

Natural Gas Pipeline Safety and Emergency Information

for excavators and contractors

Westcoast Energy Inc., an Enbridge company



The BC Pipeline system is a natural gas pipeline system in your area that is operated by Westcoast Energy Inc., a company owned by Enbridge Inc. (Enbridge). You have received this brochure because your company is located – or may operate – near an area where Enbridge pipelines and/or associated facilities exist. Please read and share the important safety information with anyone who conducts or makes decisions about ground disturbance activities like excavation, farming, tilling, plowing, construction, development, utility installation, oil and gas production, logging, railroad maintenance and anchoring or dredging operations.

Emergency number: 1-800-663-9931

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After reading this brochure, please scan the QR code with your smart device or visit enbridge.com/surveys to complete an online survey for a chance to win \$500.



About the BC Pipeline (Westcoast system)

Awareness today means safer tomorrows

Tomorrow is more than just the energy we transport. It's the energy we put in. It's the time we spend volunteering. It's our commitment to sustainability and the environment. It's the investments we make in our community to ensure the places we live and work are safe and vibrant. It's because we see the potential in people and care about the world around us. Tomorrow is on, and we're committed to making it better.



Please scan the QR code to learn more about **Tomorrow is on: Enbridge** and the energy transition.

Enbridge's BC Pipeline system

Enbridge's BC Pipeline system stretches from Fort Nelson in northeast B.C. and from Gordondale near the B.C./Alberta border, south to the Canada/U.S. border at Huntingdon/Sumas.

This system, which serves markets throughout B.C. and the Lower Mainland, the U.S. Pacific Northwest and beyond, transports approximately 55% of the gas produced in the province.

Our BC Pipeline system also supplies about 50% of natural gas demand in the U.S. states of Washington, Oregon and Idaho.

Know what's below



Risk: Failure to dig safely can endanger yourself, emergency responders and your community. Safe digging practices can save your life.

Enbridge maintains a Damage Prevention Program in accordance with federal regulations. The purpose of this program is to prevent damage to our pipeline facilities from excavation activities such as digging, trenching, blasting, boring, tunnelling, backfilling or other activities such as heavy equipment crossing, storage on the right-of-way (ROW), etc. The Damage Prevention Program also monitors the depth of cover over our pipelines and conducts regular patrols of our ROW to monitor for unauthorized activities. To learn more about our Damage Prevention Program, visit enbridge.com/damageprevention.

If you see someone digging or disturbing the soil and there are no flags or marks on the ground, please call Enbridge's 24-hour emergency number. When planning a digging project, one should not rely on word-of-mouth, maps, memory or pipeline markers.

Please make coworkers aware that they need to make a locate request by following the steps listed below.

One-Call requirements

1



At least two to three business days before your project—any time you are disturbing the soil (depending on provincial law)—visit clickbeforeyoudig.com or call your local One-Call centre.

3



The One-Call centre representative will provide this information to pipeline operators, such as Enbridge and other companies with buried utilities near the work site, saving you the time and trouble of contacting them individually.

2



When you call or click, you'll be connected to a representative, who will ask you to provide important details about your project, such as the type of work you'll be doing, where you'll be doing it and when your project is expected to begin.

4



Within a few days, professional locators will come to your location and mark underground utility lines—including pipelines (marked with yellow flags or paint)—so you can work around them, saving yourself from possible injury or property damage.

**Click
Before
You Dig**.com

Know what's below

Pipeline ROW and pipeline location

A pipeline follows a narrow, clear stretch of land, called a ROW, that allows our employees and contractors to access the pipeline for inspections, maintenance, testing and emergencies. The ROW is not designed to function as a road, as heavy vehicles and equipment can damage the pipelines below.

A few important notes when it comes to the ROW and pipeline markers:

- The pipeline marker displays the operator's name, the contents and an emergency phone number.
- It is prohibited to remove, relocate or damage pipeline markers.
- The ROW must remain clear to allow access for proper inspections, maintenance or in case of an emergency. Encroachments of the ROW such as structures, stockpiles, stored equipment and burn piles must have the company's written consent. Pipelines are patrolled from the air and the ground and obstructions can prevent proper inspections.
- The approximate location of a pipeline may be determined by a pipeline marker. However, markers should not be used to give exact locations and are not an alternative to contacting clickbeforeyoudig.com.
- Report any Enbridge pipelines exposed by erosion or other causes to our 24-hour emergency number for your area.
- Choose a location other than the ROW as your muster point or meeting place when developing your emergency plans for your work site.



