

# Electric system improvements near you

Solar Krafte Brooks Connection



You are receiving this newsletter because you are near the Solar Krafte Brooks Connection and we want your input.

Solar Krafte Utilities Inc. (Solar Krafte) has requested a connection to the transmission system for their proposed Brooks Solar Farm. To facilitate this connection, AltaLink is proposing to construct a **transmission** line, operated and maintained by AltaLink, to connect Solar Krafte's proposed new substation and solar farm to the electric system.

Although AltaLink's project is separate from Solar Krafte's project, it is required to facilitate the connection of their project. Solar Krafte has filed an application to the Alberta Utilities Commission for their proposed project. For more information about Solar Krafte'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
- 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](http://www.altalink.ca).

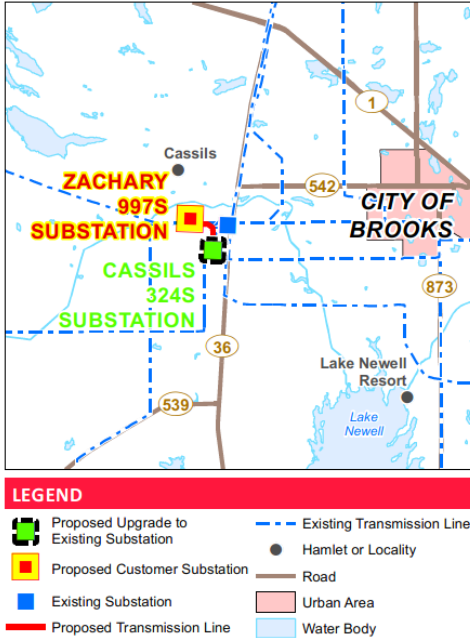
DEFINITION:

## **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](mailto:stakeholderrelations@altalink.ca)  
[www.altalink.ca/projects](http://www.altalink.ca/projects)



Above: The existing Cassils Substation



Angle structures with guy wires will look similar to the three-pole structure shown above and may be wood or steel.



The proposed structures will look similar to the H-frame structure shown above and may be wood or steel.

## Project details

The proposed project is located in NE-29-18-15-W4, in the County of Newell, approximately seven kilometres west of the City of Brooks.

To connect the Brooks Solar Farm to the grid, AltaLink is proposing to:

- add one new 240 kilovolt (kV) **circuit breaker** and associated equipment to the Cassils Substation
- construct approximately 200 metres of new single circuit 240 kV transmission line to connect Solar Krafte's proposed Zachary Substation to the existing Cassils Substation
- install **optical ground wire (OPGW)** on the proposed transmission line to ensure the safe and reliable operation of the transmission system

The proposed single circuit transmission structures will:

- be wood or steel H-frames
- be approximately 22 to 34 metres tall
- may require guy wires within the proposed right-of-way for angle structures
- have a **right-of-way (ROW)** approximately 35 metres wide

## DEFINITIONS:

**Circuit breakers** are electrical switches inside a substation that protect substation equipment. Circuit breakers help ensure the safety and reliability of the electric equipment.

**Optical ground wire (OPGW)** transmits data signals between substations and is part of a larger telecommunications system in Alberta. This allows AltaLink control centres to actively monitor the electric system, ensuring it runs safely and reliably. It acts as a grounding wire for transmission structures and shields transmission lines from lightning strikes.

A **right-of-way (ROW)** is a strip of land required for the construction, maintenance and safe operation of a transmission line. A ROW refers to the physical space in which a transmission line is located and includes areas on either side of the transmission line structures and the conductors, which are the wires that carry the electricity.

## 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.

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.

Construction workspace will be required on private land, and land leased by AltaLink. Proposed construction workspaces are shown on the attached map.

## 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](http://www.altalink.ca/emf)

Email: [emfdialogue@altalink.ca](mailto:emfdialogue@altalink.ca)

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

## Anticipated project schedule

Notify and consult with stakeholders	November 2021 to January 2022
File application with Alberta Utilities Commission (AUC)	March 2022
Start construction if project is approved	October 2022
Construction completed	January 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.*

## Keeping the lights on during COVID-19

AltaLink is closely monitoring the spread of COVID-19. Our priority is maintaining the health and safety of our employees, contractors, and the general public while ensuring that we can continue to operate our system and keep the lights on for Albertans.

## Providing your input

We will contact landowners, residents and occupants near the proposed project to gather input and address questions or concerns. Due to the COVID-19 pandemic, we will be conducting meetings via telephone or electronic methods.

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:*

### **ALATALINK**

1-877-267-1453 (toll free)

E-mail: [stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca)

Website: [www.altalink.ca/projects](http://www.altalink.ca/projects)

*To learn more about the Solar Krafte Substation:*

### **SOLAR KRAFTE UTILITIES INC.**

403-879-7968

Email: [engineering@solarkrafte.com](mailto:engineering@solarkrafte.com)

Website: <https://www.prairiesunlight.com>

*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](mailto: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](http://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](mailto: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*

### **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](http://www.altalink.ca/privacy) or contact us directly via e-mail [privacy@altalink.ca](mailto:privacy@altalink.ca) or phone at 1-877-267-6760.

## SUBSCRIBE TO THIS PROJECT

- 1) Visit: [altalink.ca/projects](http://altalink.ca/projects)
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

## LET'S TALK TRANSMISSION



[www.twitter.com/altalink](http://www.twitter.com/altalink)



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