



October 2020

Electric system improvements near you

150L Transmission Line Rebuild

AltaLink's transmission system efficiently delivers electricity to 85 per cent of Albertans. Dedicated to meeting the growing need for electricity, AltaLink connects Albertans to renewable, reliable and low-cost power. With a commitment to community and environment, AltaLink is ensuring the transmission system will support Albertans' quality of life for years to come. Learn more at www.altalink.ca.

You are receiving this newsletter because you are near the 150L Transmission Line Rebuild and we want your input.

Thank you for your participation in this project. Your input is important to us. We began consulting with stakeholders on this proposed project in May 2020. Throughout our consultation process, we've received valuable feedback that has helped us in our project planning.

With the input we've received from stakeholders, as well as further siting and engineering work, we have added some **transmission** line route options for consideration.

Please refer to the maps included with this newsletter to help you identify routes near your property.

We are providing you with:

- project details
- maps of the proposed project
- information about how you can provide your input
- the project schedule

DEFINITION:

Transmission

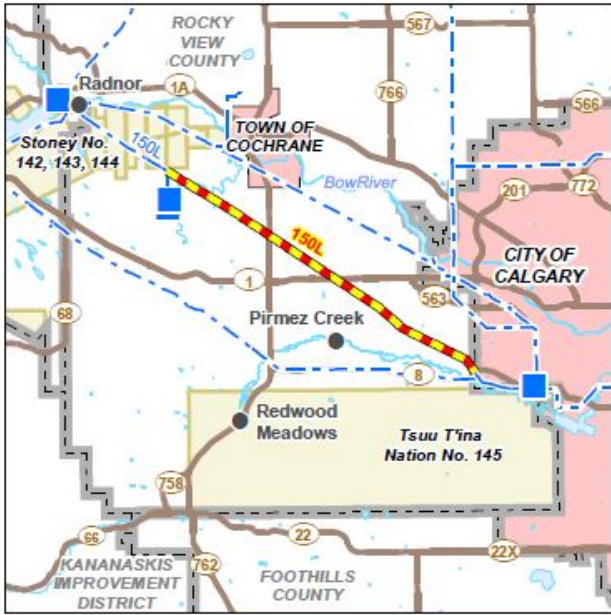
Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community, where power is used. Transmission lines transport large amounts of power over long distances from power plants across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

CONTACT US

1-877-267-1453

stakeholderrelations@altalink.ca

www.altalink.ca/projects



Project details

AltaLink is proposing to rebuild approximately 30 kilometres (km) of the 150L transmission line that runs from the west end of the City of Calgary to the Stoney Nakoda Reserve in Rocky View County. We do not anticipate any disruption of power to residents while the transmission line is being rebuilt.

The existing transmission line will be salvaged before the new transmission line is constructed. The rebuilt portion will remain a 138 kV (kilovolt) single circuit line. The conductor and overhead shield wire will also be replaced as part of this project.

Proposed structures

The existing structures are primarily wooden H-frames. AltaLink is proposing to replace these structures with primarily single-pole steel or wood structures. The current distance between structures is 220 – 300 metres (m). The new structures will:

- have a distance of approximately 120 – 175 m between structures
- be approximately 18 – 23 m tall

A portion of the 150L transmission line (shown between points A70 and A75 on the Detail Photo Map (DP1) included in this package), has already been rebuilt with single-pole wood structures in the last 15 years. These structures will not be replaced as part of this project. However, the overhead shield wire on these structures will be replaced with **Optical Ground Wire (OPGW)**.

Update – Proposed transmission line routes

AltaLink takes several factors into consideration in an effort to find routes with low overall environmental, social and economic effects. In addition to stakeholder input we also consider residential, agricultural, environmental and visual impacts, as well as cost.

When we first notified stakeholders of the project in May 2020, AltaLink proposed to rebuild the transmission line along the existing alignment. Through stakeholder consultation, along with information we have gathered through field studies and engineering, we have identified some route modifications that we would like get your input on.

The dashed red and yellow line on the maps included in this package illustrate the existing alignment route, the red lines on the map illustrate new potential route modifications that are being considered. Please refer to the Strip Mosaic (SM) maps included in this package to see the routes closest to you. If the project is approved, only one route will be built.



The proposed new structures will look similar to the photo above to the left. An existing H-frame structure is pictured on the right.

DEFINITION:

Optical Ground Wire

Optical Ground Wire (OPGW) provides lightning protection and is part of a telecommunication network that allows AltaLink to monitor, control, protect, and restore the electric system.

