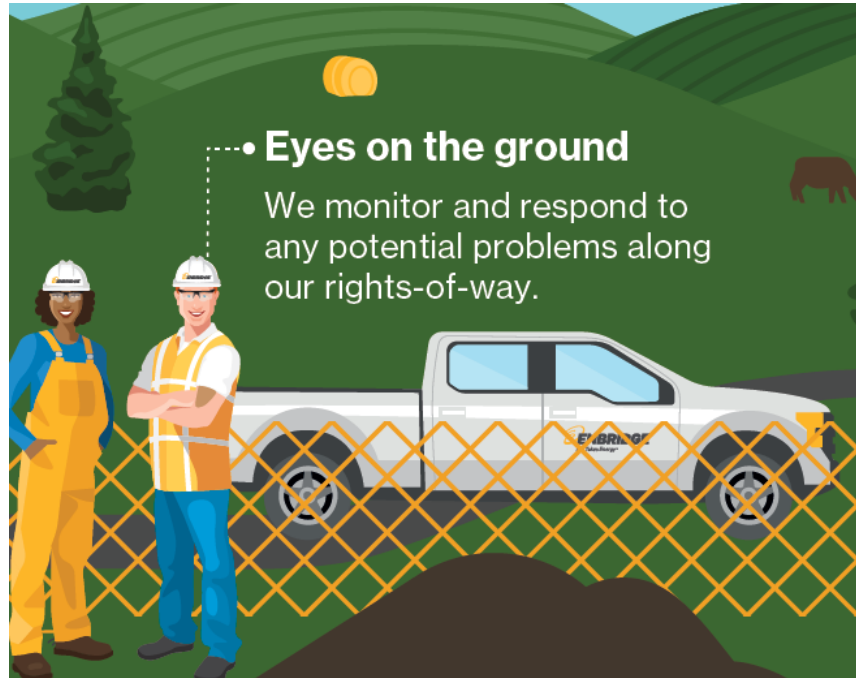


Prevention practices

- Aerial patrols
- Public awareness programs and emergency preparedness
- Community engagement

• Eyes on the ground

We monitor and respond to any potential problems along our rights-of-way.



• Talking to our neighbours

We regularly communicate with neighbours and customers about how to stay safe around our pipelines and facilities.