Vent marker



Line marker



Aerial marker

Marker appearance may vary in your area.

Consent within the prescribed area and ROW

The **prescribed area** is a 30-m strip of land, measured perpendicularly on each side from the centreline of pipe(s). Within this area, any activities that can or might cause a ground disturbance cannot occur without written consent from Enbridge – or the specified pipeline company – under regulatory requirements.

If written consent for an activity is granted, it is mandatory to then make a locate request in order to confirm and identify the location of the pipeline and any other underground utilities.

Any planned construction activities on, along, under or across the pipeline must also receive approval from Enbridge in addition to a locate request, before going ahead. Written consent from Enbridge is also required for vehicle or mobile equipment crossings within or travelling along the ROW.

Canada Energy Regulator requirements and penalties

Enbridge's pipelines are regulated by the Canada Energy Regulator (CER), which sets specific standards and regulations for compliance. These regulations help maintain the safety of our pipelines while allowing certain activities to occur (subject to review and conditions).

Activities on the ROW and prescribed area, including ground disturbance, excavation, vehicle/mobile equipment crossing, as well as construction, are subject to the Canadian Energy Regulator Act (CER Act), the CER Pipeline Damage Prevention Regulations – Authorizations and CER Pipeline Damage Prevention Regulations – Obligations of Pipeline Companies (together, the DPRs).

Violations of the CER Act and associated regulations such as the DPRs must be reported by the pipeline company to the CER. The CER Act sets the maximum daily fines (known as Administrative Monetary Penalties or AMPs) of up to \$25,000 for individuals and \$100,000 for companies (per violation).

More information about the DPRs and AMPs can be found on the CER website at cer-rec.gc.ca.

Know what's near you



Above ground facilities




While most Enbridge pipelines are buried underground, our system also includes additional facilities such as compressor stations, metering stations and natural gas storage. It's important that you know what to expect as part of the normal operations at these facilities.





If you notice any suspicious activity or an abnormal odour near one of our above ground facilities, call 911 immediately, then call Enbridge's 24-hour emergency number for your area.

Facility and purpose	Normal operations
Compressor stations move natural gas through the pipeline at a consistent pressure.	Each station has built-in safety features that detect problems and automatically shut down equipment. During normal operations, no significant odours should be detected.
Metering stations measure and valve sites control the flow of products through the pipeline.	No significant odours should be detected during normal operations.

Our safety measures

Safety is, and always will be, our number one priority. Our team devotes significant time every year to keeping our systems running smoothly and without incident. We invest heavily in safety measures, including:

-  Inspection and preventative maintenance programs
-  Around-the-clock monitoring of pipelines and facilities
-  Emergency response training and drills for employees and local emergency responders

-  Pressure tests on new and existing pipelines
-  Aerial and ground patrols along the pipeline ROW
-  Automatic shut-off and remote-control valves
-  High-quality pipeline materials and protective coatings

Enbridge has enhanced safety measures for pipelines that cross bodies of water and highly populated or environmentally sensitive areas.

To read more about our pipeline safety efforts, visit enbridge.com/safety.

Crossing or traversing the ROW

If any of your activities will encroach or cross an Enbridge pipeline, ROW, or involve any construction activities within the prescribed area, you must contact Enbridge for an assessment and written consent.

Some examples of such activities across, over, on, along or under an Enbridge asset and/or ROW include:

- Construction or installation of a new facility
- Operation or movement of vehicles, mobile equipment or machinery outside of the travelled portion of a highway or public road
- Subdivision development
- Installation of agricultural drainage tile
- Overhead power lines that cross or parallel the specified area
- Maintenance of existing applicant facilities

All metallic foreign lines need to be assessed for potential impact on our corrosion control.

Enbridge must also be notified of blasting activities within 300 m of an Enbridge pipeline ROW.

In addition to having your proposed activity assessed, we also have construction guidelines for you to follow when working around or near our ROW.



An electronic version of this brochure can be found by scanning this QR code or visiting enbridge.com/brochures.

Below are some general guidelines; however, there may be more job-specific construction guidelines that our representative will provide you prior to beginning your work.

