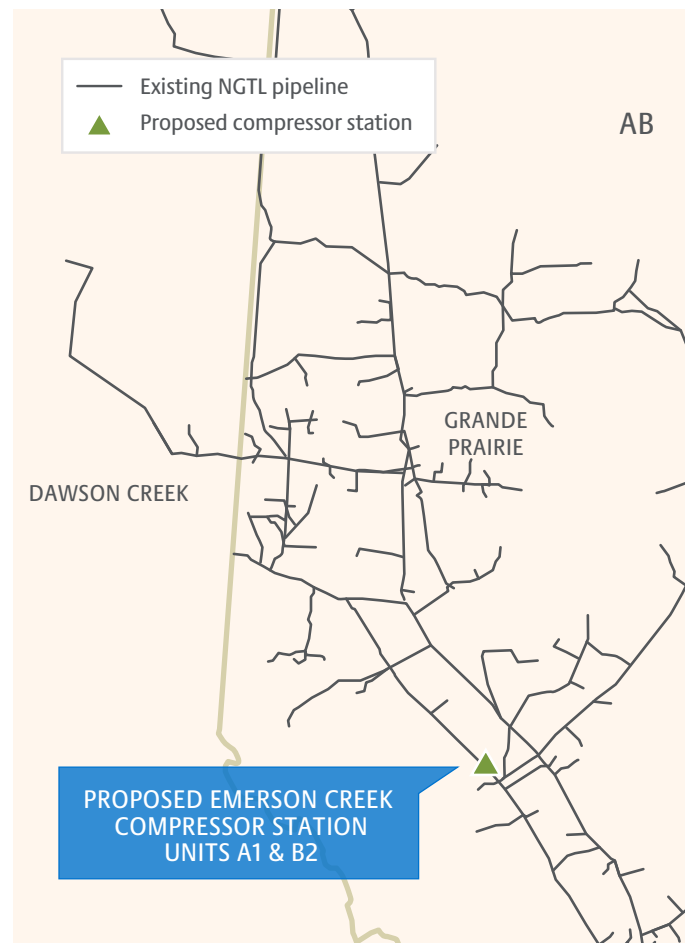
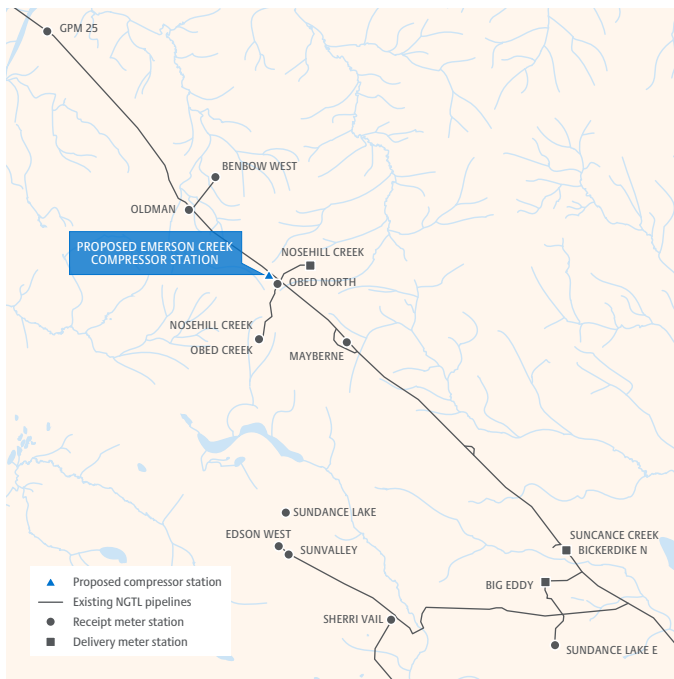


Emerson Creek Compressor Station Project.

The Western Canada Sedimentary Basin (WCSB) is one of North America's most prolific natural gas production basins, and it is of key importance to the Canadian economy. Given the pace of production of natural gas in Alberta and British Columbia (B.C.), the most important issue for WCSB producers is getting their product to market. Natural gas producers have asked NOVA Gas Transmission Ltd. (NGTL), a wholly owned subsidiary of TransCanada PipeLines Limited (TCPL), an affiliate of TC Energy, to increase natural gas transportation service on our existing natural gas pipeline system. We are proposing to construct and operate a new compressor station to address this need.





Emerson Creek Compressor Station (C/S)

The proposed Emerson Creek C/S would involve the construction of a new compressor station consisting of two 30MW units located in Alberta, approximately 40 km northwest of Edson, Alberta within S½ 31-055-20 W5M and NE¼ 30-055-20 W5M. The Emerson Creek C/S will be located entirely on Crown lands.

Q4 2019	Engagement Start
Q2 2020	CER Project Notification
Q2 2021	Section 214 CER Application
Q1 2022	Early Clearing Start
Q3 2022	Construction Start
Q2 2024	In-Service Date

Our NGTL assets are regulated by the Canada Energy Regulator (CER) and we anticipate filing an application under Section 214 of the Canadian Energy Regulator Act in Q2 2021.

