

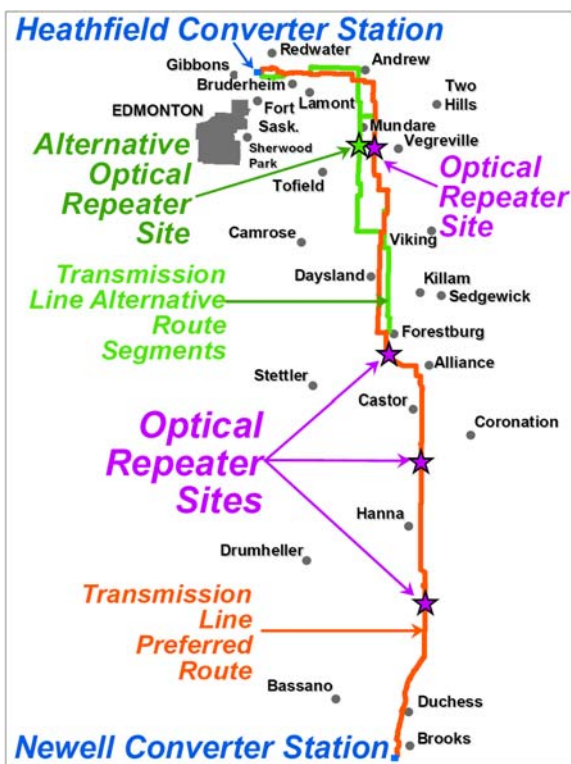


Project Information

ATCO Electric | works for you

March 2, 2011

Eastern Alberta DC Transmission Line: Optical Repeater Sites



Why are you receiving this project information package?

ATCO Electric is planning to build four optical repeater sites at four different locations, approximately 100 kilometres apart, along the route of the proposed Eastern Alberta DC Transmission Line.

These buildings are required to house telecommunications equipment to support the operation of ATCO's internal communications and telecontrol system.

We have prepared this additional brochure for landowners, occupants, agencies and interested parties located near the proposed optical repeater sites.

Project Overview

ATCO Electric is planning to build a 500 kilovolt (kV) direct current (DC) transmission line between the Gibbons-Redwater area northeast of Edmonton and the West Brooks area southeast of Calgary. The fibre optic cable that runs along the top of the transmission line requires four repeater sites to boost the communication signals.

The repeater sites are comprised of a small metal building housing the optical repeater equipment, located within a fenced enclosure.

Your comments and concerns are important to us. Please contact us:

Telephone toll-free: 1-866-650-2463

Fax: 780-420-3666

Email: HVDC@atcoelectric.com

Website: www.atcoelectric.com

HVDC Project

ATCO Electric

10035 – 105 Street

Edmonton, AB T5J 2V6



Regulatory Process

ATCO Electric has been directed by the AESO to prepare an application to the Alberta Utilities Commission (AUC) for a 500 kV DC transmission line between the Edmonton and Calgary areas on the eastern side of the province. The optical repeater sites are part of this project, and ATCO Electric would seek approval for them as part of the transmission line.

For more information on how you can participate in the application process please refer to the enclosed AUC brochure entitled *Public Involvement in Needs or Facilities Applications*.

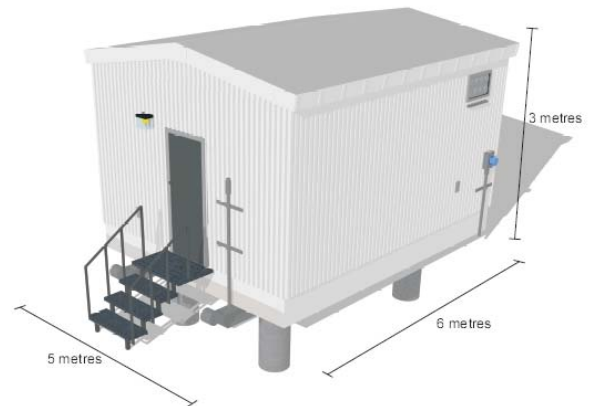
Optical Repeater Buildings

These buildings are required to house the telecommunications equipment to support the operation of ATCO's internal communications and telecontrol system.

Each building would be built on the proposed power line right-of-way, located within about three to four metres of a power line structure so that the repeater equipment can connect to the fibre optic cable that is incorporated into the overhead shield wire at the top of the power line. Each site is located near a distribution line to provide power, and a developed road for all weather access. The buildings are metal-clad, approximately 6 metres long by 5 metres wide by 3 metres high, and situated on a gravel pad surrounded by a fence. Each site area will be about 9 by 12 metres.

Proposed Locations:

- **Mundare:** SW 23-52-16-W4M (Preferred) or SW 25-52-17-W4M (Alternative)
- **Coal Trail:** NE 33-40-15-W4M
- **Clement Lake:** NW 31-34-13-W4M
- **Bullpound Lake:** SE 5-27-13-W4M



Optical Repeater Building

Consultation

We are committed to responsible development, and to conducting an open and transparent consultation process. The first step is to provide you this project information package and invite your feedback.

In addition, if your property is on or immediately adjacent to the optical repeater buildings, one of our representatives will contact you to arrange a personal meeting to discuss your concerns.

Following a review of the feedback received, ATCO Electric expects to file a Facility Application to the AUC to obtain approval for the construction and operation of these facilities in the spring of 2011.

Included in this package

- Project Information Brochure
- Photo Detail Map of optical repeater site in your area
- AUC Brochure – *Public Involvement in Needs and Facilities Applications*
- Reply Form and Envelope