NOVA Gas Transmission Ltd. (NGTL)* is proposing to construct and operate a multiple project expansion to its pipeline system in northern Alberta. There is an increased need for gas transportation service that is influenced by the pace and location of producer activity, commercial support and TransCanada’s pipeline system capabilities. Based on these requirements, NGTL anticipates applying to the National Energy Board (NEB) for the proposed projects as one application under Section 52 of the National Energy Board Act in the first quarter of 2015.

*NGTL is a wholly owned subsidiary of TransCanada PipeLines Limited (TransCanada).

2017 NGTL System Expansion Project – February 2015
The pipeline would be located approximately 32 kilometers (km) northwest of Spirit River, AB, in Saddle Hills County. It would consist of approximately 27 km of 36-inch diameter (914 mm) pipe installed as a loop of the existing Northwest Mainline. The pipeline would start at legal location SE-05-79-9-W6 and terminate at the existing mainline valve site at SW-35-80-11-W6.

The pipeline would be located approximately 100 km southwest of Fort McMurray, AB, and approximately 75 km northeast of Wabasca, AB. It would consist of approximately 56 km of 30-inch (762 mm) diameter pipe installed as a loop of existing pipelines. This pipeline will connect to the Liege Lateral Loop 2 - Thornbury Section, for which an application has already been submitted to the National Energy Board. The pipeline would connect to existing facilities at the existing Buffalo Creek Compressor Station at legal location SW-19-86-18-W4 and end at the existing Pelican Lake Compressor Station at NE-30-81-16-W4.
The pipeline would be located approximately 100 km southeast of Fort McMurray, AB. It would consist of approximately 20 km of 24-inch diameter (610 mm) pipe and tie into the existing Kettle River Lateral. The pipeline would start at legal location NW-26-080-06-W4 at the Leismer-Kettle River crossover and end at NW-14-079-05-W4 at the Graham and Graham Loop 2 junction.

The proposed compressor unit addition, approximately 30 megawatts, would be added to the recently approved Otter Lake Compressor Station that will be in service in November 2015, located approximately 60 km east of Manning, AB, at 8-91-16 W5M. The maximum allowable operating pressure for the new unit would be 9930 kPa, to match the existing 9930 kPa system.
**Northwest Mainline Loop Boundary Lake Section**

The pipeline would be located approximately six kilometers east of the Alberta/B.C. border in Clear Hills County, AB. It would consist of approximately 91 km of 36-inch diameter (914 mm) pipe installed as a loop of the existing Northwest Mainline (Boundary Lake Section). The pipeline would start at the Alces River Compressor Station at legal location NW-13-085-13-W6 and would end at the Owl Lake South Meter Station at legal location NE-20-094-12-W6.

**Alces River Compressor Station Unit Addition**

The proposed 15 megawatt compressor unit would be added to the existing Alces River Compressor Station, located approximately 156 km northwest of Grande Prairie, AB, at NW-12-13-085-13-W6. The maximum operating pressure for the new unit would be 8450 kPa, to match the existing 8450 kPa system.
The McLeod River Section was added to the 2017 NGTL System Expansion Project in late October 2014. The pipeline will consist of approximately 36 kilometres (km) of 48-inch diameter (1219 mm) pipe. The starting point of the pipeline will be at legal location NW-21-55-20-W5 and terminate at the existing valve site approximately five km west of Edson, AB, at legal location SE-11-53-18-W5.
2017 NGTL System Expansion Project

Project Schedule

- Environmental planning and design work .................................. Q3 2014
- Commence Aboriginal and stakeholder engagement .................. Q3 2014
- Commence environmental & technical analysis ........................ Q3 2014
- Commence survey & field studies ............................................. Q3 2014
- File project description with NEB .......................................... Q4 2014
- Submission of an application to the National Energy Board .......... Q1 2015
- Pending regulatory approvals, begin temporary infrastructure construction . Q3 2016
- Begin pipeline and compressor station unit addition construction . . . . . Q3 2016
- Planned in service date for pipeline and compressor station projects ........ 2017

Community Benefits

The proposed pipeline will offer short term and long term economic benefits and strengthen the economy on a local, provincial and national level.

Employment Opportunities – Construction will require the services of equipment operators, welders, mechanics, truck drivers, labourers and more.

Business Opportunities – Pipeline construction will create demand for local goods and services including food and accommodation, hardware, industrial parts, automotive parts and servicing, fuel and more.

Annual Revenue to Support Local Services – Pipeline construction will result in tax payments to municipal, provincial and federal governments. When the pipeline is operational, annual tax payments will help support schools and hospitals, emergency services, recreation facilities, recycling programs and other local programs vital to sustaining communities.