With more than 65 years’ experience, TC Energy is a leader in the responsible development and reliable operation of North American energy infrastructure including natural gas and liquids pipelines, power generation and gas storage facilities. We safely deliver the energy that millions of North Americans rely on every day to power their lives and fuel industry.

Responsible stakeholder and rightsholder engagement

Guided by our values of safety, responsibility, collaboration and integrity, we are proud of the positive relationships we have built with our neighbours for the last 65 years. We recognize that ensuring Indigenous groups, as rightsholders, and our stakeholders are engaged and respected is critical to TC Energy’s success.

We are committed to sharing information and seeking public input which results in better plans – for us, stakeholders, rightsholders and communities as a whole. We document the entire stakeholder engagement process including the issues raised by stakeholders and rightsholders, along with the ways we address these issues.

Commitment to engagement and addressing concerns

Our approach to consultation and engagement with stakeholders, landowners, and Indigenous groups is focused on understanding concerns and addressing issues related to our projects and operations. We engage and consult early and often, invite feedback, provide updates and address concerns throughout the regulatory process and throughout operations.

Our preference for addressing concerns is through direct and respectful discussion. Issues received or identified during these discussions are systematically tracked and followed to promote mutual resolution. If mutual resolution is not achievable, parties may consider use of the CER’s collaborative Alternative Dispute Resolution (ADR) process.

Engaging 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. We recognize Indigenous groups as rightsholders who have a distinct relationship with the land. We know that our activities have the potential to affect the lives of Indigenous groups in a tangible way.

We work closely with Indigenous groups to understand the potential effects of the Project on the exercise of Indigenous rights and any other interests of Indigenous peoples in the Project area. The information we work with Indigenous groups to collect is considered in the project planning process and evaluated by provincial and federal authorities, including the CER, as part of their regulatory review.

We aim to conduct our activities in a way that fosters mutual understanding and benefit – this includes working with communities to identify and manage potential effects of our activities and provide enduring economic opportunities. TC Energy also provides business, employment, training opportunities, and supports community-led initiatives of Indigenous groups that focus on safety, community, environment and education.

Community benefits

Our projects offer long-term economic benefits and help strengthen the economy on a local, provincial and national level:

- Employment and business opportunities – Construction requires the services of equipment operators, welders, mechanics, truck drivers, labourers, and more, as well as creates demand for local goods and services. Vendors interested in working with us can visit TCEnergy.com to register as an interested local service provider. We award contracts to qualified pipeline construction contractors and work with them to provide local employment opportunities.
- Annual revenue to support local services – Project construction results in tax payments to all levels of government. When the project is operational, annual tax payments help support schools, hospitals, emergency services and other local programs vital to communities.
- Investment in local communities and Indigenous groups – Giving back to the communities where we operate has always been part of our culture. Whether it’s partnering with community groups, supporting local initiatives or encouraging our employees to be involved in their neighbourhoods, the goal of our Build Strong community investment program is to build strong and vibrant communities across North America. Visit TCEnergy.com/BuildStrong for more information.

Managing our environmental footprint

Whether it's designing, building, or operating energy infrastructure, we are committed to being responsible environmental stewards on the land we share – and our environmental principles of stewardship, protection and performance help guide our decisions. As part of our commitment, and in support of the regulatory process, we assess potential effects that may be associated with construction and operation of a proposed project. Some examples of possible effects associated with meter station, compressor station or pipeline projects include potential effects to soil, water, fish, and wildlife, air quality, and noise.

The Environmental and Socio-Economic Assessment prepared for a proposed project considers potential effects on communities and groups whose interests may inform our planning process, including the potential for the project to impact diverse groups of people. We propose mitigation and enhancement measures and evaluate the significance of residual effects once these measures are implemented. An Environmental Protection Plan is also developed to identify the necessary measures to be used during construction, and the best practices we use to guide operations of the assets throughout their life cycle to manage effects and maintain equivalent land capability.

At the end of a pipeline's lifecycle, the asset is taken out of service with as much thought and care as when it was proposed and constructed. We follow the Canada Energy Regulator's processes for end-of-life planning. More information about pipeline end-of-life is available on our website at [TCEnergy.com/about/energy-101/lifecycle-of-a-pipeline/](https://www.tcenrgy.com/about/energy-101/lifecycle-of-a-pipeline/)

Route and site selection

TC Energy employs a systematic and thorough route and site selection process during prospecting using a variety of considerations, such as:

- desktop studies
- helicopter surveys
- ground verification and on-the-ground field survey
- engineering, geotechnical and environmental field studies
- co-location of the pipeline along existing disturbances and corridors to minimize new footprint

The route and site selection consider the objectives of minimizing the total route length or land requirements, meeting applicable regulatory requirements and reducing the environmental footprint, while carefully assessing overall construction complexity and our ability to meet customer needs.

Once a route and/or site is proposed, feedback received through stakeholder, landowner and Indigenous engagement informs the assessment of proposed routes and sites.

What to expect during and after construction

The planning that goes into the construction and operation of our projects reflects commitments we've made and conditions we receive during the regulatory review process. We track and report our progress on regulatory conditions with the CER and follow up on the commitments we've made to honour the relationships we've built with Indigenous groups, communities and landowners.

