

N.W.T.

AB

BC

SK

HR Milner Power
Plant Delivery SMS

Grande Cache
Lateral

Grande
Prairie

Peace River ML
Extension

Carson Creek Lateral

Hylo South RMS

Hylo RMS

Edmonton

Calgary

Fort
McMurray

Tweedie Lateral

Hylo Lateral

Medicine Hat

Proposed project

2021 Pipeline Decommissioning Program

Life cycle of a pipeline

TC Energy has operated pipelines safely and reliably for over 65 years. Today, we operate more than 93,000 kilometres (km) of natural pipelines that transport more than 25 per cent of the natural gas needed in North America every day.

TC Energy considers a number of factors when identifying facilities that are no longer required for service (i.e., decommissioned or abandoned) such as the ability to meet customer requirements, integrity of the facility and operating costs.

All aspects of the life cycle of a pipeline – from design and construction, to operation and decommissioning and abandonment – are regulated by the CER. When TC Energy wants to decommission or abandon a facility, we submit an application or notification to the CER that provides information on topics like safety environment, stakeholders and Indigenous engagement. The work to decommission a facility only begins after we receive regulatory approval, if required.

Decommissioning and abandonment plans are guided by three key principles, consistent with the Canada Energy Regulator (CER) guidelines:

Safety – minimize risk to the public, employees and contractors

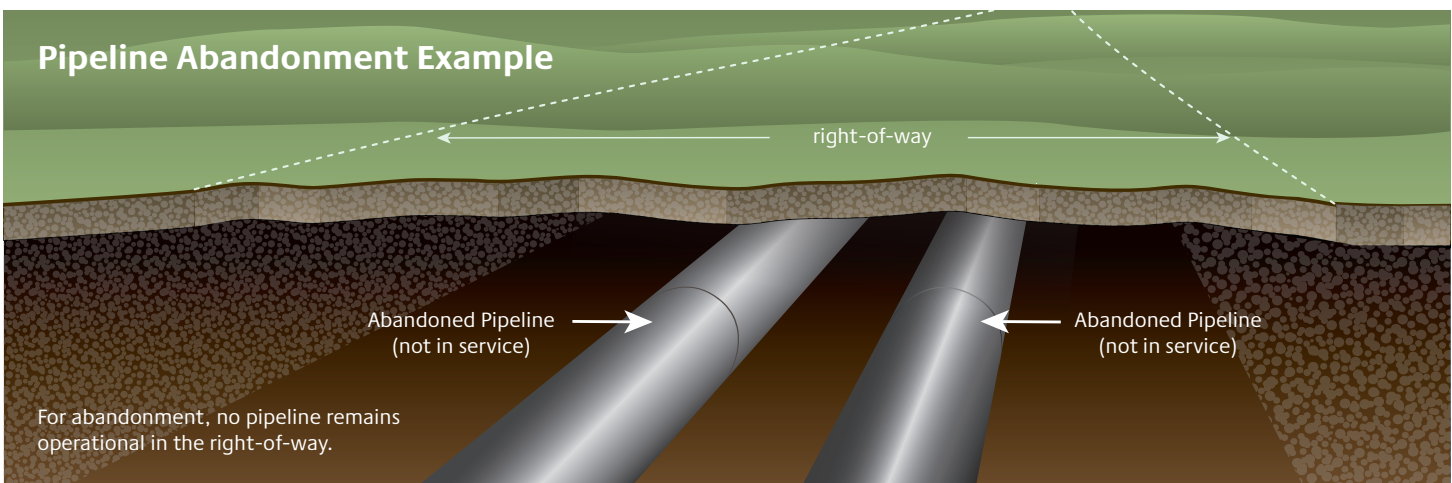
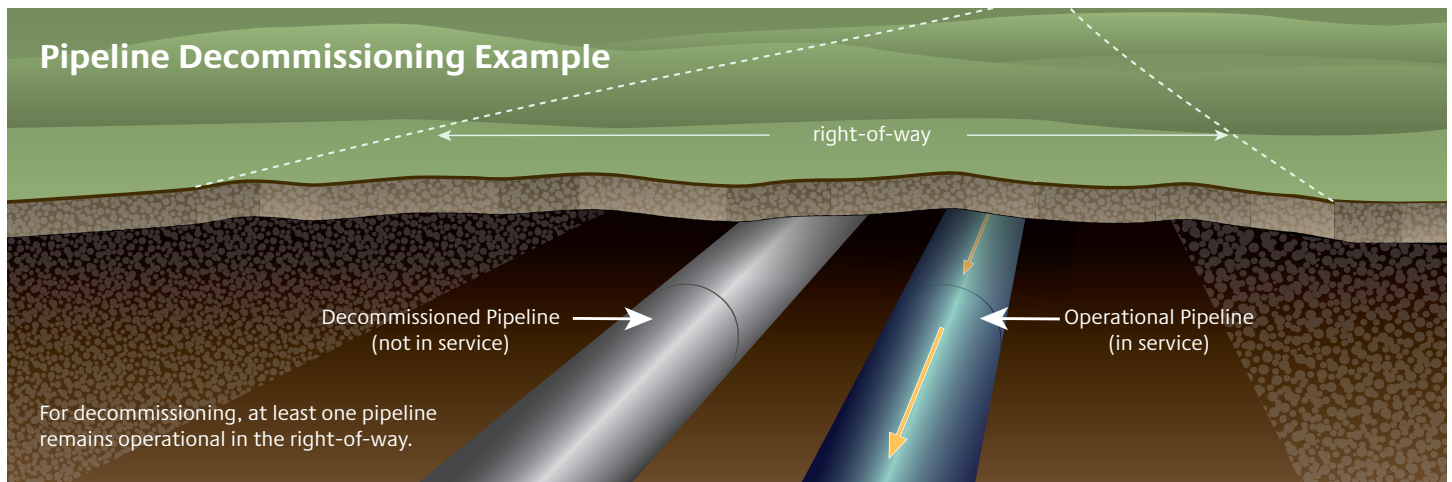
Environmental Protection – minimize long-term environmental effects

Cost Effectiveness – the safety and environmental protection objectives are met in a cost-effective manner

What is the difference between decommissioning and abandonment of a pipeline?

