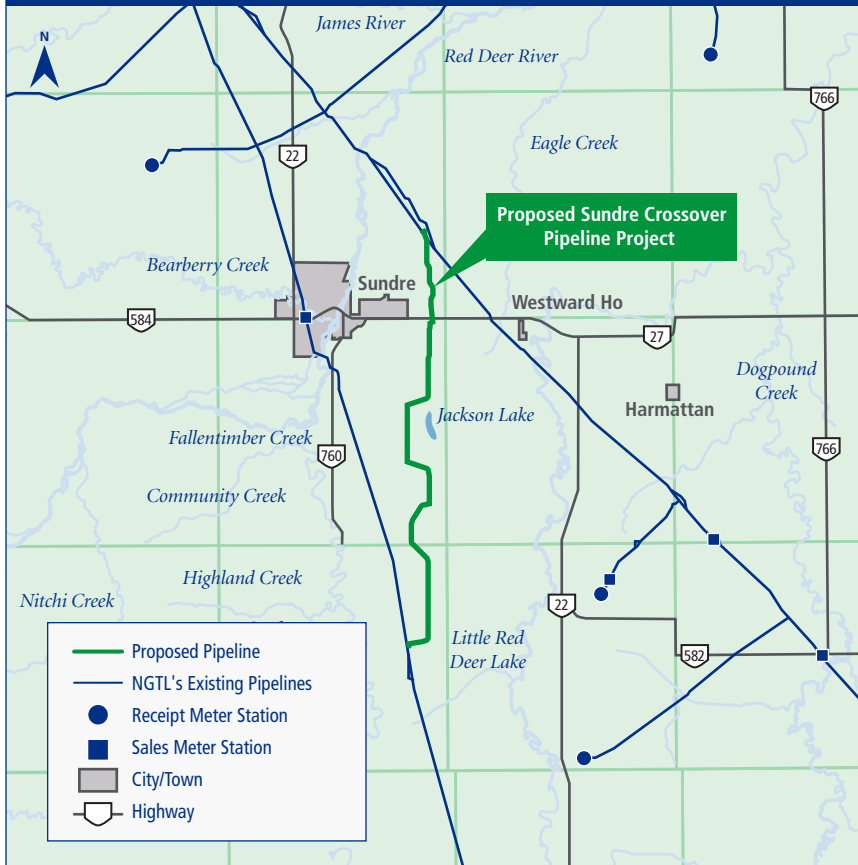
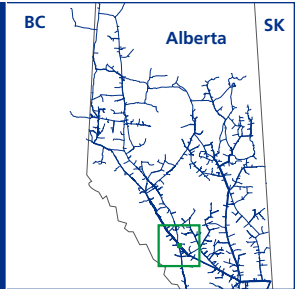


Proposed Project: Sundre Crossover October 2016



Project Details

NOVA Gas Transmission Ltd. (NGTL), a wholly owned subsidiary of TransCanada PipeLines Limited (TransCanada) is proposing to construct, own, and operate the Sundre Crossover Pipeline (Project). The Project is required to meet incremental firm delivery contracts to transport sweet natural gas to the Western Alberta System Mainline. The Project will be located in Mountain View County, approximately 1 kilometre (km) east of the town of Sundre, Alta.

The pipeline will consist of approximately 21 km of 42-inch (NPS 42) diameter pipe and will be constructed along existing disturbances, where possible, helping to minimize the impact on the land and effects on the environment. The pipeline will transport natural gas from the existing NPS 30 Edson Mainline Section 1 and the NPS 42 Edson Mainline Loop Sundre Section located at legal land location SE 23-33-5-W5M to the NPS 42 Western Alberta System Mainline Loop Cermona Section and the NPS 36 Western Alberta System Mainline Airdrie Section located at legal land location SE 24-31-5-W5M.

NGTL anticipates filing an application with its regulator, the National Energy Board (NEB), under section 58 of the *National Energy Board Act*, in the first quarter of 2017 for approval to construct and operate the Project. Subject to regulatory approval, NGTL anticipates construction may begin as early as the third quarter of 2017. The anticipated in-service date for the new pipeline is the fourth quarter of 2018.

Project Schedule

Q2 2016	Begin landowner, Aboriginal, and stakeholder engagement
Q2 2016	Begin environmental and technical analysis of project
Q2 2016	Begin survey and field studies
Q1 2017	Anticipate filing a section 58 application with the NEB
Q3 2017	Subject to regulatory approval, commence pipeline construction
Q4 2018	Anticipate construction to be complete and new pipeline in-service

Proposed Project: Sundre Crossover



Stakeholder Engagement

Engaging with stakeholders means listening, providing accurate information and responding to stakeholder interests in a prompt and consistent manner. TransCanada is proud of the relationships we have built with our neighbours for the last 65 years.

TransCanada's four core values of integrity, collaboration, responsibility and innovation are at the heart of our commitment to stakeholder engagement. These values guide us in our interactions with our stakeholders. We invite your input on the proposed project and encourage you to contact TransCanada with any questions or comments.

Aboriginal Engagement

Building and maintaining relationships with Aboriginal communities near our proposed projects and existing facilities has long been an integral part of TransCanada's business. TransCanada works with communities to identify potential effects of company activities on each community to find mutually satisfactory solutions and benefits.