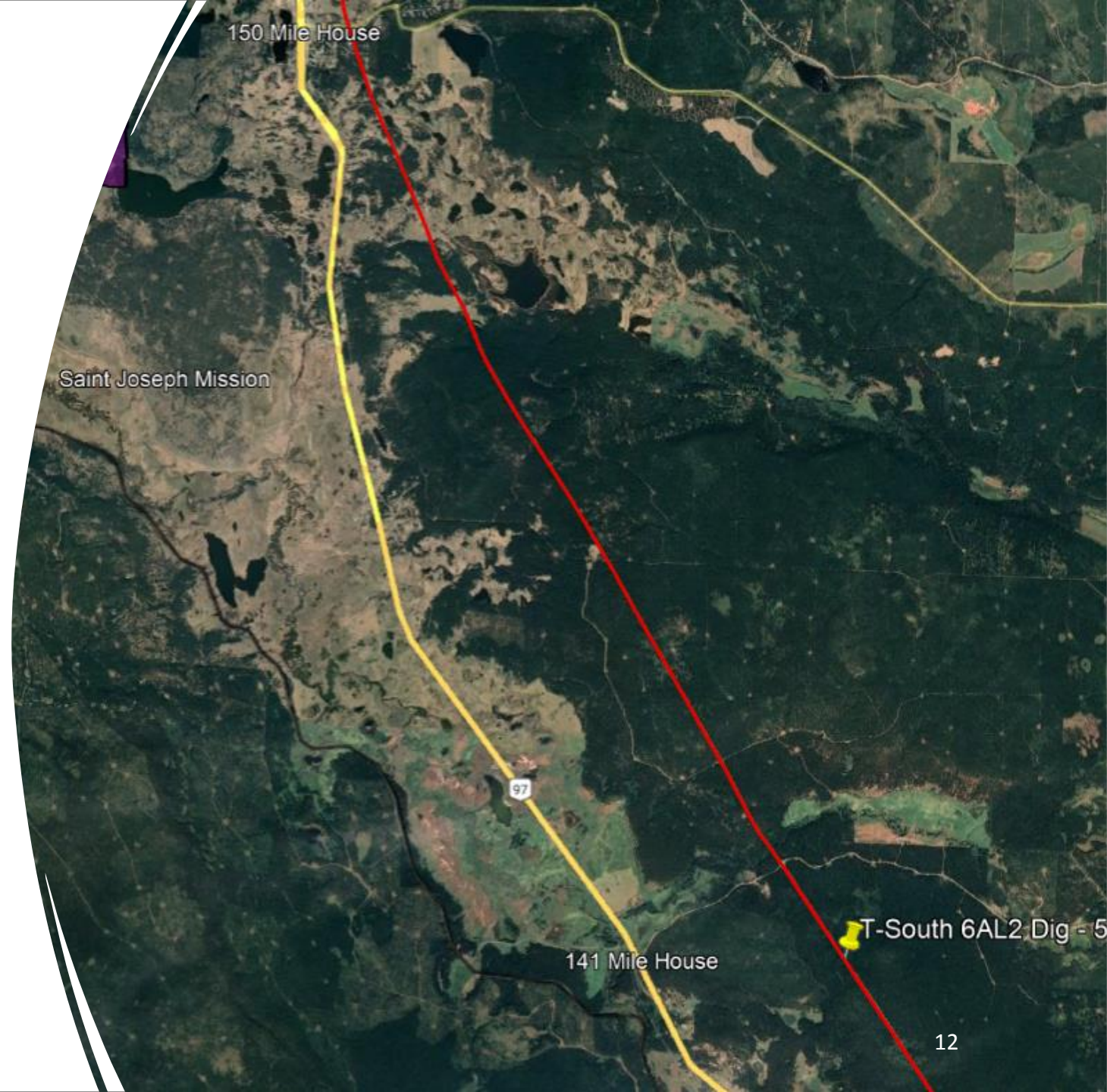
Integrity program: internal inspections

- During pipeline inspections, high-resolution inline inspection tools are used to inspect the BC Pipeline system to monitor the interior and exterior of our pipes
- When data from these inspections indicate a change, or detect an anomaly that requires a closer look, we undertake a maintenance dig to physically examine the integrity of the pipe segment and determine if a repair or other action is needed



Integrity Dig Program 2023

- An integrity dig requiring excavation and repair near 141 Mile House is planned for April 2023
- Work will occur within the existing right-of-way and no new-cut impacts or temporary workspace requirements are anticipated



