

# BIG HORN MINING



## PROJECT DESCRIPTION

New privately-owned 138 kV 40 MVA outdoor substation to power new coal mine near Hinton, AB. Substation was designed adjacent to existing gas well heads in a limited substation footprint and had to be compliant to AESO, Altalink, and CSA M421 regulations, while still allowing for future expansion to accommodate the growth of the mine. Substation utilizes a polyvinyl oil containment system for the transformers instead of a traditional concrete-based oil containment basin with oil/water separator, concrete trench for control cables for new equipment, and provisions for additional transformer bays.

## HIGHLIGHTS

- New privately-owned 138 kV substation for coal mine
- Compliance to AESO, Altalink, and CSA M421
- Design substation for future expansion in limited footprint
- Utilizes polyvinyl oil containment system

## LOCATION

Hinton, AB