

Electric system improvements near you

BHE Canada Rattlesnake LP Wind Power Connection



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 BHE Canada Rattlesnake LP Wind Power Connection project and we want your input.

BHE Canada Rattlesnake LP (BHE Rattlesnake) is proposing to build a new substation and **transmission** line as part of their Rattlesnake Wind Power Project. To connect their proposed facility to the grid, modifications to AltaLink's existing 879L transmission line and a new telecommunications tower are required.

Although AltaLink's project is required to facilitate the connection of BHE Rattlesnake's project, it is a separate project. BHE Rattlesnake will consult separately on their proposed transmission line, substation and facility. For more information about the BHE Rattlesnake project, see their contact information on the back of this newsletter.

We are providing you with:

- project details
- a map 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 where power is used. Transmission lines transport large amounts of power over long distances across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

CONTACT US

1-877-269-5903
stakeholderrelations@altalink.ca
www.altalink.ca/projects

Project details

AltaLink’s proposed project is located in the County of Forty Mile, approximately four kilometres south of Whittla.

To connect BHE Rattlesnake’s Project to the grid, AltaLink is proposing modifications to an existing 138 kilovolt (kV) transmission line (called 879L), located in SW-28-10-8-W4.

The modifications include rebuilding approximately 155 meters of the 879L transmission line and installing one new structure on the line. The new structure will:

- be a 138 kV wood or steel monopole structure
- be approximately 14 to 25 metres tall
- be located within the existing transmission line right-of-way

A new telecommunications tower is also required. Telecommunications towers support equipment that transmits data to our system control centre. This allows us to monitor the operation of the electric system and ensure we provide safe and reliable power to our customers. The proposed telecommunication tower will be located within BHE Rattlesnake’s Substation, which is called Rattlesnake Ridge. The telecommunications tower will:

- be approximately 25 metres tall (including the antenna and lighting rod)
- be a self-supported steel lattice structure
- have a triangular base, measuring approximately 3.5 m on each side
- comply with Transport Canada’s requirements regarding painting and lighting

Construction workspace will be required on private land and is shown on the attached Detail Photo Map (DP1). Where private land access is required, AltaLink will contact stakeholders accordingly.

Please refer to the map included in this package which shows the proposed location of the transmission line modification, structure addition and telecommunications tower.

If the Alberta Utilities Commission (AUC) approves this project, you may see or hear construction crews in the area. AltaLink has strict operating standards, including restricting work hours to reduce the impacts to local residents and businesses, following applicable environmental protection measures and complying with applicable environmental legislation. AltaLink’s safety standards and practices are developed to meet or exceed government guidelines and codes to ensure that our facilities meet the requirements for public, employee and neighbouring facility safety.



LEGEND

- BHE Canada LP Rattlesnake Project Area
- Road
- - - Existing Transmission Line
- Water Body
- Hamlet or Locality



Above: The proposed structure will look similar to the structure pictured above, and may be wood or steel.

Below: The new telecommunication tower will be constructed within the Rattlesnake Ridge Substation, and will look similar to the one pictured below.



Electric and Magnetic Fields (EMF)

AltaLink recognizes that people may have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns seriously. Everyone in our society is exposed to 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 about EMF for more than 40 years. Based on this research, these organizations have not recommended the general public take steps to limit their everyday exposure to EMF from high voltage transmission lines. 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

Radio Frequency (RF)

Telecommunication towers use Radio Frequency (RF) signals to transmit and receive information. The point-to-point signals travel along a focused path at low power levels and are well below recommended safety limits. A licensed telecommunication tower will not impact any other licensed telecommunication frequencies such as cellular, over-the-air television, satellite, radio, or GPS.

The radio installation described in this notification will be installed and operated on an ongoing basis so as to comply with Health Canada's Safety Code 6, which defines safe levels of radio frequency (RF) exposure. To ensure the structural adequacy of the tower, the design and installation will follow industry standards and sound engineering practices.

Providing your input

We will contact landowners, residents and occupants near the proposed project to gather input and address questions or concerns. 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 *Public involvement in a proposed utility development*.

Anticipated project schedule

Notify and consult with stakeholders	October to December 2019
File application with Alberta Utilities Commission (AUC)	March 2020
Start construction if project is approved	February 2021
Construction completed	June 2021

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.



Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-269-5903 (toll free)

E-mail: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

To learn more about RES' wind power project, please contact:

BHE Canada Rattlesnake LP

c/o Renewable Energy Systems Canada

Ron Galbraith, Land Agent & Community Relations

E-mail: ron.galbraith@res-group.com

1-403-866-6469

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

For general information relating to telecommunications systems, please contact:

INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT CANADA

Canada Place Building

9700 Jasper Avenue NW, Room 725

Edmonton, Alberta T5J 4C3

1-800-267-9401 (toll free in Canada)

Website: <http://www.ic.gc.ca/towers>

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and the 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 map
- AUC brochure: *Public involvement in a proposed utility development*

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