



Proposed Saddle Lake Lateral Loop Project (Cold Lake Section)

October 22, 2019



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Safety Moment – Halloween

Costumes

- Refrain from using masks
- Light coloured costumes / reflective tape
- Dress for the weather

Trick-or-Treating

- Adult supervision and/or groups of three or four
- Plan the route
- Bring a cell-phone
- Wait until you're home to eat

Home Owners

- Shovel/sweep your sidewalk
- Provide lighting if possible
- Be mindful of food allergies



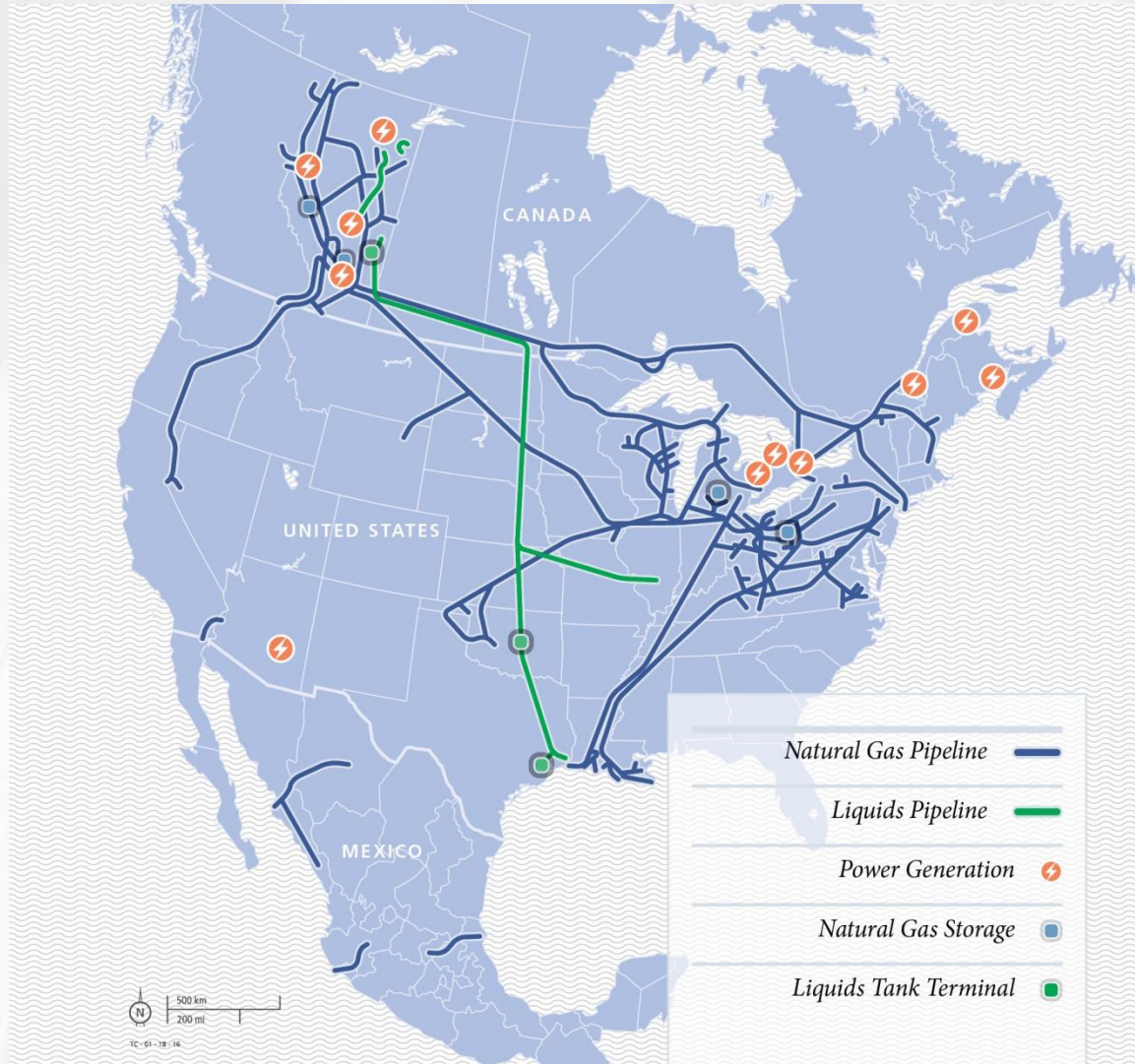
TC Energy – About our name change

In May 2019, we changed our name from TransCanada to TC Energy to better reflect the scope of our operations and to reinforce our position as a leading North American energy infrastructure company.

Our new name TC Energy acknowledges TransCanada's proud history developing the energy infrastructure that millions of North Americans rely on every day, while it more clearly articulates the geography and diversity of our complete business – pipelines, power generation and natural gas storage operations in Canada, the U.S. and Mexico.

