

BEAR CANYON PROJECT

The Bear Canyon North Extension Project (N.W. Mainline Loop 2) is part of the TC Energy North Corridor Expansion Project and expands pipeline capacity for the transportation of natural gas from the Peace River area to growing markets located in northeastern Alberta. Constructed by the Surerus Murphy Joint Venture, this project involves laying 25 km of 36-inch pipes to increase capacity between a valve site located on the North bank of the Peace River and the Alces River Compressor Station. This pipeline is located in northwest AB between Fort Saint John, B.C. to the west and Cleardale, Alberta, to the east.

Construction on this pipeline includes a significant trenchless crossing program that minimizes our operational footprint by boring under environmental features and existing transportation infrastructure.

PROJECT OVERVIEW:

- **Client:** TC Energy
- **Location:** southwest of Worsley, Alberta in Clear Hills County
- **Pipeline length:** 25 km
- **Pipe diameter:** 36"
- **Total workers at peak:** ~350
- **Regulator:** Canada Energy Regulator and Alberta Energy Regulator

CONSTRUCTION FEATURES:

- **Trenchless crossings:** 15 HDBs, 2 auger bores (up to 200 m in length)
- **Open cut crossings:** 1 watercourse, 35 wetlands, 5 roads, 9 pipelines
- **Hydrotest sections:** 2 mainline and 2 facility
- **Welding processes used:** Mechanized welding (RMS GMAW) for mainline with GMAW/FCAW for poorboy and tie-ins. SMAW for small diameter facility welding
- **Coating processes used:** Automated spray coating (CRC SPC 2888) for mainline and brush applied SPC2888 for poorboy and tie-ins

COMMUNITY BENEFITS & IMPROVEMENTS:

- Over \$15,000 in community donations
- Maximize local and Indigenous employment, with a goal of 15%

ON-SITE LEADERSHIP:

Project Director:	Paul Kelly
Project Manager:	Alex Jaber
Superintendent:	Ty Jenkins

PROJECT TIMELINE:

Contract award:	Sept 2022
Mobilization:	Sept 2022
Construction phase:	Sept 2022 to March 2023 for access, grade, clearing, pipeline stall, hydrotest and winterization
Substantial completion:	March 2023
Clean up:	Summer / Fall 2023
Final completion:	Q4, 2023



Surerus Murphy Key Contacts:

- **HR:**
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- **Media & Issues:**
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- **Local & Indigenous Engagement:**
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For more information on TC Energy's North Corridor Expansion Project:

www.tcenergy.com/operations/natural-gas/north-corridor-expansion-project/



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