

Electric system improvements near you

853L Transmission Line Capacity Increase

You are receiving this newsletter because AltaLink is proposing to modify a transmission line near you.

The Alberta Electric System Operator (AESO) has requested that AltaLink modify portions of the existing 853L **transmission** line to increase electricity capacity and meet the growing demands for electricity in the area.

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

You may have received information about other projects in the area:

- Solar Krafte Brooks Project Connection
- Lathom Solar Project Connection

Those are separate projects. For information about those projects, please visit our website at www.altalink.ca/projects.

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 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

1-877-267-1453

stakeholderrelations@altalink.ca

www.altalink.ca/projects

Project details

The 853L transmission line is a single circuit 138 kilovolt (kV) line, located approximately six kilometres west of the City of Brooks, in the County of Newell. To increase the electricity capacity on the 853L transmission line, the proposed project includes:

- replacing the **conductor** on an approximately 17.5 kilometre segment of the transmission line that starts at the West Brooks Substation (located in NW-28-18-15 W4M)
- replacing 13 structures and modifying two other structures along the 853L transmission line
- building two temporary transmission lines during construction to ensure customers in the area continue to receive reliable electricity service

Transmission line structures

The existing structures on the line are H-Frame structures, between 14 to 25 metres (m) tall. The new structures will be similar in appearance and may be taller than the existing structures in some areas, but they will not exceed 25 m in height. They will be able to support the new, heavier conductor and provide greater clearance.

Temporary transmission lines

The first temporary transmission line will be at the north end of the replacement section (located in SE-14-19-17 W4M) and will be approximately 215 m long. It will allow electricity to continue to flow while the conductor is being replaced.

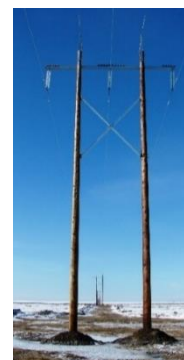
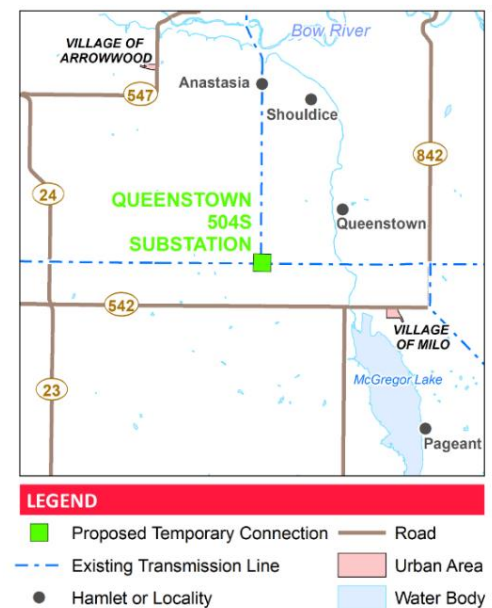
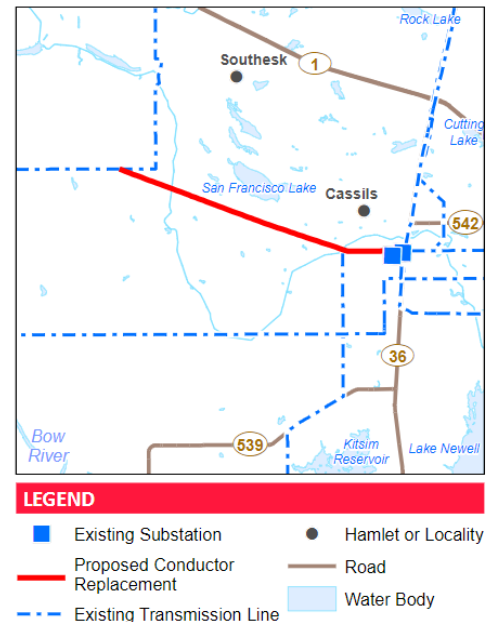
The second temporary transmission line will be installed at the Queenstown **Substation** (located in SW-17-19-22 W4M) and will be approximately 105 m long. It will connect the existing 876L transmission line to the Queenstown Substation to ensure that a reliable supply of electricity is available in the region.

Once construction of the project has been completed, the temporary lines will be removed. Please refer to the Detail Photo Map included in this package for the work happening nearest to you.

Access trails and construction workspace

Access trails and construction workspace, in addition to the existing transmission line **right-of-way**, is required for the safe construction of the new structures. AltaLink will consult with all affected landowners regarding the access trails and construction workspace.

The proposed access trails will be approximately five metres wide. The construction workspace will be 25 x 40 m at each structure, on either side of the existing right-of-way. Additional workspace will also be required for stringing the new conductor and temporary transmission lines. If access trails or construction workspace are located near you, they can be seen on the strip mosaic maps in this package.



Left: The new structures will be similar to the structure in the photo above but may be taller
Right: The Queenstown Substation

DEFINITIONS:

Conductor

Conductors are the metal cables through which electricity flows.

Right-of-way

The right-of-way 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. The majority of the right-of-way can still be used by the landowner. Buildings cannot be placed on the right-of-way, but can be built up to the edge of the right-of-way.

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.

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

Providing your input

We will contact landowners, residents and occupants near the proposed project to gather input and address questions or concerns. Our priority is maintaining the health and safety of our employees, contractors, and the general public, while ensuring that we are able to continue to operate our system and keep the lights on for Albertans. We will follow any requested COVID-19 safety protocols for in-person meetings and accommodate your preferred meeting options, including over the phone, virtual or in-person. You can also provide input through our online feedback portal, found here: www.altalink.ca/projectfeedback.

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*.

Project maps
AESO newsletter
AUC brochure: *Participating in
the AUC's independent review
process*

Anticipated project schedule

Notify and consult with stakeholders	September 2022
File application with Alberta Utilities Commission (AUC)	October 2022
Start construction if project is approved	October 2023
Construction completed	November 2023

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

1-877-267-1453 (toll free)

E-mail: 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

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.

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

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.

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