

# Need for the Sharp Hills Wind Farm Connection in the Sedalia Area

*The AESO intends to file an application with the Alberta Utilities Commission (AUC) to amend the Sharp Hills Wind Farm Connection Needs Identification Document Approval (Sharp Hills NID Approval). The approved transmission facilities were proposed in response to a request for transmission system access from EDP Renewables SH Project Limited Partnership (EDPR) to connect its approved Sharp Hills Wind Farm (approved Facility) in the Sedalia area.*

*The Sharp Hills NID Approval includes adding the New Brigden substation and two 240 kV transmission lines to connect the approved Facility in an in-and-out configuration.*

*The AESO has since revised its proposed solution to respond to EDPR's request, as described below. EDPR's request can now be met by the following solution:*

## PROPOSED SOLUTION

- Add one 240 kV transmission line to connect the approved Facility to the existing transmission line 9L46 in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

## NEXT STEPS

- The AESO intends to apply to the AUC for approval of this amendment in early 2021.
- The AESO's application will be available on the AESO's website at [www.aeso.ca/grid/projects](http://www.aeso.ca/grid/projects) at the time of its submission 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 the Sedalia area.
- Is responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

## WHO IS THE AESO?

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

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.

## CONTACT US

### Alberta Electric System Operator

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