

Electric system improvements near you

Intertie Restoration Project

You are receiving this newsletter because you are near the Intertie Restoration Project and we want your input.

The Intertie Restoration Project involves electrical system upgrades to restore the intertie transmission line, which connects British Columbia and Alberta, to near its originally designed capacity. This existing transmission line is named the 1201L line.

AltaLink has been directed by the Alberta Electric System Operator (AESO) to prepare a facility application and identify locations for the system upgrades and new equipment.

We are providing the following project information:

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

You are invited to our public events:

We want to hear your thoughts and concerns to help us understand what is important to you as we move forward with the project.

TUESDAY OCTOBER 23, 2018 | **5 - 8 PM**
Heritage Inn & Convention Centre
919 Waterton Ave - Pincher Creek AB

WEDNESDAY OCTOBER 24, 2018 | **5 - 8 PM**
Cowley Town Hall
518 Railway Ave - Cowley, AB

THURSDAY OCTOBER 25, 2018 | **5 - 8 PM**
Lundbreck Community Hall
304 1 Street - Lundbreck, AB

Who is AltaLink?

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.

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, high-efficiency coal, natural gas and more.

CONTACT US

1-877-269-5903

stakeholderrelations@altalink.ca

www.altalink.ca/projects



DEFINITION

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.

DEFINITION

Substation

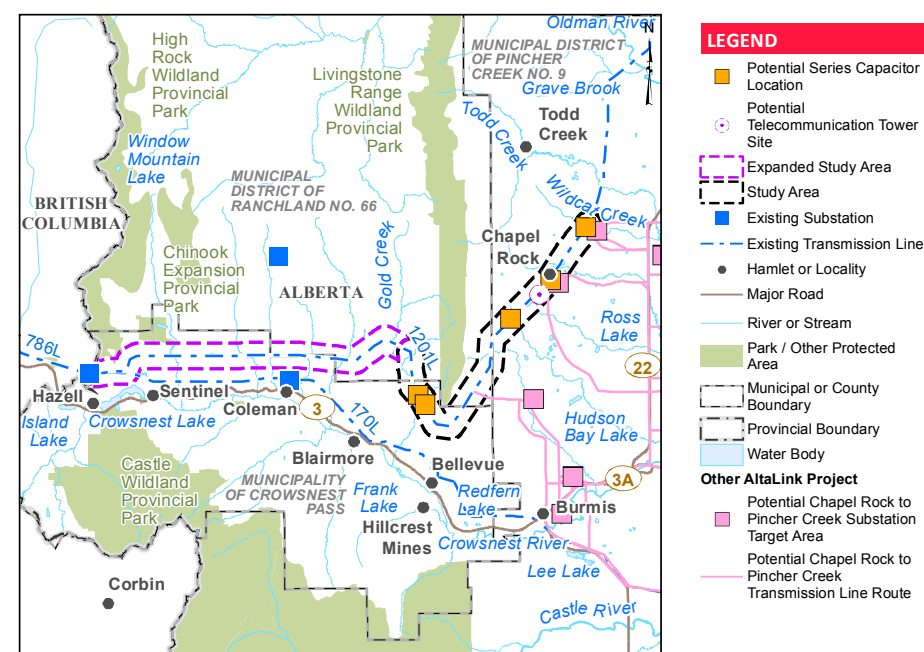
Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power. Substations include transformers that step down and step up the voltage so power can be transmitted through transmission lines or distributed to your community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

Project overview

The proposed Intertie Restoration Project is located in the areas of Rocky View County, the Municipal District of Ranchland, the Municipal District of Pincher Creek and the Municipality of Crowsnest Pass. If approved, the project involves:

- adding new equipment along the existing 1201L transmission line, including a **telecommunications tower** and series capacitor (which looks similar to a substation)
- adding new equipment and expanding the fenceline at the Bennett **Substation**, which is located southwest of Langdon
- modifications to some structures along the 1201L may also be required. Locations of this work will be determined at a later date.

For information about why this project is needed, please visit the following website: www.aeso.ca/grid/projects/intertie-restoration



New equipment along the 1201L transmission line

NEW EQUIPMENT

New equipment, called a series capacitor, will help power flow through the 1201L transmission line. We have identified five potential sites for the series capacitor. If approved, only one site will be built within a fenced area approximately 100 metres wide by 90 metres in length.

Originally we were directed by the AESO to identify locations for the series capacitor site along the portion of 1201L that runs north of Bellevue to the Wildcat Creek area (please see the map on the bottom of page 2). The AESO recently expanded the study area to the west to the Alberta/British Columbia border. As a result, we will be looking into potential locations for the series capacitor site along this portion of the 1201L, titled 'Expanded Study Area' in the map on the bottom of page 2.