Whether you know us as TC Energy in English, TC Énergie in French or TC Energía in Spanish, the communities where we operate can continue to count on us to follow through on our commitments and live up to our core values of safety, responsibility, collaboration and integrity in everything we do.

TC Energy Overview



One of North America's Largest Natural Gas Pipeline Networks

- Operate 91,900 km (57,100 miles) of pipelines
- Transport ~25 per cent of continental demand
- Over 650 Bcf of gas storage capacity

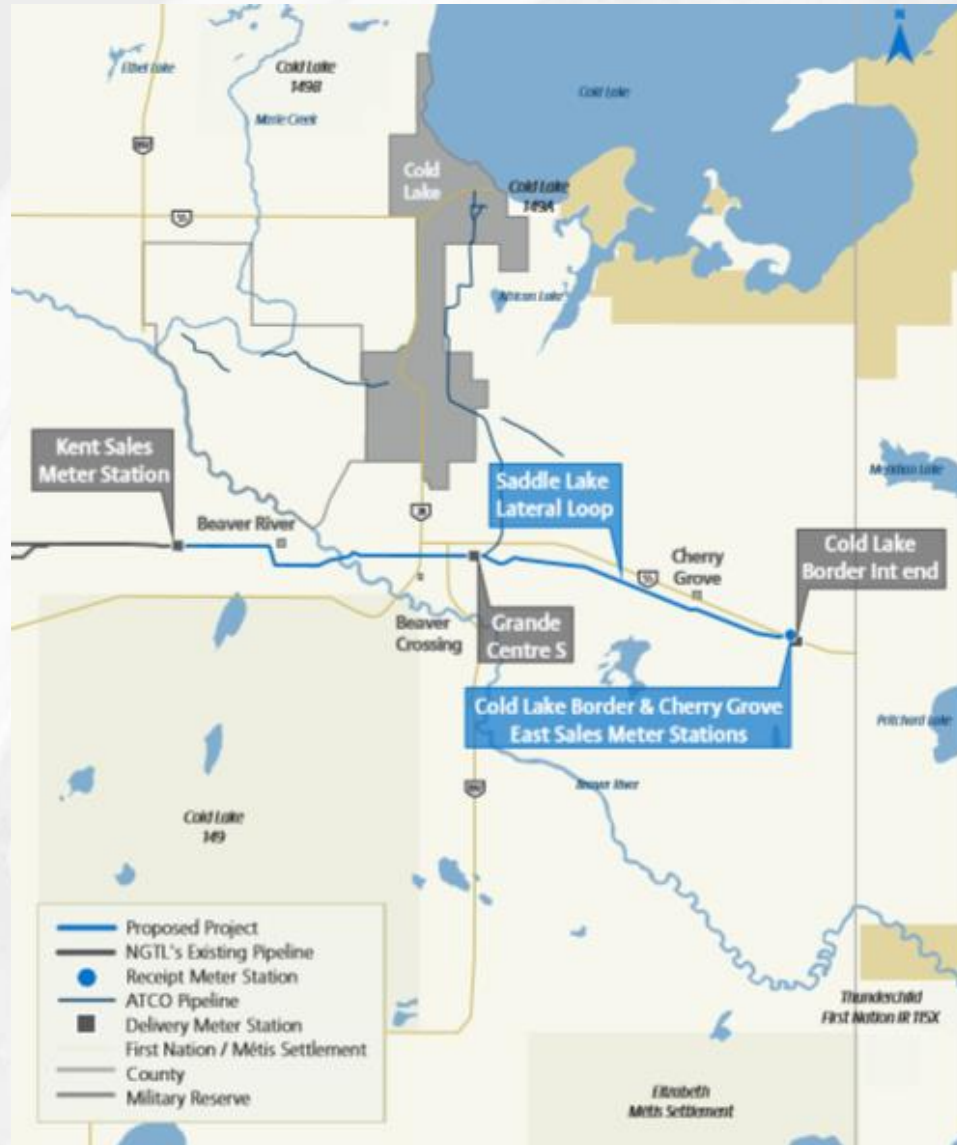
One of Canada's Largest Private Sector Power Generators

- 11 power facilities, approximately 6,600 MW
- Diversified portfolio, including wind, nuclear and natural gas

Premier Liquids Pipeline System

- 4,900 km (3,000 miles)
- Keystone: Long-term contracts to ship 555,000 bbl/d
- Safely delivered more than 1.6 billion barrels of Canadian oil to U.S. markets since 2010

Saddle Lake Lateral Loop



The proposed Project will connect growing natural gas production in Alberta to the growing market demand in northeast Alberta and northwest Saskatchewan