Many of our right-of-ways have more than one pipeline transporting natural gas. Decommissioning occurs when a pipeline located in the same right-of-way as another operational pipeline permanently stops operating while the other line continues to operate.

Abandonment occurs when a single pipeline or the last operational pipeline in a shared right-of-way permanently stops and no longer provides service.



What will happen on my property?

You will begin receiving letters and brochures like this one, so we can begin the conversation about what activities will occur, if any, on your property. You will receive a phone call from a TC Energy representative who may request a face-to-face meeting to discuss your property and any access that may be needed to facilitate our work.

We will ensure that the pipeline or above ground facility is decommissioned with minimal impacts to you or the environment. TC Energy will pay for all costs associated with the program including clean-up and reclamation of any disturbed areas.

What if I'm concerned about my natural gas service being impacted?

Please contact your natural gas utility service provider for further information.

What steps will TC Energy take to protect the land and environment?

TC Energy collects, analyzes and evaluates site-specific environmental information in an effort to minimize any potential environmental effects. The assessment considers, but is not limited to, soil, vegetation, wildlife, infrastructure and services, communities and their economies.

There will be equipment on site for use in preparing the pipeline for decommissioning and for transporting required materials and personnel. Appropriate measures to mitigate potential environmental effects related to decommissioning activities will be implemented.

Physical decommissioning activities typically generate a certain amount of noise, however; all noise from abandonment activities will meet applicable limits set by the applicable regulator.

What happens to pipeline that is below the ground?

To minimize any potential environmental impacts, the decommissioned below ground pipeline will remain undisturbed in the ground after the pipe is cut, cleaned and capped. Cathodic protection will be maintained along the pipeline while the facilities are in a decommissioned state. This will ensure the structural integrity of the pipeline is maintained for all road, canal and rail crossings.

What happens to above ground facilities?

During decommissioning, the pipeline and associated meter stations will be physically disconnected from all upstream and downstream facilities. Above-ground facilities, such as meter stations, will be removed and yard-piping will be modified, as required.

What happens to the right-of-way (ROW) after the decommissioning work is complete?

TC Energy remains responsible for the ROW after the pipe is decommissioned, as there is still an operational pipeline within the same ROW. Our operations group will continue to monitor the pipeline ROW.

How does TC Energy engage with stakeholders?

TC Energy engages regularly with our stakeholders and communities. We share information about our plans and activities while listening to your views. We gain valuable insight from these discussions and use this information in our planning, development and operations activities.

Engagement may involve one-on-one discussions, public presentations or open houses. We supplement face-to-face meetings with written materials and other forms of communication such as fact sheets, brochures, websites, email and a contact number.

How does TC Energy engage with Indigenous groups?

Building and maintaining relationships with Indigenous groups near our proposed projects and existing facilities has long been an integral part of our business. TC Energy works with groups to identify potential effects of company activities and to find mutually satisfactory solutions and benefits.

What is TC Energy's dispute resolution process?

Our approach to consultation and engagement with stakeholders including landowners and Indigenous groups is designed to inform and to address issues or disputes to reach a mutual resolution or mitigate effects. We work hard to address questions and resolve issues raised by those who are potentially impacted by our projects. We consult early and often, invite feedback, and continue to provide updates and mitigate concerns throughout the regulatory process and the life cycle of the program.

TC Energy's preferred method for addressing the concerns of stakeholders including landowners and Indigenous groups is direct and respectful discussion. Issues received or identified during these discussions are systematically tracked and followed up on to promote mutual resolution and positive interest-based outcomes. In the event that mutual resolution through this approach is not achievable, the parties may consider use of the CER's collaborative Alternative Dispute Resolution (ADR) Process.





How does TC Energy prepare for and respond to an emergency?

The program will be carried out in a safe and environmentally responsible manner. In the unlikely event of an emergency, our comprehensive Emergency Response Program would be activated. We train our staff to know what to do in the event of an emergency. We also collaborate with area emergency responders to ensure a coordinated response in the event of an incident.

In the event of an emergency, please contact TC Energy's 24-hour emergency line at 1-888-982-7222.

TC Energy periodically provides information beginning at the early stages of project development, including prospecting, continuing throughout the life of assets. The information provided is intended to give people the opportunity for meaningful input and inform stakeholders of our proposed activities. Please be aware that as planning progresses, new information becomes available and details may change from the time of this printing. TC Energy follows the Official Languages Act and respects your choice to receive relevant information from us in English or in French. Please contact us if you prefer to receive French-language materials and updates

How can I contact TC Energy about this program?

There are several ways for you to contact us about this program. Here's our contact information:

Segun Arokoyo, Program Manager
Phone: 403-920-1374
Email: segun_arokoyo@tcenergy.com or public_affairs_ca@tcenergy.com

Or write to TC Energy at:

TC Energy
450 – 1st Street S.W.
Calgary, Alberta T2P 5H1
www.tcenergy.com

If you would like further information regarding the CER's approval process, we would be pleased to provide you with information or you can contact the regulator directly at:

Canada Energy Regulator
Suite 210, 517 10th Avenue S.W.
Calgary, Alberta T2R 0A8
Phone: 1-800-899-1265
Email: info@cer-rec.gc.ca
Canada Energy Regulator (cer-rec.gc.ca)