

# Need for the Sharp Hills Energy Connection in the Sedalia Area North of Oyen



## 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.

*EDP Renewables SH Project Limited Partnership (EDPR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Sharp Hills wind generating facility in the Sedalia area north of Oyen. EDPR's request can be met by the following solution:*

### > PROPOSED SOLUTION

- Add the New Brigden 2088S 240 kilovolt (kV) switching substation that includes four 240 kV circuit breakers and associated equipment.
- Connect the New Brigden 2088S switching substation to the existing 240 kV transmission line 9L46 using an in-and-out connection configuration.

### > 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 ELECTRIC LTD.:

- Is the transmission facility owner in the Sedalia area north of Oyen
- 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.

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