

Need for the Garden Plain Wind Power Project Connection in the Castor and Holden areas

TransAlta Corporation (TransAlta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Garden Plain Wind Power Project (Facility) in the Castor area. Distribution of the original AESO Need Overview began in September 2018. The AESO has since revised its proposed solution and schedule, and identified the need for development in the Holden area, as described below. TransAlta's request can be met by the following solution:

REVISED PROPOSED SOLUTION

- Add one 240 kilovolt (kV) transmission line, to connect the Facility to the existing 240 kV transmission line 9L59 in a T-tap configuration. Originally, the Facility was proposed to connect using an in-and-out configuration.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in early 2021.
- The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/stakeholder-engagement/transmission-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 & ALTALINK

- Are the transmission facility owners (TFO) in their respective service areas:
 - ATCO is the TFO in the Castor area.
 - AltaLink is the TFO in the Holden area.
- Are responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities within their respective service areas.
- Will coordinate the proposed transmission development described above.
- Are regulated by the AUC and must apply to the AUC for approval of their 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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