Investments in Local Communities – Through our engagement with local communities, we will identify areas where we can help build stronger, more vibrant communities through initiatives community partnerships in the areas of safety, community and environment.

Environmental Protection

As part of the regulatory application process, TransCanada collects and analyzes site-specific environmental information to help understand the potential environmental effects of the project and develop an Environmental and Socio-economic Assessment. Specifically, the assessment will consider impacts to soil, vegetation, wildlife, historical resources, current land use, traditional land use and aquatic resources. An Environmental Protection Plan (EPP) will also be developed to identify specific measures to mitigate effects of the project during and following construction. All projects will be constructed along existing rights-of-way, where possible, helping to minimize the impact on land and effects to the environment.

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 60 years. Our 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 public input on our proposed project and encourage interested parties to contact us.
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.

Building Stronger Communities

TransCanada awards contracts to qualified contractors through a competitive bid process and works with them to provide employment opportunities for local residents and local subcontractors. In addition, we are proud of the local partnerships we have formed in northern Alberta where we currently operate, and continue to invest in community initiatives to build stronger communities.

What to Expect During Construction and Beyond

During construction, there will be an increase in traffic flow in and around the project area. TransCanada will make efforts to minimize the traffic by selecting construction site locations close to the project. There will be heavy equipment on-site for earth moving, excavation material handling/hauling, welding and testing. After the facilities have been built, 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 the local community are minimized. Construction activities typically generate a certain amount of noise. TransCanada will meet applicable limits on noise throughout construction and the ongoing operations of the project. Measures will be taken to prevent topsoil/surface material loss from wind and water erosion, topsoil and subsoil mixing, and to establish a vegetative cover that is compatible with surrounding vegetation and land use.

Once construction has been completed, the land surface will be reclaimed. On freehold lands, landowners will have the right to fully use and enjoy the right-of-way without having to notify TransCanada as long as the operation and integrity of the pipeline is not compromised. Pipeline crossings by agricultural vehicles and mobile equipment for normal agricultural purposes are allowed as long as there is no disturbance deeper than 30 centimeters.

Pipeline Safety

For more than 60 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 inspection devices — to record information about the internal conditions of the pipeline. TransCanada monitors its pipeline 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 of the leak. 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.
2017 NGTL System Expansion Project

Contact Us
We invite you to contact TransCanada with any questions or comments you have about the proposed project:
Phone: 1.855.458.6713
Email: ngtl_2017@transcanada.com
NGTLExpansion.com
or write the project team at:
TransCanada
Cole Thomson
Senior Community Relations Advisor
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, AB T2R 0A8
Phone: 1.800.899.1265
Email: info@neb-one.gc.ca
www.neb-one.gc.ca

Emergency Preparedness and Response
The proposed pipeline 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 exactly what to do in the event of an emergency - both during construction and ongoing operations and work with area emergency responders to ensure a coordinated response in the event of an incident.
In case of an emergency, please call TransCanada’s 24-hour toll free number at 1.888.982.7222.

About TransCanada
We are a Canadian company, with over 60 years of experience building and operating pipelines throughout North America. We are an industry leader in safety and reliability. We believe in making a positive difference in the lives of others by investing in our communities. TransCanada demonstrates our commitment to being a good neighbour, a strategic community partner and an employer of choice.
TransCanada plays a vital role in connecting energy supplies to key North American markets with $54 billion in assets in our natural gas pipelines, energy, and oil pipelines portfolios.
We operate one of the largest natural gas transmission networks in North America – 68,500 km – tapping into virtually every major gas supply basin and transporting approximately 20 per cent of the continent’s daily natural gas supply. We are North America’s third largest provider of natural gas storage and related services with more than 400 billion cubic feet of storage capacity.
We own or have interests in 21 power facilities with the capacity to generate 11,800 megawatts (MW) of electricity, enough to power more than 12 million homes. One-third of the power we produce comes from emission-less sources including nuclear, hydro, wind and solar.
Our success is a reflection of our exceptional team of almost 5,500 employees who bring skill, experience, energy and dedication to the work they do every day. Our employees are an important part of the communities where we operate in seven Canadian provinces, 31 U.S. states and six states in Mexico.
You can find out more about TransCanada by visiting www.transcanada.com

This information contains forward-looking information prepared solely for the purposes of providing information about TransCanada’s proposed system expansion and is not intended to be relied upon for the purposes of making investment decisions. Readers are cautioned not to place undue reliance on such forward-looking information as it is subject to corporate, regulatory and various third party approvals and conditions.