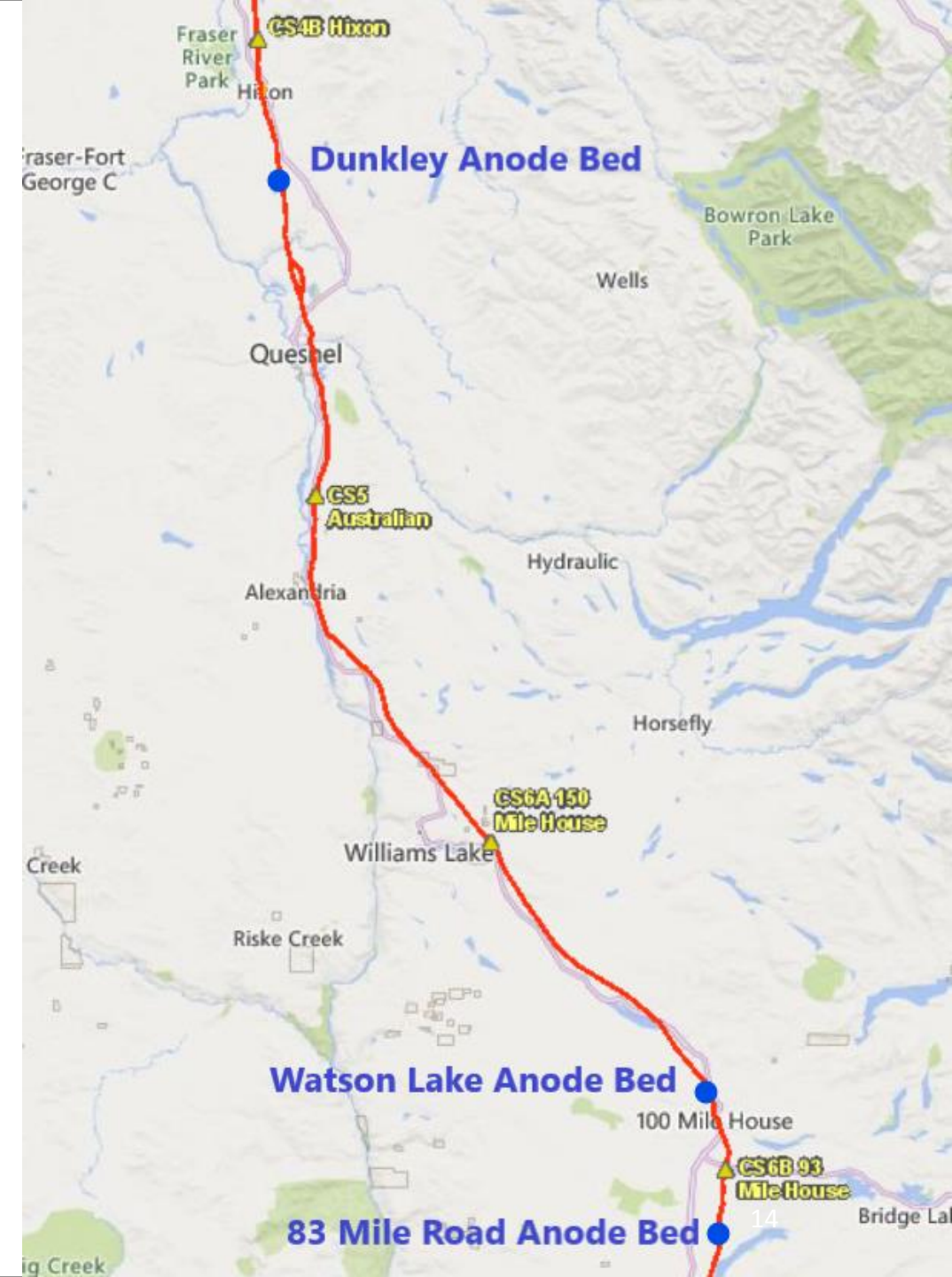
Cathodic Protection Program

- Enbridge plans to install new cathodic protection systems at strategic points along the Westcoast pipeline system to enhance its resistance to corrosion
- This technique controls the corrosion of the metal surface by making the pipeline the cathode of an electrochemical cell
- Anode Beds are a vital part of the cathodic protection system as the anode is the part of the electrochemical cell system that receives oxidation
- As a result, the anodes corrode over time while protecting the integrity of the pipelines
- There are several anode bed locations throughout the BC Pipeline system with more proposed to be added



Cathodic Protection Program 2023

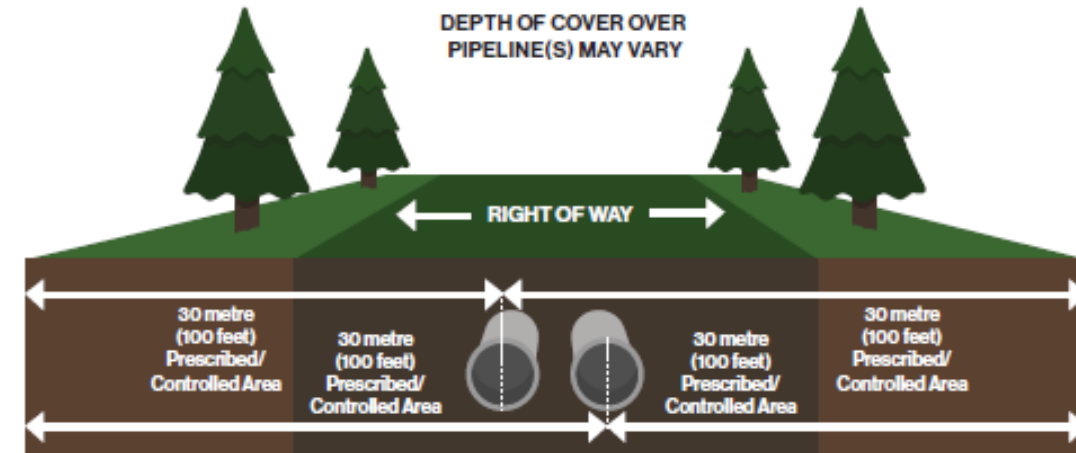
- Three Proposed Anode Bed replacement locations are proposed within the Cariboo Regional District:
 - Dunkley
 - Approximately 30km north of Quesnel
 - Watson Lake
 - Approximately 9km north of 100 Mile House
 - 83 Mile Road
 - Approximately 25km south of 100 Mile House



