

November 7, 2024

Shell Scotford Substation Upgrade Project update

Thank you for your ongoing participation in the Shell Scotford Substation Upgrade. We began consulting with stakeholders in April 2023, and we would like to provide you with an update.

After our initial consultation and further engineering on the proposed project, we determined that some portions of our original project scope were no longer required.

We are now in the process of filing our application with the Alberta Utilities Commission (AUC) with a change in scope, and we want to hear from you.

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 an existing transmission line, called 856L.

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 138/25 kilovolt (kV) **transformer**
- two new 138 kV **circuit breakers**

To accommodate the upgrades, we will need to expand the substation fenceline by approximately 25 metres 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 to modify its existing 856L transmission line outside of the substation fence by moving and replacing approximately 100 metres of the 856L line and replacing three structures.

The new structures are proposed to be wood or steel H-frames and will be the same height as the existing structures at approximately 20 to 30 metres.

The old structures and section of transmission line that will no longer be needed will be removed. Please refer to the map included in this package for additional information.

Project scope changes

AltaLink is no longer adding a control building and the number of 138kV circuit breakers required at the substation has changed from four to two.

AltaLink no longer requires modifications to the existing 857L transmission line and no longer needs to move the existing underground fibre optic cable associated with the 856L or 857L transmission lines as noted in the previous project information.

In previous project information, the new structures on the 856L transmission line were listed as approximately 80 metres, where they will now be between 20-30 metres.

Anticipated project schedule

Notify and consult with stakeholders	November 2024 – January 2025
File application with Alberta Utilities Commission	March/April 2025
Start construction if project is approved	April 2027
Complete construction	November 2027

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 AUC.

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*.

Kris Gladue
Manager, Stakeholder Engagement

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.