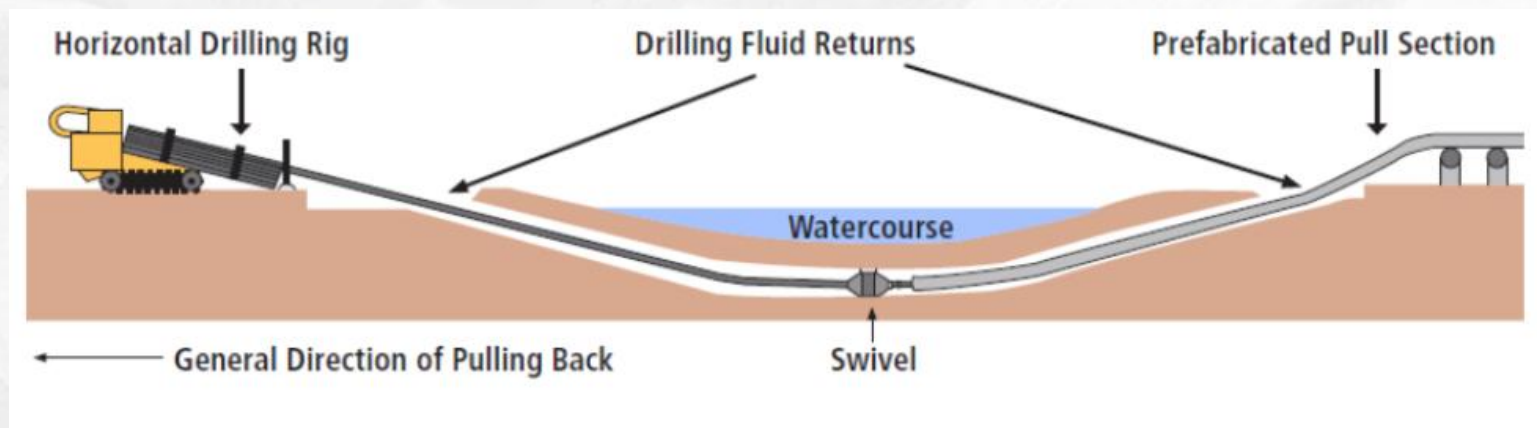
Components:

- New pipeline loop
- Removal and replacement of the Cold Lake Border Meter Station
- Decommissioning of the existing pipeline lateral and the Cherry Grove East Sales Meter Station

Pipeline Crossings

The proposed Project consists of several crossings, including:

- Highway crossings
- Road crossings
- Watercourse crossings:
 - Beaver River crossing
 - Horizontal Directional Drilling (HDD)
 - Beaver River crossing is located approximately 6 km southeast of Medley, AB and 12 km southwest of Cold Lake, AB
 - Total approximate horizontal length of 972 m under the Beaver River
 - Total approximate vertical depth of 70 m under the Beaver River



Project Activities to Date

Q3 2018

Began landowner, Aboriginal, and stakeholder engagement

Began environmental studies, field survey, and technical analysis of the proposed Project

August 2019

Filed a section 58 application with the NEB

November 2019

Open house activities in the City of Cold Lake

Q4 2020

Subject to regulatory approval, commence construction activities

Q2 2021

In-service date for all applicable Project components

Commence decommission activities

Project Workforce

Estimated 400 workers for construction activities:

- Entry level labourers
- Highly skilled trades
- Local companies and workers
- Indigenous companies and workers

Supplier Registration

- <https://www.tcenergy.com/operations/vendors/>

What to Expect During Construction

- TC Energy pipelines are built to meet or exceed industry and government standards for safety and reliable operation.
- Strive to limit noise, dust and smells throughout construction and operation of the Project.
- Make every effort to minimize the impact of traffic during the life of the Project.

Site Access

- No new permanent access roads will be required
- Expansion of Range Road 11
- Temporary Workspace (TWS) for vehicle and equipment Access will be required
- Utilization of existing public and private access roads, and the existing pipeline Right of Way (ROW) will occur

Community Benefits

- Community investment opportunities
- Contracting opportunities
 - Planning and Pre-Construction
 - Construction
 - Operations



Safety and Emergency Response

- Top quality steel and welding techniques, confirmed by x-ray or ultrasound processes
- Before being placed in service, pipeline integrity is tested under pressure beyond the maximum operating pressure
- 24/7 monitoring by trained personnel at TC Energy's state-of-the-art Gas Control Centre
- Emergency Response Program, coordinated with local first responders
- A 65-year history of building and operating pipelines safely

Public Awareness

TC Energy's Public Awareness Program shares safety information with the following groups:

- Emergency responders
- Excavators and contractors
- Affected public
 - Landowners, tenants, business owners, and schools
- Public officials
- Municipal staff and elected officials, Indigenous leaders and provincial representatives

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Questions?

For any inquiries you might have after this presentation, please contact our Public Affairs team:

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