

Need for the Sheridan 2085S substation and a new transmission line in the Jasper area



FAST FACT

Alberta's electric transmission system comprises the towers, wires and related equipment that are a part of moving electricity from where it is generated to where it is used.

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) requesting transmission system access to serve a new and existing demand for electricity in the Jasper area. ATCO's request can be met by the following solution:

> PROPOSED SOLUTION

- Adding a new substation, to be called Sheridan 2085S, with a 69/25 kilovolt (kV) transformer, a 69 kV circuit breaker, and associated equipment
- Adding approximately 60 kilometres of 69 kV transmission line connecting the proposed Sheridan 2085S substation to the existing Watson Creek 104S substation
- Upgrading the existing Watson Creek 104S substation by adding a 138/69 kV transformer, a 138 kV circuit breaker, and associated equipment

> NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in late 2016.
- The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/nid at the time of its application to the AUC.

The following organizations have key roles and responsibilities in providing access to the transmission system:

> THE AESO:

- Must plan the transmission system and enable access to it for generators and other qualified customers
- Is regulated by the AUC and must apply to the AUC for approval of its NID

> ATCO

- Is the transmission facility owner in Jasper National Park
- Is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications

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- Is the transmission facility owner in the area adjacent to Jasper National Park, the area where the existing Watson Creek 104S substation is located
- Is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications

> CONTACT US

We appreciate your views, both on the need for transmission system development and proposed transmission plans. If you have any questions or comments, please contact us directly.

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> WHO IS THE AESO?

The Alberta Electric System Operator (AESO) is a not-for-profit organization with no financial interest or investment of any kind in the power industry. We plan and operate Alberta's electricity grid and wholesale electricity market safely, reliably and in the public interest of all Albertans.