



May 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](http://www.altalink.ca).

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

AltaLink's existing 150L **transmission** line was constructed in 1956. We are proposing to rebuild a portion of this line to ensure that a safe and reliable supply of power is available in the area for years to come.

We are providing you with:

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

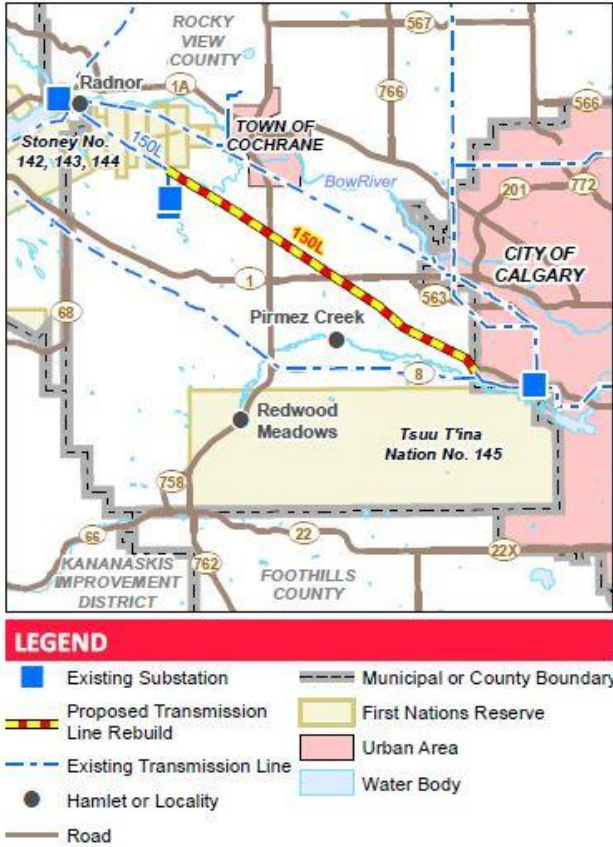
### DEFINITION:

#### 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](mailto:stakeholderrelations@altalink.ca)  
[www.altalink.ca/projects](http://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. AltaLink does not anticipate any disruption of power to residents while the transmission line is being rebuilt.

This rebuild is proposed to be constructed along the same alignment as the existing 150L transmission line. 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 150L transmission line structures are primarily single circuit wooden H-frames. AltaLink is proposing to replace these structures with single-pole steel structures. In areas where a dead-end is required, we are proposing to use H-frame steel structures with guy wires, similar to the existing 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

The potential H-frame structure locations are shown on the strip maps included in this package. The locations of the H-frame structures are approximate and are subject to change based on further detailed engineering.

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 OPGW (optical ground wire).

## Right-of-way

To ensure safe electrical clearances and setbacks for developments from the proposed transmission line rebuild, AltaLink will require approximately an additional two metres 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. As the project progresses, AltaLink may identify further right-of-way needs. AltaLink will contact landowners directly to discuss right-of-way requirements. In areas where there may not be adequate space to take additional right-of-way or specific location concerns, AltaLink will work with landowners to come up with a solution to address the spacing and land constraints.

The proposed right-of-way, along with the proposed rebuild, can be seen on the strip maps and detail base maps included in this package. Where possible, we've shown existing residences and wetland areas. If you are aware of features that we haven't identified, please let us know.

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.



*The proposed new structures will look similar to the photos above but will be steel instead of wood.*

### DEFINITION:

### Right-of-way

A right-of-way (ROW) is a strip of land required for the construction, maintenance and safe operation of a transmission line. A ROW refers to the physical space in which a transmission line is located and includes areas on either side of the transmission line structures and wires that carry the electricity.

## 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. Also, some access trails (which may be up to eight metres wide in certain locations to allow for vehicle passing) will be required. This will assist with working safely and minimize ground disturbance. The access trails and construction workspace can be seen on the strip 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.

## OPGW (Optical Ground Wire)

AltaLink has also determined that optical ground wire (OPGW) will need to be installed on the 150L transmission line, as shown between points A1 and A101 on the DP1 map and strip maps included in this package. This equipment provides lightning protection and is part of a telecommunication network that allows AltaLink to monitor, control, protect, and restore the electric system.

## Keeping the lights on during COVID-19

AltaLink is closely monitoring the current COVID-19 pandemic. Our priority is maintaining the health and safety of our employees, contractors, and the general public while ensuring that we can continue to operate our system and keep the lights on for Albertans.

## 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](http://www.altalink.ca/projectfeedback). 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 *Public involvement in a proposed utility development*.

## Contact us directly

You can contact us by telephone, email, mail, or through our website. Our contact information is on the last page of this newsletter.

## Anticipated project schedule

Notify and consult with stakeholders	Spring/Summer 2020
File application with Alberta Utilities Commission (AUC)	Fall 2020
Start construction if project is approved	Fall 2021
Construction completed	Spring 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.*



- Project maps
- AUC brochure: *Public involvement in a proposed utility development*

## 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](http://www.altalink.ca/emf)

Email: [emfdialogue@altalink.ca](mailto: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](mailto:stakeholderrelations@altalink.ca)

For more information visit us at [www.altalink.ca/projects](http://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](mailto: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](http://www.altalink.ca/privacy) or contact us directly via e-mail [privacy@altalink.ca](mailto:privacy@altalink.ca) or phone at 1-877-267-6760.

## SUBSCRIBE TO THIS PROJECT

- 1) Visit: [altalink.ca/projects](http://altalink.ca/projects)
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

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