

# 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.

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

### > NEW PROPOSED SOLUTION

- Add a new substation, to be called Sheridan 2085S, with two 69/25 kilovolt (kV) transformers, two 69 kV circuit breakers, and associated equipment.
- Add approximately 60 kilometres of 69 kV transmission line connecting the proposed Sheridan 2085S substation to the existing Watson Creek 104S substation.
- Upgrade the existing Watson Creek 104S substation by adding two 138/69 kV transformers, two 138 kV circuit breakers, and associated equipment.
- Originally, the proposed Sheridan 2085S substation was to include only one 69/25 kV transformer, one 69 kV circuit breaker, and associated equipment. Likewise, the Watson Creek 104S substation upgrade was to include only one 138/69 kV transformer, one 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](http://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

### > ALTALINK MANAGEMENT LTD.

- 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.