Public Safety & Public Awareness

Pipeline right-of-way

- The tract of land above a pipeline is known as a right-of-way (ROW)
 - Varying widths; may contain more than one pipeline
 - Approximate location of pipelines can be identified by above-ground pipeline markers
 - No distinct look to the ROW; can be a clearing in the forest, cultivated land, a river crossing, or urban areas
- The prescribed area
 - A 30-meter area, measured perpendicularly on each side from the centerline of the pipe(s)
 - Ground disturbance activities within the Prescribed Area require a locate request to BC One Call
 - Some activities along the Prescribed Area require written permission from Enbridge



Pipeline right-of-way

- Sight

- Dead or dying vegetation on or near a pipeline in a normally green area
- Water bubbling or blowing into the area in puddles, ponds, creeks, or rivers
- Dirt being blown or appearing to be thrown into the air
- Unexpected frost build-up on the ground
- Fire coming from the ground or appearing to burn on the ground

- Sound

- An unusual roaring, blowing, hissing, or loud whistling sound

- Smell

- Sweet gas has a slight petroleum or hydrocarbon smell
- Unlike the gas that is distributed in homes, the sweet gas in Enbridge's pipeline does not have an odourant added to enhance its smell
- You will not smell the common rotten egg odour associated with natural gas



If you suspect a leak



- Your personal safety is Enbridge's number 1 priority. If you suspect a gas leak, follow these steps
 - Leave the area immediately
 - If outdoors, leave the area immediately moving upwind or crosswind
 - Note that motor vehicles or other machinery can be a potential ignition source and should not be used
 - If indoors, immediately evacuate everyone in the residence or business
 - Once you have reached safety, call 911. Your cell phone can be an ignition source, so you must be a safe distance from the pipeline before using it
 - Contact Enbridge's emergency line at 1-800-663-9931
 - If it is safe to do so, warn others to stay away
 - If it is not safe to evacuate, shelter in place

Toll Free 24-hour Emergency Number: 1-800-663-9931

What not to do in an emergency situation



- Do not touch or go near the leaking gas, liquid, or vapor that may have come from the pipeline
- Do not try to shut the gas off
- Do not start your vehicle or any other piece of equipment that can act as a possible ignition source
- Do not light a match or smoke
- Avoid heat sources or making sparks that could ignite the leaking gas as you are leaving the area
- Do not turn on or off anything that may create a spark – including cell phones, telephones, light switches, vehicle alarms, vehicle keyless entry, & flashlights – until you are in

Toll Free 24-hour Emergency Number: 1-800-663-9931

Economic impact and corporate citizenship

Economic impacts to BC (2022)



- Cariboo Regional District
 - **\$12,144,321.27** paid to the Cariboo Regional District in the 2022 tax season
 - \$267,968.10 paid to City of Quesnel
 - \$5,280,436.61 paid to Rural Communities of Quesnel
 - \$6,850.98 paid to City of Williams Lake
 - \$6,231,290.46 paid to the Rural Communities of Williams Lake
 - \$632,775.12 paid to the District of 100 Mile house
- This revenue can be used for schools, infrastructure (roads and bridges), health and wellness, recreation, transportation and other services that help strengthen the fabric of the community

Enbridge is committed to supporting and strengthening the communities near our pipelines and facilities

