

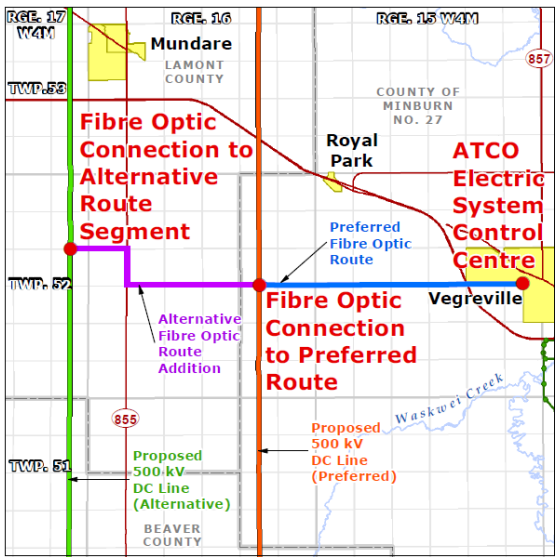


Project Information

ATCO Electric | works for you

March 2, 2011

Eastern Alberta DC Transmission Line – Fibre Optic Cable



Why are you receiving this project information package?

ATCO Electric is planning to install a fibre optic cable from the ATCO Electric system control centre in Vegreville to the Eastern Alberta DC Transmission Line south of Mundare. The cable would be buried in the ditch alongside public roads except where it connects with the fibre optic cable that is incorporated into the overhead shield wire of the proposed transmission line.

We have prepared this additional brochure for landowners, occupants, agencies and interested parties located near the proposed fibre optic cable route.

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 needs to be connected to ATCO Electric's system control centre in Vegreville.

The buried cable would be approximately 11 kilometres in length if connected to the preferred route of the transmission line at S½ 23-52-16-W4M. The buried cable would extend another 10 kilometres west (21 kilometres total) if connected with the alternative route of the transmission line at S½ 25-52-17-W4M.

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

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Regulatory Process

ATCO Electric has been directed by the Alberta Electric System Operator 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 fibre optic cable connection is a part of this project.

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*.

Proposed Fibre Optic Cable

The fibre optic cable is being installed to provide a communications link between ATCO Electric's system control centre in Vegreville and the converter stations at each end of the proposed Eastern Alberta DC Transmission Line. The cable would start at the control centre building at 6602 - 55 Avenue in Vegreville, and extend west to connect with the fibre optic cable that runs along the top of the transmission line. The connection point to the transmission line cable would be south of Mundare at Section 23-52-16-W4M (preferred route) or at Section 25-52-17-W4M (alternative route).

The cable will be buried in the ditches of developed municipal road allowances within the County of Minburn, and partly within Lamont County (if extending to the alternative route).

The fibre optic cable is wrapped in a protective layer and placed inside a plastic conduit 3.2 centimetres (1½ inches) in diameter. The conduit will be installed underground to a depth of approximately 2 metres.



Installation of fibre optic cable

Environmental Considerations

The cable would be buried on developed municipal road allowances to minimize impacts to adjacent agricultural land and environmentally sensitive areas.

Consultation

We are committed to responsible development, and to conducting open and transparent consultation. 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 fibre optic cable, 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
- Fibre Optic Route Map: FOC-01
- AUC Brochure: *Public Involvement in Needs and Facilities Applications*
- Reply Form and Envelope