During construction there is an increase in traffic in and around the project area as well as heavy equipment onsite for earthworks, material handling/hauling, welding and testing. We adhere to construction plans and the Environmental Protection Plan to ensure that the impacts of construction activities on communities are minimized.

Many of our projects include the use of temporary work space and, where required, workforce accommodations purpose-built to support construction. Where our plans include these features, we begin the conversation with potentially affected stakeholders early on to hear and understand community interests.

Access to and from site is planned based on a number of factors including finding the safest and most efficient routes to our work site, existing infrastructure, new infrastructure required to support construction, and municipal planning. Access planning is refined throughout project development and final plans are communicated to communities prior to work starting.

Once construction is completed, the impacted land area, including our temporary workspace and workforce accommodation areas, is reclaimed to an equivalent land capability so that it can support various uses such as wildlife habitat or agricultural purposes, similar to the ability that existed previously. Measures are taken to prevent topsoil/surface material loss from wind and water erosion and to establish a vegetative cover native to the surrounding vegetation and land use. After the facilities are constructed, there will be minimal traffic associated with ongoing operations and maintenance.

On freehold lands, landowners have the right to fully use and enjoy the right-of-way subject to the terms of the right-of-way agreement, and CER and Damage Prevention Regulations. To provide public safety and to protect property and the environment, written consent from TC Energy is required for certain activities on the pipeline right-of-way and within the 30-meter prescribed area. These activities include but are not limited to: operating motor vehicles or mobile equipment, reducing or adding soil cover, and any excavation or ground disturbance. Stakeholders may contact TC Energy with at least 10 working days' notice to apply for written consent at [writtenconsent.transcanada.com](https://www.writtenconsent.transcanada.com). After written consent has been received, request a locate by visiting [ClickBeforeYouDig.com](https://www.clickbeforeyoudig.com) or calling the appropriate provincial One-Call Centre.

Ensuring our pipelines and facilities are safe

Our safety program starts before construction. We use only high-quality materials, the latest proven technologies and industry-leading practices to ensure the integrity of our pipelines and facilities. We are a leader in North America in the use of automatic welding and ultrasonic testing technologies to construct pipelines. These technologies ensure high quality welds are made and every weld is inspected by qualified independent inspectors during construction. Prior to placing a pipeline in service, it is hydrostatically tested with water at a higher pressure than it will see during operations. In addition, pipeline inspection tools with high resolution sensors are run through the pipeline to check for any other irregularities prior to flowing natural gas.

Compressor stations are designed to be remotely operated in a safe and efficient manner and a number of systems are built into them to ensure the safety of the facility, our employees and the environment. Processes are continuously monitored from centralized control centers and staff will respond quickly to the site if required. When a potentially hazardous condition is recognized, the system can be shut down remotely, either by controllers or, in some cases, automatically.

Once operational, we use state-of-the-art leak detection systems, safety features such as shut-off valves and provide highly specialized training for people working on our assets. Our pipeline systems are monitored 24 hours a day, 365 days a year by trained operators in our Operations Control Center who manage the most sophisticated pipeline monitoring equipment and technology available. Our industry-leading asset integrity programs manage our pipeline and facilities for their entire life cycle to ensure they provide safe and reliable energy to consumers throughout North America.



Emergency preparedness and response

Our goal is to ensure that our pipeline and facilities operate safely every day and that the public, our employees, and the environment are protected during the unlikely event of an incident involving our assets. All TC Energy safety initiatives are designed to advance one goal: Zero is Real. We are proud to have an industry-leading safety record and continue to work towards our goal of zero safety incidents.

At the first sign of any potential issue on our pipeline systems, our control center operators can stop the flow of product through the pipeline in minutes and investigate. If an irregular condition is detected, pipeline operators immediately dispatch emergency personnel to the scene to investigate. The pipeline is not restarted until it has been confirmed on site by qualified personnel that it is safe to do so.

In the unlikely event of an incident, all our assets have specific Emergency Response Plans that outlines the steps we'll take to respond. Our Emergency Preparedness and Response team is focused on quickly and effectively responding to emergencies and mitigating any impacts that may have occurred to public safety, property or the environment in a timely manner.

In the unlikely event that an incident occurs, we are ready to respond safely and effectively, in partnership with local first response agencies, and regional and national authorities. In the event of an emergency, please contact TC Energy's 24-hour emergency line at **1-888-982-7222**. Find out more by visiting [TCEnergy.com](https://www.tcenenergy.com).

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 and new information becomes available, 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.

Contact us

Contact us with any questions about our prospecting:

1-855-895-8754
public_affairs_ca@tcenergy.com

Or write to us at:

TC Energy
450 - 1 Street S.W. Calgary, AB
Canada, T2P 5H1

For further information regarding the CER's processes, please contact us or contact the regulator directly:

Canada Energy Regulator
Suite 210, 517 - 10 Avenue S.W. Calgary, AB
Canada, T2R 0A8
1-800-899-1265
info@cer-rec.gc.ca
www.cer-rec.gc.ca

[TCEnergy.com](https://www.tcenenergy.com)