

# Need for the Irma Energy Connection in the Irma 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.

*Irma Wind Farm Ltd. (Irma Wind) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed wind generating facility (Facility) in the Irma area. Irma Wind's request can be met by the following solution:*

### > PROPOSED SOLUTION

- Modify the existing Buffalo Creek 526S substation, including adding a 138 kilovolt (kV) circuit breaker and associated equipment
- Add approximately 15 kilometres of 138 kV transmission line to connect the Facility to the Buffalo Creek 526S substation

### > NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in early 2017.
- 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

### > ALTALINK MANAGEMENT LTD.:

- Is the transmission facility owner in the Irma area
- 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.

**Alberta Electric System Operator  
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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.

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