

JANUARY 2025

Kaybob South 3 Cogeneration Plant Connection

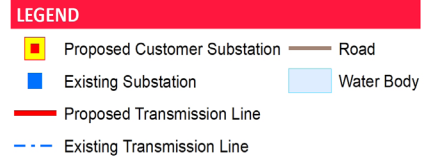
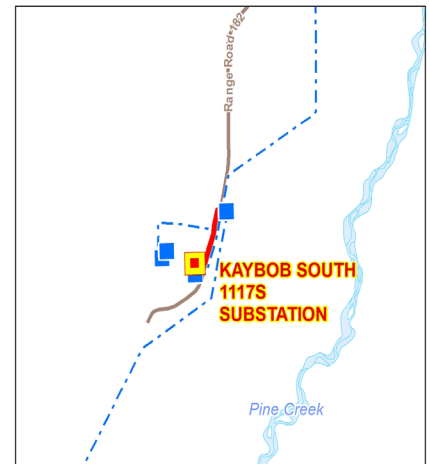
You are receiving this newsletter because you are near the Kaybob South 3 Cogeneration Plant Connection, and we want your input.

To connect Pembina Gas Infrastructure’s (Pembina) Kaybob South 3 Cogeneration Plant to the grid, AltaLink is proposing changes to its **transmission** system. The project is located in Woodlands County and the M.D. of Greenview.

AltaLink is proposing to build a new transmission line and install a new **telecommunications tower** to connect Pembina’s proposed Kaybob South 1117S **Substation** and cogeneration plant to the grid. The new transmission line is proposed approximately 35 kilometres south of Fox Creek and the new telecommunications tower is proposed approximately 15 kilometres southeast of Fox Creek.

Pembina has consulted with stakeholders on its project separately. For more information about Pembina’s project, please see their contact information included in this newsletter.

You may have received information about another project in the area called the Berland River Transmission Connection. For more information about that project, please visit www.altalink.ca/projects.



ANTICIPATED PROJECT SCHEDULE

<p>JANUARY- FEBRUARY 2025 Notify and consult with stakeholders</p>	<p>MARCH-APRIL 2025 File application with Alberta Utilities Commission (AUC)</p>	<p>SEPTEMBER 2025 Start construction if project is approved</p>	<p>NOVEMBER 2025 Construction completed</p>
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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.



Top photo: Some of the monopole structures will look similar to the above.

Middle photo: The H-frame structures will look similar to the above but will have two X braces connecting the poles.

Bottom photo: AltaLink's Fox Creek Substation.

Project details

AltaLink's proposed project includes:

- Constructing approximately 650 metres of new 138 kilovolt (kV) transmission line to connect AltaLink's existing Benbow 397S Substation, located in NE-15-59-18-W5, to Pembina's proposed Kaybob South 1117S Substation, located in SE-15-59-18-W5
- Installing a new telecommunications tower within AltaLink's existing Fox Creek 347S Substation, located in NE-34-61-18-W5

Transmission line

The new approximate 650-metre transmission line, to be called 864CL, will be comprised of six new transmission structures. Four will be steel monopole and two will be steel H-frame structures. The structures will be between 20 and 30 metres high and will require a new **right-of-way** up to approximately 24 metres wide.

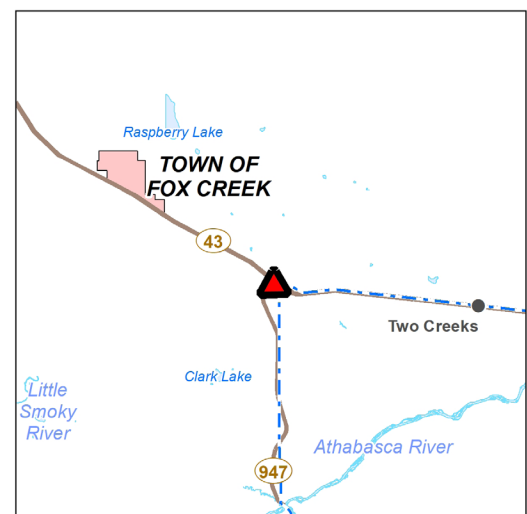
The new transmission line will run south from the Benbow Substation on the west side of the road to the proposed Kaybob South 1117S Substation. AltaLink plans to install **overhead optical ground wire** (OPGW) and **fibre optic cable** along the new transmission line. Please see the map included in this package for details of the route.

