



ALTALINK

A BERKSHIRE HATHAWAY ENERGY COMPANY

April 2023

Electric system improvements near you Shell Scotford Substation Upgrade

You are receiving this newsletter because you are near the proposed Shell Scotford Substation Upgrade, and we want your input.

We are proposing to upgrade equipment at the existing Shell Scotford **Substation**, as well as modify two existing transmission lines outside the substation to ensure a reliable supply of electricity is available in the area for years to come.

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

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:

Substation

Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power.

CONTACT US

1-877-267-1453
 stakeholderrelations@altalink.ca
www.altalink.ca/projects

Project details

The proposed project is located in Strathcona County, 10 kilometres northeast of the City of Fort Saskatchewan in SW-32-55-21-W4. It includes upgrading and expanding AltaLink’s existing Shell Scotford Substation and modifying two existing transmission lines.

Substation upgrades

AltaLink is proposing to upgrade its Shell Scotford Substation by extending the existing 138 kV **bus** and adding the following equipment:

- one new control building
- one new 138/25 kilovolt (kV) **transformer**
- four new 138 kV **circuit breakers**

To accommodate the new control building, the substation fenceline will need to expand by approximately 45 by 25 metres (m) to the west.

The expansion will take place on land owned by Shell. Temporary workspace is required outside the fenceline. Please refer to the map included in this package for an overview of the temporary workspace and project area.

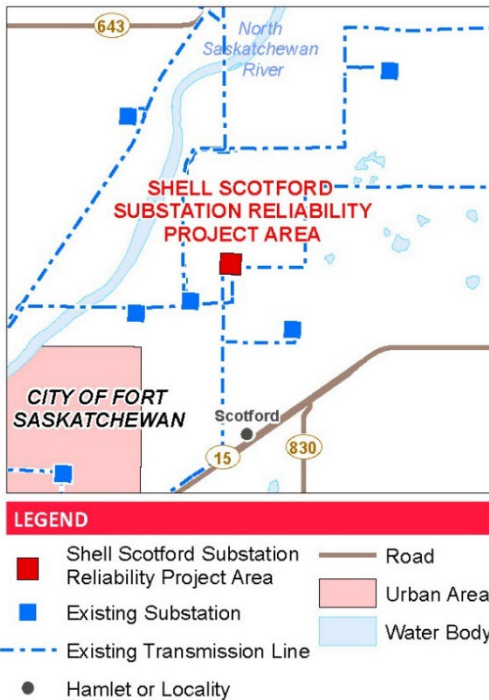
Transmission line modifications

To accommodate the upgrades at the Shell Scotford Substation, AltaLink is proposing the following modifications to two existing transmission lines outside of the substation:

- move and replace approximately 100 m of the existing 856L transmission line and replace three structures
- move and replace approximately 110 m of the existing 857L transmission line and replace two structures

The new structures are proposed to be wooden or steel H-frames and will be the same height as the existing structures at approximately 80 m. The existing underground **fibre optic cable** for each transmission line will also be moved.

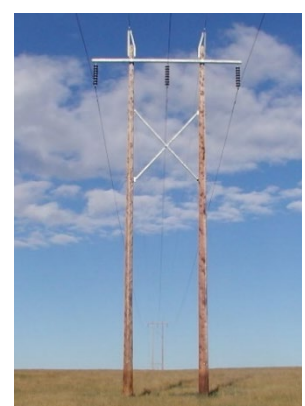
Please refer to the map included in this package for the proposed structure and fibre optic cable locations. The old structures and transmission line that will no longer be needed will be removed and salvaged.



The new transformer will look similar to the picture above.



The new circuit breakers will look similar to the picture above.



The H-frame structures will look similar to the picture above.

DEFINITIONS:

Bus

A bus is a piece of equipment that transports electricity around different points in a substation, such as between a transmission line and a transformer.

Transformer

Transformers step down the voltage in a substation so power can be distributed safely to your community through distribution lines. Transformers also step up the voltage so power can be transmitted through transmission lines.

Circuit Breaker

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

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 to consider facility applications*.



Anticipated project schedule

Notify and consult with stakeholders	April 2023
File application with Alberta Utilities Commission (AUC)	October 2023
Start construction if project is approved	January 2024
Construction completed	September 2024

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.

INCLUDED IN THIS INFORMATION PACKAGE:

- Project map
- AESO Need Overview
- AUC brochure: *Participating in the AUC's independent review process to consider facility applications*

Contact us

To learn more about the proposed project, please contact:

ALTALINK

1-877-267-1453 (toll free)

Email: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

The Shell Scotford Substation connects the Shell Scotford Complex to the grid. To learn more about Shell's Scotford Complex, please contact:

SHELL CANADA

Paige Lawson, Advisor, Scotford

780-997-4630

Email: paige.lawson@shell.com

Website: www.shell.ca/en_ca/about-us/projects-and-sites/scotford.html

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

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. 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 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.)

Email: 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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