

KAHTA SECTION

Surerus Murphy Joint Venture constructed a 24 km pipeline and tie-in facilities in northeast B.C. for TC Energy on the North Montney Mainline Loop (NMML). The Kahta Spread was Surerus Murphy's second on the North Montney Mainline Project, the first being the Aitken Creek Spread 1.

The project tied into the NMML Aitken Creek at the southeast end and ended at a newly constructed block valve and launcher facility at the northwest end. The North Montney Mainline provides the critical natural gas transmission infrastructure required to connect natural gas producers and downstream markets throughout Canada and the United States, generating jobs and tax revenues for hospitals, schools, and more in some of B.C.'s more remote communities.

PROJECT OVERVIEW:

- **Client:** Nova Gas Transmission Ltd. (NGTL) / TC Energy
- **Location:** northeast B.C.
- **Pipeline length:** 24 km of 42-inch
- **Total workers at peak:** ~400
- **Regulator:** Federally by the National Energy Board – now known as the Canada Energy Regulator. Provincially regulated by BC Oil & Gas Commission – now known as the BC Energy Regulator

CONSTRUCTION FEATURES:

- **Trenchless crossings:** 1 HDB, 7 tracked auger bores, and 3 guided bores
- **Open cut crossings:** 34 watercourses, 15 wetlands, 8 roads, and 6 pipelines
- **Hydrotest sections:** 1 mainline, 1 facility, 1 pretest for concrete coated section, and 1 pneumatic test
- **Steep slopes:** 4 steep slopes
- **Welds:** 1,123 welds
- **Welding processes used:** Mechanized welding (CRC GMAW) for mainline with GMAW/FCAW for poorboy and tie-ins, GMAW/FCAW and SMAW for facility
- **Coating processes used:** Automated spray coating (CRC SPC 2888) for mainline and brush-applied SPC2888 for poorboy, facility, and tie-ins

COMMUNITY BENEFITS & IMPROVEMENTS:

- **Community donations:** \$15,000, including \$6,000 in employee-led donations
- **Volunteer hours:** 80
- **Local employees:** 32
- **Indigenous employees:** 42
- **Additional community and local engagements:** Hosted six total job fairs & open houses to engage with the public and recruit staff

ON-SITE LEADERSHIP:

Project Director:	Paul Kelly
Project Manager:	Colin McKenna
Superintendent:	Spencer Beckner

PROJECT TIMELINE:

Contract award:	Q3 2019
Substantial completion:	Q2 2020
Final completion:	Q4 2021





SURERUS MURPHY
A JOINT VENTURE COMPANY

TC Energy

2019 / 2020



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