



Pipeline Abandonment PLANNING

With ongoing maintenance, the application of the latest technology and sound operating practices, pipelines can have an indefinite lifespan.

While we don't anticipate terminating operation of our pipeline system in the foreseeable future, as the owner of significant infrastructure, we need to plan for our pipeline's end of serviceable life.

The process to permanently stop operating a pipeline is called abandonment. Pipelines are typically decommissioned before the operators file an abandonment application with the regulator. Abandoned pipelines are often left in the ground, and in some circumstances, they can be removed completely. An application is submitted to, and must be approved by, the CER to ensure protection of the environment and the public.

The choice between removing or abandoning in place depends on the current and future uses of the land and the impacts each option will have on the surrounding environment. Landowners will be consulted as part of the abandonment application. If we propose to abandon a pipeline, we'll work with the landowner to review specific land use and the appropriate method for the lands.

Should our pipelines need to be abandoned, our priority would be to undertake the required work in an environmentally safe way.

To help us get there, we have developed an action plan to address all aspects of the process, including general methods and costs. We're required by the CER to set aside funds that are protected in a trust to cover costs associated with abandonment. Trans Mountain will collect these funds over 40 years from our customers who transport petroleum products through our pipeline system.

We file annual updates with the CER regarding the status of the fund and, as of the end of 2019, more than \$73 million is available in the trust. Trans Mountain provides information about fund balances and the plan on our website: transmountain.com/pipeline-abandonment. The CER annual update can be found on its website: apps.cer-rec.gc.ca/REGDOCS/Item/View/3921533.

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Since 2011, we've been communicating information about pipeline abandonment to landowners, occupants and land managers along our pipeline system. A site-specific plan that protects the public, while having minimal impact on the environment, will be developed in consultation with landowners as we approach the time of abandonment.

Please contact us at 1.866.268.3001 or landowners@transmountain.com with any questions, comments or suggestions about pipeline abandonment.

Damage Prevention is a Shared Responsibility:

CALL or
Click
Before
YouDig.com

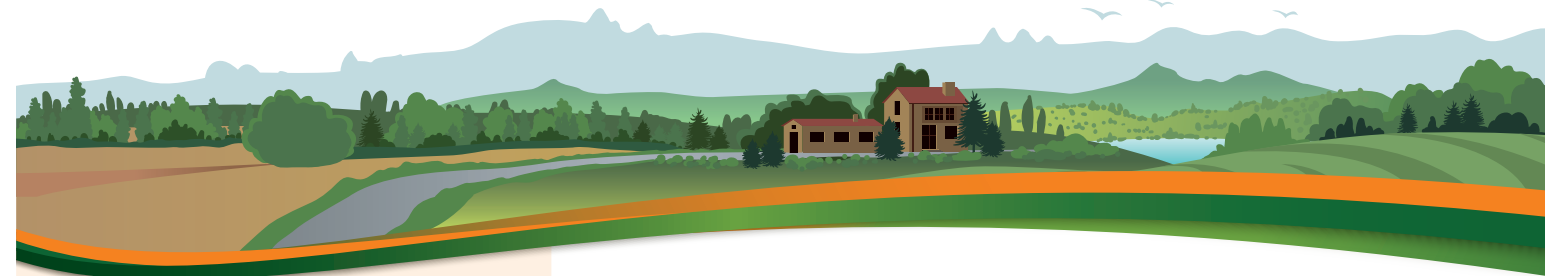
BC 1 Call
1.800.474.6886

Alberta
One-Call
1.800.242.3447

Washington
call 811



Pipeline Emergency?
Call 24/7:
1.888.876.6711



INVESTING in our Communities

Trans Mountain has a long history of community connections and we're proud of the relationships we've built throughout our more than 65 years of operation.

As part of our company's mission, we strive to be good neighbours and give back to the communities where we live and work – from the Edmonton area to Vancouver Island and Puget Sound.

Through our Community Investment Program, we invest in a variety of grassroots programs and initiatives that help build stronger communities.

The organizations we support focus on environmental stewardship, community well-being and education, which are pillars of the program. Grants are available up to \$5,000 per organization each year and are designed to address the needs of the community. In 2019, Trans Mountain donated approximately \$240,000 to more than 100 Indigenous and local organizations in BC and Alberta.

We've been able to help groups like the volunteer-run Juan de Fuca Salmon Restoration Society on southern Vancouver Island. Over the past five years, we've provided the society with \$25,000 to help

maintain its salmon interpretive centre and demonstration hatchery on the Charters River.

Last year, we made a one-time donation of \$10,000 to the Wildlife Rescue Association of BC to help expand its medical treatment centre. We also supported an Indigenous Youth Training Program with the Trade Winds to Success Training Society, which helps those interested in a career in the construction trades. These are just a few examples of how our community investments make a difference.

