

# ARC RESOURCES ELECTRIFICATION



## PROJECT DESCRIPTION

Electrification project to convert multiple sites from gas-fired turbines to a utility connection with BC Hydro. Lex completed a number of feasibility studies and conceptual designs to flesh out different designs and assist with BC Hydro negotiations, including evaluating the number, size, and voltage rating of the transformers, access to BC Hydro circuits, distribution circuit routing, expandability options, site visits, cost/benefit analysis, and payback period. After which, Lex completed the detailed engineering design for the selected options, and manage the project to energization.

## HIGHLIGHTS

- Electrification of multiple gas compression stations to reduce greenhouse emissions
- New Outdoor 138 kV AIS Substations c/w 25 kV Distribution
- New 138 kV transmission line taps and transmission lines
- Progressed project from feasibility study to detailed design to construction to energization

## LOCATION

Dawson Creek, BC