

September 30, 2020

Provost to Edgerton and Nilrem to Vermilion (PENV) Transmission Development Project update – Nilrem to Vermilion

Thank you for your ongoing participation in the Provost to Edgerton and Nilrem to Vermilion (PENV) Transmission Development. We began consulting with stakeholders on this proposed project in October 2019 and want to provide you with an update on the proposed routes for this project.

With the input we've received from stakeholders, along with information gathered through ongoing field studies and engineering, we have identified preferred, alternate, and variant transmission line routes that we will include in the application that we file for this project. We have also made route adjustments in certain areas, and removed some routes from further consideration.

The routes and their designation points are shown on the Detail Photo Map (DP1) included in this package.

Preferred and alternate routes

AltaLink's preferred route (shown in red)

- parallels our existing transmission lines (679L/680L, 704L and 408L) for approximately 33 km
- has approximately 65 km located in road allowances, minimizing impacts to existing land uses
- has low residential impacts
- has low agricultural impacts
- connects to ATCO Electric's proposed transmission line at B140

AltaLink's alternate route (shown in green)

- parallels Highways 619 and 881 for approximately 27 km, which provides access for construction, operation and maintenance of the transmission line
- has low environmental impacts
- is approximately 7 km longer than the preferred route
- connects to ATCO Electric's proposed transmission line at D85

AltaLink's alternate route variant (shown in purple)

- is common with the alternate route for approximately 65 km, before turning east to provide an alternative way to connect to ATCO Electric's proposed transmission line at D85
- has an additional crossing of Buffalo Creek
- has low residential impacts

Local route variants

Three local variants are being proposed as part of this project. These variants (shown on the map in pink) provide localized route options to reduce certain impacts or provide different options for route combinations and connection points with ATCO Electric.

Route adjustments

As a result of additional engineering and stakeholder feedback, AltaLink has made three route adjustments to the preferred and alternate variant routes, as described below. These adjustments are shown on the map included in this package. If you are near one of these route adjustments, AltaLink will contact you for your input.

Preferred route adjustments

As a result of stakeholder feedback to reduce potential agricultural impacts, AltaLink adjusted route segment B130-B135 approximately 800m south to follow a road allowance.

Near B100, AltaLink adjusted approximately 200 m of the preferred route in order to maintain clearances with the existing ATCO Electric transmission line.

Crossing of Buffalo Creek

Between D76 and D78, AltaLink adjusted the alternate variant route to cross Buffalo Creek at a right angle. This is to reduce potential environmental impacts and costs.

Routes that have been removed from further consideration

AltaLink has removed a number of route segments from further consideration, as they were assessed to be higher impact options than other routes being proposed. These routes are shown on the map included in this package in grey and white. If you are only near a removed route, you will no longer receive information from us about this project. Please contact us if you have any questions or wish to stay informed.

Next steps

After our consultation process is complete, we will file a Facilities Application with the Alberta Utilities Commission (AUC) and it will be reviewed through a process in which stakeholders can participate. To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled *Public involvement in a proposed utility development*.

We plan to file our application in October 2020. We will notify you once it has been filed and again when the AUC has made its decision regarding the project. If the project is approved, construction is expected to begin in September 2021. While we believe all of the remaining routes and route options are viable, only one route will be constructed, if approved by the AUC.

Project background

AltaLink's portion of the proposed Nilrem to Vermilion development is located in the municipal districts of Wainwright and Provost, Flagstaff County and the County of Minburn.

If approved, the project involves:

- Approximately 70-80 kilometres of new single circuit 240 kilovolt (kV) transmission line connecting the Nilrem Substation, located southeast of the Town of Hardisty, to a new ATCO Electric line, located north of the Village of Irma.
- Modifications to the Nilrem Substation to accommodate the new transmission line.

ATCO Electric is also planning a portion of the Nilrem to Vermilion development in its service area. If you have questions regarding their portion of the project, please contact them directly at 1-855-420-5775 (toll-free) or consultation@atcoelectric.com.

Contact us

We are available to address any questions or concerns you may have. Please contact us at 1-877-267-1453 (toll-free) or stakeholderrelations@altalink.ca. Further information about this project and maps are available at altalink.ca/projects.

Sincerely,

Dave Lee
Manager, Stakeholder Engagement