

Need for the Garden Plain Wind Power Project Connection in the Castor area

TransAlta Corporation (TransAlta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Garden Plain Wind Power Project (Facility) in the Castor area. TransAlta's request can be met by the following solution:

PROPOSED SOLUTION

- Add the Garden Plain 1045S substation, including three 240 kilovolt (kV) circuit breakers.
- Add two 240 kV transmission lines to connect the Garden Plain 1045S substation to the existing 240 kV transmission line 9L59.
- 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 early 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.

ATCO ELECTRIC LTD.

- Is the transmission facility owner in the Castor 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

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