The map also references potential substation and transmission line locations for the new Chapel Rock to Pincher Creek Area Transmission Development. More about that project is included on page 7 of this newsletter.

NEW TELECOMMUNICATIONS TOWER

A new telecom tower will also be required at the series capacitor site. The tower:

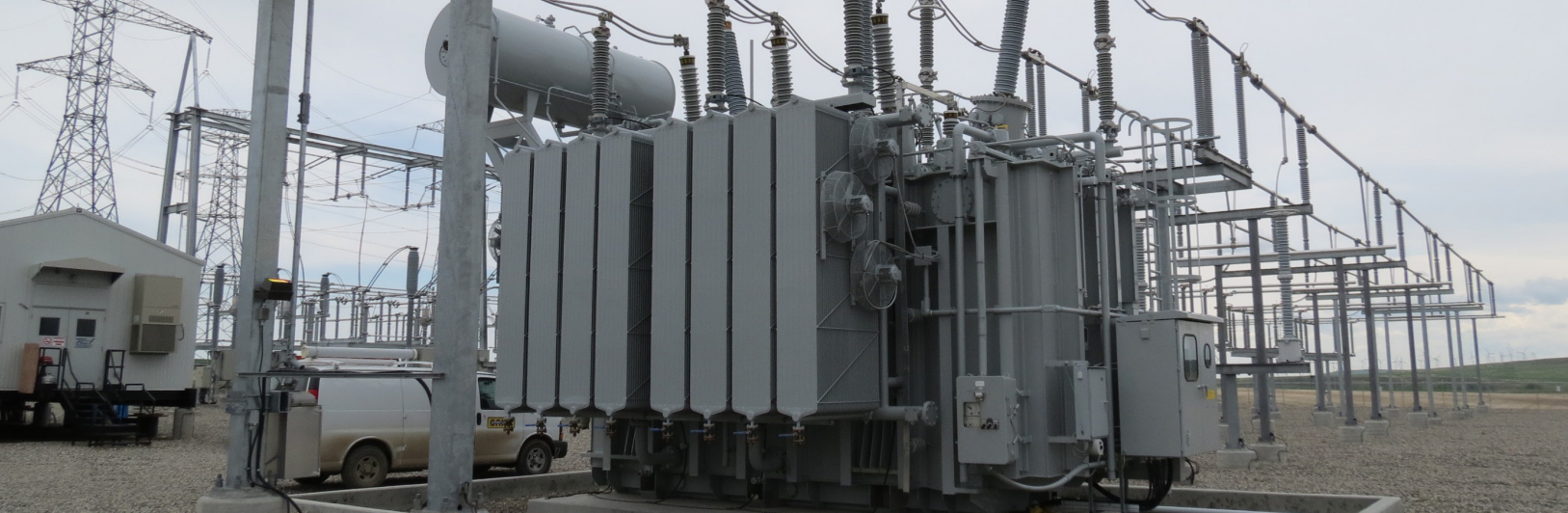
- will be approximately 30 – 80 metres tall depending on the final location
- will be a self-supporting or guyed steel lattice structure
- may be painted and have aircraft lighting to comply with Transport Canada's requirements



Example of a series capacitor



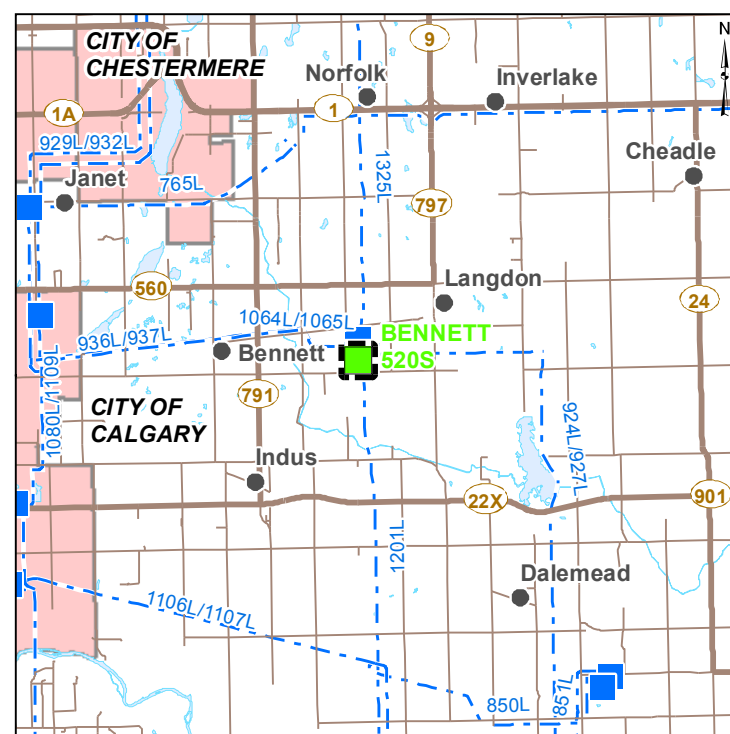
The proposed telecommunications tower may look similar to the above



An aerial view of the Bennett Substation

Upgrades to the existing Bennett Substation

The Bennett Substation is located southwest of Langdon, in SW-16-23-27-W4M. To make room for new equipment, the substation fence will be expanded by approximately 12 metres by 118 metres to the north and 53 metres by 72 metres to the west.