Aboriginal Traditional Land Use studies are an important element in our project development process. TransCanada strives to collaborate with local Aboriginal communities in Traditional Land Use and Traditional Ecological Knowledge studies where projects could affect traditional lands.

Building Stronger Communities

TransCanada awards contracts to qualified pipeline construction contractors through a competitive bid process, and works with them to provide employment opportunities for local residents and local subcontractors.

Environmental Considerations and Management of Potential Project Impacts

TransCanada is committed to protecting the environment. As part of our corporate commitment, and relevant regulatory processes, TransCanada collects and analyzes environmental information to better understand and manage the potential impacts of its projects. This information is then considered during project planning and as part of an Environmental and Socioeconomic Assessment (ESA).

Examples of potential project impacts often identified and considered in an ESA are impacts to soil (erosion, sub-surface mixing), water (alteration of surface flow, equipment fuel spills), vegetation (removal/alteration, weed introduction), fish and wildlife (changes to habitat and movement), archaeological resources (disturbance), air quality and noise (increased traffic and equipment on-site), infrastructure and services, and communities and their economies.

These are potential impacts only, and are often temporary in nature. Although efforts are made to avoid impacts, if predicted to occur, they will be mitigated where feasible through the implementation of effective environmental protection measures. An Environmental Protection Plan (EPP) is developed to identify the necessary measures to be implemented during and following construction and to manage environmental impacts.



Route Selection

When considering the route for the Project, we will examine a number of factors in order to build the project safely and responsibly. Some of those factors include safety, constructability, environmental sensitivities, land use compatibility and economics. We also solicit and value landowner and Aboriginal community input and incorporate where appropriate.

In an effort to minimize disturbance, the project considered a number of routes which mainly paralleled existing corridors. However, existing commercial and residential development and infrastructure limited those efforts. The route was moved away from heavily developed areas and shortened to become the proposed route you see now.

We will continue to work with landowners and stakeholders on route options.

What to Expect During Construction and Beyond

During construction, there will be a temporary increase in traffic flow in and around the project area. There will be heavy equipment on-site for use in earth moving, excavation material handling/hauling, welding and testing. After construction is complete there will be minimal traffic associated with ongoing operations and maintenance. Strict adherence to construction plans and commitments in the EPP will ensure that the effects of construction activities on local communities and the environment are minimized. Construction activities typically generate a temporary increase in noise. TransCanada will adhere to all applicable codes, standards and regulations on noise throughout construction and the operations of the project.

Once construction has been completed, the land surface will be reclaimed to an equivalent land capability.

Pipeline Safety

For more than 65 years, TransCanada has been a leader in the safe and reliable operation of North American energy infrastructure. From design to construction, to operations and maintenance, safety is integral to everything we do.

We use top quality steel and industry-leading welding techniques throughout our pipeline system to ensure we meet and exceed industry standards. We take additional safety precautions when the pipeline crosses roads, railways, waterways and communities.

During construction, welds are checked by x-ray and/or ultrasonic inspection methods and then we pressure-test the pipe, which is coated to protect against corrosion. We also use “smart pigs” – sophisticated inline inspection devices – to record information about the internal conditions of the pipeline.

TransCanada monitors its pipeline systems 24 hours a day, 365 days a year. Satellite technology sends data to our monitoring centre every five seconds. If a drop in pressure is detected, we immediately identify the problem area and isolate that section of the pipe remotely, closing the valves that control the flow of gas. Trained crews are dispatched by land or helicopter, depending on the location. If there is an incident, we work closely with authorities, emergency responders and the media to ensure residents in the area are aware of the situation and are safe.

Operations

Once the facilities have been constructed, there will be minimal impacts to people and the environment. The proposed facilities will comply with federal and provincial regulations for operation of a pipeline. Authorization from TransCanada is required to disturb the ground within 30 metres of our pipelines.

Proposed Project: Sundre Crossover



Dispute Resolution

TransCanada's approach to consultation and engagement with stakeholders, landowners and Aboriginal communities, 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 TransCanada's 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 project.

TransCanada's preferred method for addressing the concerns of stakeholders, landowners and Aboriginal communities 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 National Energy Board's collaborative Alternative Dispute Resolution (ADR) Process.

Emergency Preparedness and Response

The proposed project will be designed, built and operated 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, both during construction and ongoing operations. Our staff work with landowners, and area emergency responders to protect the health, safety and welfare of people, and to limit damage to property, company operations and the environment.

In the event of an emergency, please contact TransCanada's 24 hour emergency line at 1.888.982.7222

TransCanada's policies and practices will be applied to this project.

TransCanada periodically provides project information beginning at the early stages of project development, continuing throughout the life of the project. The information provided is intended to give people the opportunity for meaningful input. Please be aware that as projects progress, new information becomes available and details may change from the time of this printing. Please contact TransCanada (using the contact information listed above/below) with any questions.

Contact Us

We invite you to contact TransCanada with any questions or comments you have about the proposed project:

Kristen Monzingo, Community Relations Advisor
Phone: 1.855.895.8754
Email: community_relations@transcanada.com
www.transcanada.com

or write to Kristen Monzingo at:

TransCanada
450 – 1st Street SW
Calgary, Alberta T2P 5H1

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

National Energy Board
517 Tenth Avenue SW
Calgary, Alberta T2R 0A8
Phone: 1.800.899.1265
Email: info@neb-one.gc.ca
www.neb-one.gc.ca

