

Need for the Windrise Wind Power Project Connection in the Town of Fort Macleod area

Windrise Wind LP, a wholly owned subsidiary of TransAlta Corporation (TransAlta), has applied to the AESO for transmission system access to connect its proposed Windrise Wind Power Project (Facility) in the Fort Macleod area. TransAlta's request can be met by the following solution:

PROPOSED SOLUTION

- Upgrade the existing Windy Flats 138S substation, including adding one 240/138 kilovolt (kV) transformer and one 138 kV circuit breaker.
- Add one 138 kV transmission line to connect the Facility to the Windy Flats 138S substation in a radial configuration.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in late 2019.
- The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/grid/projects 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.

TRANSALTA

- Has requested transmission system access to connect the Facility.
- Is responsible for detailed siting and routing, and constructing the 138 kV transmission line to connect the Facility to the Windy Flats 138S substation.
- Must apply to the AUC for approval of its transmission facilities applications.

ALTALINK

- Is the transmission facility owner in the Fort Macleod area.
- Is responsible for operating and maintaining the new 138 kV transmission line, and constructing, operating and maintaining the transmission facilities associated with the Windy Flats 138S substation upgrade.
- 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

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