Corporate citizenship and local investment



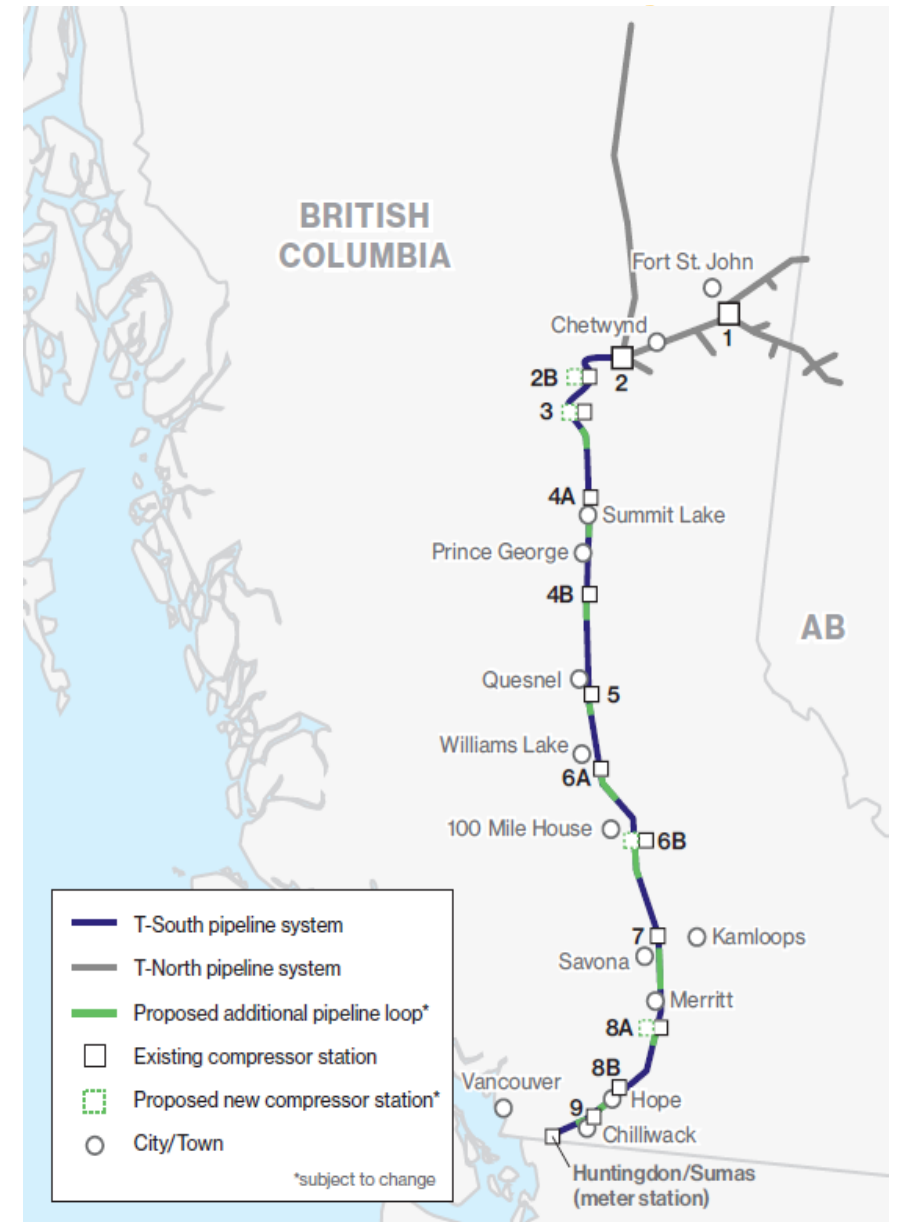
- In 2021, through our **Fueling Futures** program, Enbridge invested **\$503,000** in community-strengthening initiatives across British Columbia—and supported numerous not-for-profit agencies in the state—aligned to our three focus areas of health and safety, environment, and community
- In 2021, through our **Safe Community First Responder Program**, we donated nearly **\$1.6 million** to dozens of Canadian emergency responder organizations located near Enbridge's projects and operations; these donations are earmarked for safety equipment, professional training or safety education programming that keeps communities safe



BC Pipeline system projects 2023

Sunrise Expansion Program

- Following a successful open season in 2022 that resulted in requests for additional transportation capacity, Enbridge is proposing an expansion of the T-South portion of the BC Pipeline system. The targeted in-service date would be late 2028, if approved
- The proposed expansion, known as the Sunrise Expansion Program (Project) currently includes the addition of pipeline looping and additional compression along the T-South system
- The Project would provide approximately 300 million cubic feet per day (MMcf/d) of additional natural gas transportation service



Sunrise Expansion Program

- Enbridge is in the early project development and early engagement stages and studies will be required to support a S.183 regulatory application to the Canada Energy Regulator (CER) in mid-2024
- The upcoming studies will help determine the specific configuration, location, and timing of any new facilities, including compressor stations and pipeline loops
- Project planning, early engagement, feasibility studies, consultation with Indigenous groups, landowners and local communities will be undertaken to determine detailed design



Sunrise Expansion Program

- Enbridge plans to begin investigative environmental and geotechnical work on select pipeline corridors as seasonal conditions allow, beginning in 2023
- This work will determine any environmental or geotechnical considerations that may need to be factored into the scoping of the Project
- Field work will include studies of fish and fish habitats, early and late season vegetation surveys, soil, watercourses, wetlands and wildlife, as well as traditional land use studies and archaeological work



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Q&A