Proposed route modifications under consideration

- **A28 to A70 (Highway 1):** This route option parallels an existing major roadway and moves structures into existing road allowance, reducing the amount of right-of-way required and minimizing impacts to land use and recreational opportunities.
- **A58 to A60 (Springbank Road):** Rocky View County requested that we consider relocating the line into Springbank Road and Range Road 33 to allow for potential future expansion of the Springbank Park for All Seasons to the north.
- **A33/A32 to A35 and A67 to A69:** These two potential transmission line relocations have been requested by land developers to accommodate development opportunities on the land. Both of these route options would be fully relocated on land owned by the developers.
- **A85 to A101:** This route option parallels existing linear infrastructure, minimizing environmental and visual impacts. It also moves structures from private property into the Transportation Utility Corridor (TUC) and existing road allowance which will provide better access for the construction, operation and maintenance of the line.
- **A99 to A96:** This route minimizes residential, visual and recreational impacts.
- **A95 to A93:** This route minimizes recreational and visual impacts.

Right-of-way

To ensure safe electrical clearances and setbacks for developments from the proposed transmission line rebuild, AltaLink will require approximately an additional 2 m of right-of-way on both sides of the existing 15 m right-of-way, for a total right-of-way width of 19 m. Where the transmission line is located in 1 m road allowance, an 8.5 m easement will be taken on the private property side from the road allowance. Where a new corner structure is proposed on private property, a 5m x 25m easement may be required behind the structure for guy anchors. Where the corner structures are located in road allowance, the guy anchors will also be located in road allowance. As the project progresses, AltaLink may identify further right-of-way needs. AltaLink will contact landowners directly to discuss right-of-way requirements. AltaLink offers fair market value for any land that it acquires for its rights-of-way, and this will be discussed on an individual basis with the landowner.

Access trails and construction workspace

To facilitate rebuilding the transmission line, up to 10.5 m of additional workspace may be required adjacent to the right-of-way to allow for construction activities. Up to 100 m behind corner structures may be required for stringing activities and is identified as construction workspace. Also, some access trails (which may be up to eight metres wide in certain locations to allow for vehicle passing and turning) may be required during construction. Where possible AltaLink has identified the use of existing approaches to minimize environmental impacts. Construction workspace and access trails are illustrated on the Strip Mosaic Maps included in this package. As the project progresses, AltaLink will be in contact with you if an access trail or construction workspace is required.

How to provide your input

At this time we are limiting in-person meetings and will be conducting the majority of meetings via telephone or electronic methods. If you'd like to provide input, you can also do so through our online feedback portal, found here: www.altalink.ca/projectfeedback. You can also contact us by telephone, email, mail, or through our website. Our contact information is available on the back page of this newsletter. As the situation regarding COVID-19 changes we will re-assess this approach. We will update you as the situation evolves. Our focus is ensuring the lights stay on, and that you have the electricity you need.

AltaLink is committed to sharing information about its projects and working with the public to gather and respond to stakeholder input and concerns. A summary of stakeholder comments will be incorporated into the application we submit to the Alberta Utilities Commission (AUC). We will notify stakeholders when we file the application and again once the AUC has reached a decision about the project. To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled *Participating in the AUC's independent review process*.

Anticipated project schedule

Notify and consult with stakeholders	October and November 2020
File application with Alberta Utilities Commission (AUC)	January 2021
Start construction if project is approved	December 2021
Construction completed	April 2022

Although we attempt to follow the anticipated project schedule, it is subject to change. We will continue to provide you with updated schedule information if required, as the project progresses.

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people may have concerns about exposure to EMF and we take those concerns seriously.

Everyone in our society is exposed to power frequency EMF from many sources, including:

- power lines and other electrical facilities
- electrical appliances in your home
- building wiring

National and international organizations such as Health Canada and the World Health Organization (WHO) have been conducting and reviewing research on exposure to EMF for more than 40 years. Based on this research, these agencies have not recommended that the general public needs to take steps to limit their everyday exposure to EMF from high voltage transmission lines, including individuals that are located on the edge of a power line right-of-way.

If you have any questions about EMF please contact us.

Website: www.altalink.ca/emf

Email: emfdialogue@altalink.ca

Toll-free phone number: 1-866-451-7817

Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-267-1453 (toll free)

E-mail: stakeholderrelations@altalink.ca

For more information visit us at www.altalink.ca/projects.

To learn more about the application and review process, please contact:

ALBERTA UTILITIES COMMISSION (AUC)

780-427-4903 (toll-free by dialing 310-0000 before the number.)

E-mail: consumer-relations@auc.ab.ca

The Alberta Utilities Commission (AUC) ensures the fair and responsible delivery of Alberta's utility services. AltaLink submits applications for new transmission projects to the AUC and the AUC reviews them in a public process.

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and Alberta's Personal Information Protection Act. As part of the regulatory process for new transmission projects, AltaLink may provide your personal information to Alberta Utilities Commission (AUC). For more information about how AltaLink protects your personal information, visit our website at www.altalink.ca/privacy or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

INCLUDED IN THIS INFORMATION PACKAGE:

- Project maps
- COVID-19 Information
- *AUC brochure: Participating in the AUC's independent review process*

SUBSCRIBE TO THIS PROJECT

- 1) Visit: altalink.ca/projects
- 2) Search for the project title
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