

# Developments needed in the Vermilion and Vegreville Areas to Connect the Grizzly Bear Creek Wind Power Plant



## 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.

*E.ON Climate & Renewables Canada Ltd. (E.ON) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Grizzly Bear Creek Wind Power Plant (Facility) in the Vermilion area. E.ON's request can be met by:*

### > PROPOSED SOLUTION

#### Vermilion Area

- Build the Steele 2016S substation with a 144 kV circuit breaker, and associated equipment.
- Build approximately 20 kilometres of 144 kV transmission line to connect the Facility to the Steele 2016S substation.
- Modify the existing 7L65 transmission line.

#### Vegreville Area

- Modify the Vincent 2019S substation including adding a 144 kV transmission line, two 144 kV circuit breakers, and associated equipment.
- Modify the existing 7L65 transmission line.

### > NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-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 ELECTRIC LTD.:

- Is the transmission facility owner in the Vermilion and Vegreville areas
- 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.