- 1 Once written consent is obtained, we require at least two to three working days' notice prior to the commencement of any work over or near the ROW so we can field-locate our pipelines. Additionally, Enbridge may require a representative on-site before any construction activities occur within the prescribed area. Your representative will inform you if this is required. If any work being performed is deemed unsafe, your representative is authorized to stop such activities.
- 2 No building, structure or obstruction is allowed to be erected within the pipeline ROW. If you have questions related to the width of the pipeline ROW, just ask and we'll be happy to share that information with you.
- 3 A company representative must give written approval for heavy/non-exempt equipment to cross pipelines at any location.
- 4 Excavation within the pipeline ROW must be performed in accordance with company-approved procedures.
- 5 In addition to complying with the above requirements, you must follow all federal and/or provincial laws and regulations including applicable One-Call requirements. To learn more, visit clickbeforeyoudig.com.

Crossing during an emergency:

If a crossing is required while responding to an emergency, please call Enbridge's emergency number before crossing the ROW.

➤ **1-800-663-9931**

Non-emergency crossings:

If you are planning work on the right-of-way, such as building a fence, deep tilling, digging a ditch, operating equipment or have crossings-related inquiries, please email crossingscanada@enbridge.com or call **1-800-668-2951**.

For more information, visit enbridge.com/crossings.

Contact Enbridge

In case of an emergency, please find a safe place to **call 911** and then call Enbridge at:

1-800-663-9931

To reach an Enbridge land representative, call **1-800-668-2951** (toll-free) or email **landcontactcan@enbridge.com**.

How to reach us



Phone:

(non-emergencies only)
1-877-640-8665



Email:

cdnpublicawareness@enbridge.com



Mail:

Public Awareness Program
200, 425 1st Street S.W.
Calgary, AB T2P 3L8



Website:

enbridge.com/publicawareness



Facebook:

facebook.com/enbridge

Call or Click Before You Dig

- clickbeforeyoudig.com
- Utility Safety Partners (in Alberta)
1-800-242-3447
- BC 1 Call **1-800-474-6886**

Links for more information

Information about product characteristics can be found at **enbridge.com/publicsafetyinfo**.

To view maps of Enbridge pipelines in your area, **visit enbridge.com/map**.

CER

Please scan the QR code to view the CER's "Living and Working Near Pipelines" brochure.



Critical safety information



Risk: Ignoring the critical safety information below could create additional hazards for the public, responders and the environment.

Recognizing a pipeline leak

In the unlikely event of a pipeline leak, one or any combination of the items listed below can typically help you recognize a leak.



You might see:

- Dirt being blown or appearing to be thrown into the air
- Flames, if gas is ignited
- A white vapour stream or mist-like cloud
- Unexpected frost buildup on the ground
- Dead or dying vegetation in an otherwise green area
- Continuous bubbling in wet areas or at a pond, creek or river



You might hear:

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



You might smell:

- Odourized pipelines: An unusual sulphur or rotten egg odour
- Unodourized pipelines: A slight smell similar to diesel fuel or oil

Hazards associated with a natural gas pipeline leak or rupture



Dizziness or suffocation if a leak occurs in a confined space



Ignition/fire if an ignition source is present during a leak, which may result in burns



Potential explosion if the natural gas is mixed with air



Projectiles ejected by the force of escaping gas

In the event of a pipeline leak



Do not touch any liquid or vapour that may have come from the pipeline.



Do not drive into the area.



Do not remain in a building if the smell is stronger inside than outside.



Do not turn on or off anything that may create a spark – including cell phones, telephones, two-way radios, light switches, vehicle alarms, vehicle keyless entry systems and flashlights – until you are in a safe location.



Do not light a match and avoid open flames.



Do not attempt to extinguish a natural gas fire.



Do not open or close any pipeline valves; leave all valve operations to pipeline company personnel.

What happens next?

Public safety will be the top priority as Enbridge, contractors and local emergency responders work together to evaluate and respond to a pipeline leak. Local public safety officials will determine whether residents should evacuate or shelter in place.

Steps for a safe response

If you are in immediate danger, damage the pipeline (including coming into contact with the pipeline coating) or observe or suspect a pipeline leak—even if you are uncertain of the severity—take the following steps:

1

Abandon any equipment being used in or near the area, moving upwind of the product release.

2

Warn others to stay away.

3

Call 911.

4

Call the toll-free, 24-hour Enbridge emergency number for your area:

☎ 1-800-663-9931.

5

Follow instructions given to you by local emergency responders and Enbridge.