To facilitate the safe construction of the transmission line, AltaLink will require temporary construction workspace. AltaLink will consult with all affected stakeholders regarding potential construction workspace.

Telecommunications tower

The proposed telecommunications tower will:

- be a self-supported steel structure
- be approximately 47 metres tall, including the antenna and lightning rod
- comply with Transport Canada's requirements regarding painting and lighting
- not be accessible to the public, as the structure will be inside the fenced area of an operating substation and support AltaLink equipment only



LEGEND

- | | | | |
|--|--|--|------------|
| | Proposed Telecommunication Tower /
Tour de télécommunications | | Road |
| | Existing Transmission Line | | Urban Area |
| | Hamlet or Locality | | Water Body |

Above: The new telecommunications tower may look similar to the above and will be located within AltaLink's existing Fox Creek Substation, approximately 15 kilometres southeast of Fox Creek.

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



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.

Licensed radio links on a telecommunications tower will not impact any other licensed telecommunication frequencies used by cellular phones, over-the-air television, satellite, radio, or GPS.

The telecommunication tower described in this notification will be installed and operated on an ongoing basis to be in compliance with Health Canada's Safety Code 6, which defines safe levels of RF exposure.

To ensure the structural adequacy of the tower, the design and installation will follow industry standards and sound engineering practices.

For general information relating to telecommunications systems, please contact:

Innovation, Science and Economic Development Canada

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

Website: www.ic.gc.ca/towers

DEFINITIONS:

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, solar, natural gas and more.*

Telecommunications tower | *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.*

Substation | *Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power. Substations include transformers that step down and step up the voltage so power can be transmitted through transmission lines or distributed to your community through distribution lines.*

Right-of-way | *The right-of-way (ROW) is a strip of land required for the construction and safe operation of a transmission line. A right-of-way refers to the physical space a transmission line encompasses including areas on either side of the line.*

Overhead optical ground wire (OPGW) | *Overhead optical ground wire (OPGW) provides lightning protection for a transmission line and is part of the telecommunication network that allows AltaLink to monitor, control, protect and restore the electric system.*

Fibre optic cable | *Fibre optic cable allows us to communicate effectively between a customer connection point or substation and our control centre and provides valuable data that will be used to maintain the reliability of Alberta's electric system.*

**INCLUDED
IN THIS
INFORMATION
PACKAGE:**

- Project maps
- AUC brochure: *Participating in the AUC's independent review process to consider facility applications*
- AESO need overview

Providing your input

We will contact landowners, residents, and occupants near the proposed project to gather input and address questions or concerns.

After our consultation and notification process is complete, we will file an application with the Alberta Utilities Commission (AUC). The AUC ensures the fair and responsible delivery of Alberta's utility services and 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 to consider facility applications*.

OUR COMMITMENT TO SUSTAINABILITY

If the Alberta Utilities Commission (AUC) approves this project, you may see or hear construction crews in the area. We have set strict standards by which we operate, including restricting work hours to reduce the impacts to residents and businesses, ensuring safe construction practices and following environmental protection measures and appropriate environmental legislation. AltaLink believes that the environmental effects of this project will be negligible.

This project is not located on federal lands, therefore Canadian Environmental Assessment Act, 2012 does not apply. 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.

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.

Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-267-1453 (toll free)

E-mail: stakeholderrelations@altalink.ca

To subscribe to this project:

visit www.altalink.ca/projects, search for the project title, and click 'subscribe to updates'

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.

To learn more about Pembina's project, please contact:

Pembina Pipeline Corporation

Mike Stapleton

Supervisor, Land Acquisition & Projects

E: mstapleton@pembina.com

P: 1-587-534-6446

C: 1-403-801-0475

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

Alberta Electric System Operator

1-888-866-2959 (toll-free)

Email: stakeholder.relations@aeso.ca

Website: www.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 a transmission facility owner 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.

Let's talk transmission



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www.x.com/altalink

Sustainable
Electricity
Leader



Chef de file en
matière d'électricité
durable