LEGEND

- | | |
|------------------------------|------------|
| Potential Substation Upgrade | Major Road |
| Existing Substation | Minor Road |
| Existing Transmission Line | Urban Area |
| Hamlet or Locality | Water Body |

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns very 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 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.

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 within 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.

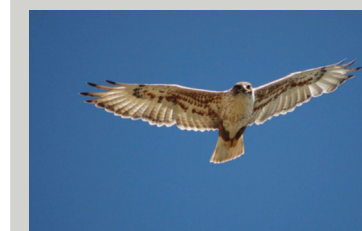
The telecommunication tower described in this notification will be installed and operated on an ongoing basis so as to comply with Health Canada's Safety Code 6, which defines safe levels of RF exposure. To ensure the structural adequacy of the tower, the design and installation will follow industry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

If you have any questions about EMF or RF please contact us:

Website: www.altalink.ca/emf
 Email: emfdialogue@altalink.ca
 Toll-free phone number: 1-866-451-7817

For general information relating to telecommunication systems, please contact:

SPECTRUM, INFORMATION TECHNOLOGIES AND TELECOMMUNICATIONS
 1-800-267-9401 (toll-free in Canada)
 Website: www.ic.gc.ca/towers



Alberta's natural landscapes are home to many diverse animals, including more than 400 different species of birds. As a component of AltaLink's Avian Protection Plan, bird markers are installed in areas where the risk of birds colliding with transmission lines are high.

Bird markers have been proven to be effective in increasing visibility for birds and reducing collisions.



Bird-related outages in substations reduce system reliability and increase operating costs for restoration and replacement of damaged equipment. To reduce outages and protect birds, AltaLink installs GreenJacket coverups – a first-of-its-kind product that reduces electrocutions of birds on substation equipment – on high-priority substations.

For information on AltaLink's Environmental Respect approach, please visit:
www.altalink.ca/environment.



DEFINITION

Alberta Utilities Commission

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.

How to provide your input

We want to hear your thoughts and concerns to help us understand what is important to you as we move forward with the project.

PLEASE JOIN US AT OUR PUBLIC EVENTS

Members of our consultation, environment, electrical effects and siting teams will be available at three open houses to share information, gather your input and respond to any questions or concerns you might have. The open house dates and locations can be found on the front page of this newsletter.

PARTICIPATE IN A ONE-ON-ONE CONSULTATION

Following the open houses we will refine the potential locations for the new system upgrades. We will then contact occupants, residents and landowners who are on or directly adjacent to the facilities to gather input through one-on-one consultations.

During the one-on-one process we will document the information you provide and respond to any questions or concerns you may have about the project.

CONTACT US DIRECTLY

You can contact us by telephone, email, mail or through our website. Our contact information is on the front and back pages of this newsletter.

Next steps

After our consultation process is complete, AltaLink will file a Facilities Application with the **Alberta Utilities Commission (AUC)**. A summary of stakeholder comments will be incorporated into this application. We will let you know when we file an application with the AUC.

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	Fall 2018 to Summer 2019
File application with Alberta Utilities Commission (AUC)	Fall 2019
Start construction if project is approved	Fall 2020
Complete construction	Fall 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 as the project progresses.

Projects in the area

Project name	Description	Status
Chapel Rock to Pincher Creek Area Transmission Development	This project involves a new transmission line and substation located northwest of Pincher Creek. For more information please visit: www.altalink.ca/chapelrock	Consultation underway

For other projects in the area and across Alberta, please visit www.altalink.ca/projects.

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



Contact us

To learn more about the proposed project please contact:

ALTALINK

1-877-269-5903 (toll-free)

Email: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

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 (toll-free)

Email: 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. If you have any questions or concerns about the need for this project 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

(You can call toll-free by dialing 310-0000 before the number).

Email: utilitiesconcerns@auc.ab.ca



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Calgary, Alberta T2A 7W7

Let's talk transmission



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altalinktransmission](http://www.facebook.com/altalinktransmission)



www.twitter.com/altalink