

# Transmission, Distribution & Utilities

GeoVerra specializes in delivering reliable, high-quality surveying services for transmission, distribution, and utility projects. With a service-first approach and extensive industry experience, our team provides comprehensive solutions for power generation, substations, facility planning, geomatics, and environmental requirements—ensuring precision and efficiency at every stage.

Our team is made up of licensed land surveyors, project managers, field crews and CAD technicians focused solely on achieving client objectives through seamless collaboration and providing seasoned expertise you can rely on.

## Land Surveying Services

- Underground and overhead distribution/transmission
- Transmission line terrain surveys
- Structure, centerline establishment and staking
- Tower plumbing
- Conductor, OPGW sag and spacer surveys
- Centerline and offset profiling
- Preliminary engineering design and staking
- Substation and converter station surveys
- Cadastral (legal) surveys

## Environmental Land Management

- Pre-site and pre-disturbance assessment
- Wildlife sweeps and management plans
- Stakeholder consenting
- Water act regulatory process
- Regulatory expertise and scouting
- Environmental monitoring

## Geospatial Services

- Route planning and selection
- 3D laser scanning and modelling
- Digital terrain modelling (DTM)
- Digital orthophotography
- Data migration and restructuring
- Network modelling
- Customized software
- Lidar mapping and profiling

## Salvage and Clearing Management

- Timber cruise, salvage planning and management
- Logging, clearing, hauling, and operational planning
- Regulatory approvals and reporting
- ROW widening planning and permitting
- Powerline right-of-way widening plans
- Private land timber and shelterbelt valuations
- Mapping and GIS services

## Project Profile Feature *ATCO Electric - Distribution & Transmission Widening Programs*



**Location:** North and East-central Alberta

### Services:

- Field Assessments & Layout
- Mapping & GIS
  - Widening areas & trees
  - Access
  - Pipeline crossing
  - Watercourse crossings

### Deliverables:

- Landowner consents
- Third party agreements
- Operational mapping
- Work plan tracking sheets
- Access mapping
- TFAs