Our employees and contractors are a vital part of our Community Investment Program.

We encourage and support them to be active members of their communities through volunteering, donations and giving back.

It's important for us to have a meaningful local impact and create positive legacies.

Do you know an organization that Trans Mountain should invest in? We are always pleased to receive requests and support groups that are making a difference. Find out more about the program and apply for a grant online at transmountain.com/community-investment.

Approximately
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New firehall and emergency response centre in Chu Chua, near Barriere, BC, funded by a Mutual Benefits Agreement between the Simpcw First Nation and Trans Mountain.



New Coal Train pump track in Robb, AB, made possible by a Community Benefit Agreement between Trans Mountain and Yellowhead County.

We donated \$10,000 to the Wildlife Rescue Association of BC in 2019.



All photos are pre-COVID-19.

In case of a pipeline emergency or to report odours, call 24 hours: 1.888.876.6711



COMMITTED TO SAFETY SINCE 1953.
landowners@transmountain.com | 1.866.268.3001
transmountain.com

Construction PROGRESS

As of October 2020, Trans Mountain Expansion Project construction is approximately 20 per cent complete.

Construction at our terminals is well underway with preparation to add 19 new storage tanks and three new marine loading berths.



Work on the portal of the Burnaby Mountain Tunnel is on track and tunnel boring is expected to begin soon.

Trenchless construction at major river crossings is progressing well and construction of the new pipeline has been initiated in all spreads except the Fraser Valley.

For more information about construction or to sign up for our regional construction updates, please visit our interactive map at: transmountain.com



MEASURING Air Quality

At Trans Mountain, we take our commitment to environmental protection seriously and work hard to minimize impacts to neighbours in the surrounding residential communities.

That's why, as a part of the Expansion Project, we'll be installing new air monitoring stations within the fenceline at our Sumas, Burnaby, Westridge Marine and Edmonton Terminals in 2021.

Understanding what's in the air is an important part of emissions management. These stations will be used to continuously measure and monitor the combined effects of air emissions from the Expansion



Site monitoring unit

Project once it's operational, as well as emissions from other sources common to the air shed.

The data collected will ensure proper preventive and mitigation measures are implemented so we can protect air quality and remain compliant with necessary regulations and requirements.



Air monitoring station with inner workings.

The monitoring methods will follow applicable regional, provincial and federal guidelines and we plan to publish the readings in real-time via a web-based reporting platform. We will also issue a report to the Canada Energy Regulator (CER) annually detailing the monitoring results, including an assessment of the readings in terms of compliance with our air quality objectives.

The stations will be operated for the life of the facilities and the information gathered will help us assess the environmental performance of our operations over the long term and maintain a historical record of emissions and emission levels.

The installation of these new state-of-the-art units further builds on our commitment to environmental protection in all areas of our construction activities and ongoing operations.

ENHANCING our Emergency Management

Safety is our top priority and the cornerstone of everything we do at Trans Mountain.

However, in the rare case of an emergency, the detailed response procedures, specialized equipment and trained response personnel that make up part of Trans Mountain's Emergency Management (EM) Program ensure we are prepared to respond quickly and effectively anywhere along the pipeline system.

The input received from landowners along the pipeline corridor is an important part of

ongoing enhancements to our EM Program. For example, Trans Mountain's Geographic Response Plans (GRPs) have been updated with input received from Indigenous groups and local stakeholders.

The GRPs are designed to guide and direct initial response actions of emergency spill responders during the first few crucial hours of an incident by identifying locations, or control points, where responders could intercept, contain and recover spilled product. Identifying these locations ahead of time enables responders to deploy equipment quickly and more effectively, limiting potential downstream impacts.

Engagement continues to be a priority for our team and landowners are encouraged to contact us if you would like to discuss the EM program or submit an input for consideration.

To learn more about our EM Program, please visit: transmountain.com/emergency-management or email us: landowners@transmountain.com



Full-scale exercise showing ice and snow response activities in Kamloops, BC.

IMPORTANT Pipeline Safety

If you smell



- chemical or petroleum odours
- sulphur or rotten egg

If you see



- a pool of liquid near the right-of-way
- a rainbow sheen on water
- dead or discoloured vegetation

If you hear



- unusual noises such as roaring or hissing

IF YOU NOTICE ANY OF THESE WARNING SIGNS:

- Turn off vehicle engines
- Leave area immediately, on foot and upwind
- Warn others away
- Eliminate ignition sources (keyless door entry, cell phone or flashlight)
- Call 911 from a landline
- Call Trans Mountain's 24-hour emergency line

DO NOT: Re-enter the area;

Touch any liquid; Operate pipeline valves; Try to extinguish any fires.