

SATURN PROJECT

Surerus Murphy Joint Venture is constructing a 22.9 km, 42” diameter pipeline and tie-in facilities in northeast B.C. for TC Energy. This project is the second for Surerus Murphy on the Groundbirch Mainline Loop, with the first being the Groundbirch Mainline Loop Sunrise Section. The Saturn project ties into the Groundbirch Mainline Loop Sunrise Section at its southeast end. At the northwest end, it ties into the North Montney Spread 1 pipeline, which Surerus Murphy constructed in 2018/2019.

PROJECT OVERVIEW:

- **Client:** TC Energy
- **Location:** near Dawson Creek, B.C.
- **Pipeline length:** 22.9 km
- **Pipe diameter:** 42”
- **Total workers at peak:** ~ 350
- **Regulator:** Canada Energy Regulator and other provincial/federal agencies

CONSTRUCTION FEATURES:

- **Trenchless crossings:** 5 auger bores, 9 HDBs
- **Open cut crossings:** 15 watercourses, 3 utility, 4 road/trail
- **Steep slopes:** 1
- **Hydrotest sections:** 2 mainline hydrostatic tests and 1 facility test
- **Welds:** 715 mainline, 250 poor-boy welds, 150 tie-in welds
- **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 \$39,000 donated to the community
- Over 90 volunteer hours to support local initiatives
- Maximize local and Indigenous hires for our workforce, including potential subcontract opportunities

ON-SITE LEADERSHIP:

Project Director:	Paul Kelly
Project Manager:	Kyle Scott
Superintendent:	Gunar Hermanson

PROJECT TIMELINE:

Contract award:	Q3 2022
Mobilization:	Q1 2023
Construction phase:	Clearing & access Q1 2023 mainline construction Summer / Fall 2023
Substantial completion:	November 2023
Clean up:	Summer 2024
Final completion:	Q3 2024



Surerus Murphy Key Contacts:

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