

Electric system improvements near you

Turning Point Generation Canyon Creek Connection

You are receiving this newsletter because you are near the Turning Point Generation Canyon Creek Connection and we want your input.

Turning Point Generation (TPG) has requested a connection to the transmission system for their proposed pumped hydro energy storage (PHES) project. To facilitate this connection, AltaLink is proposing to construct a **transmission** line, operated and maintained by AltaLink, to connect TPG's proposed new substation to the electric system.

Although AltaLink's project is separate from TPG's project, it is required to facilitate the connection of their project. TPG will consult separately on their proposed project. For more information about TPG's project, see their contact information on the back of this newsletter.

We are providing you with:

- project details
- a map of the proposed project site
- information about how you can provide your input
- the project schedule

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.

DEFINITION:

Transmission

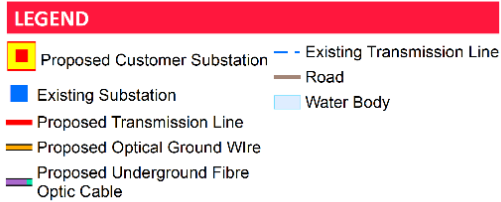
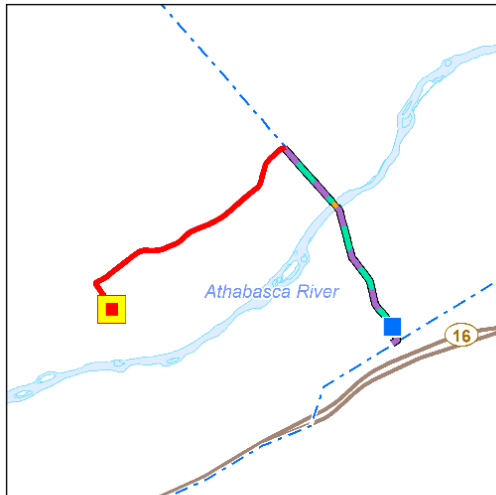
Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used. Transmission lines transport large amounts of power from power plants across the province. The transmission system connects diverse sources of power generation including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

CONTACT US

1-877-267-1453

stakeholderrelations@altalink.ca

www.altalink.ca/projects



Project details

The proposed project is located entirely on Crown land, approximately ten kilometres northeast of the Town of Hinton.

For a detailed overview of the entire project, please refer to the detailed photo map (DP1) included in this package.

AltaLink is proposing to construct approximately five kilometres of new single circuit 138 kilovolt (kV) transmission line to connect TPG's proposed Canyon Creek Substation to AltaLink's existing 745AL transmission line.

The proposed structures for the new transmission line will:

- be one, two or three pole structures
- be either wood or steel
- be approximately 15 to 25 metres tall
- have an approximate distance of 120 to 160 metres between structures
- have a right-of-way of approximately 20 metres wide

Modifications to the existing transmission line

Modifications to the existing 745AL transmission line will be required to accommodate the connection of the new transmission line. This will include adding and replacing structures. Additional right-of-way of approximately 8 metres wide will be required on Crown land for the length of the modification.

The number of structures and specific structure types required for this connection will be determined after detailed engineering is completed

Telecommunications

Telecommunications equipment upgrades are required as part of this project to ensure the safe and reliable operation of TPG's Canyon Creek Substation. AltaLink is proposing to install a combination of optical ground wire (OPGW) and underground fibre optic cable from the proposed line to the existing 745L transmission line, within the 745AL transmission line right-of-way.



The photo on the left is what the proposed single circuit structures may look like. The photo on the right is what the proposed structures on the 745AL might look like.

How transmission line routes are selected

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

AltaLink has identified one route option for the proposed transmission line that would be suitable to connect TPG's Canyon Creek Substation to AltaLink's existing transmission line. In order to minimize land fragmentation and environmental impacts in the area, the proposed route follows existing linear disturbances by paralleling Emerson Creek Road for a majority of the route. AltaLink's proposed route option and TPG's proposed substation are shown on the DP map included in this package.

Easements, off right-of-way access and construction workspace

Additional construction workspace outside of the right-of-way in certain areas may be required in order to access and construct the transmission line. The construction workspace is intended to be primarily used for equipment access during construction, including the potential stringing areas located behind some corner structures. Guy wires may also be required for corner and angle structures. Additional easements ranging from approximately 5 by 20 metres to 10 by 25 metres will be required to accommodate guy wires. At A20 on the attached DP map, we are proposing to install guy wires across Obed Mountain Road. One additional structure will be placed on the north side of the road to facilitate the guy wires. Additional workspace and an easement will be required here. A Vegetation Control Easement (VCE) may be required in areas outside of the right-of-way. The VCE requirements will be determined after further engineering and design.

Final construction workspace and off right-of-way access will be determined following further detailed engineering and construction planning. AltaLink will consult with all affected landowners regarding the potential requirement for construction workspace and off right-of-way access prior to, and during construction of the line.

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.

Website: www.altalink.ca/emf

Email: emfdialogue@altalink.ca

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

Anticipated project schedule

Notify and consult with stakeholders	Summer – Fall 2020
File application with Alberta Utilities Commission (AUC)	Winter 2021
Start construction if project is approved	January 2022
Construction completed	June 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.

Providing 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. 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.

After the consultation process is complete we will file an application with the Alberta Utilities Commission (AUC). The AUC will review the application through a process in which stakeholders can participate. 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*.

Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-267-1453 (toll free)

E-mail: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

To learn more about TPG and their project:

TURNING POINT GENERATION

403-615-7379

Email: info@turningpointgeneration.ca

Website: www.turningpointgeneration.ca

To learn more about Alberta's electric system and the need for the project, please contact:

ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

1-888-866-2959

E-mail: stakeholder.relations@aeso.ca

The AESO is an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial transmission grid. For more information about why this project is needed, please refer to the AESO's Need Overview included with this package, or visit www.aeso.ca. If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need you may contact the AESO directly. You can make your questions or concerns known to an AltaLink representative who will collect your personal information for the purpose of addressing your questions and/or concerns to the AESO. This process may include disclosure of your personal information to the AESO.

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

INCLUDED IN THIS INFORMATION PACKAGE:

- Project map
- AESO Need Overview
- AUC brochure: *Participating in the AUC's independent review process*
- COVID-19 letter

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. AltaLink will collect, use, and disclose personal information in accordance with AltaLink's Privacy Policy and the *Personal Information Protection Act* (Alberta). 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.

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