

Need for the Paintearth Wind Project Connection in the Halkirk area

Paintearth Wind Project LP (Paintearth), by its general partner Paintearth Wind Project Ltd., has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Paintearth Wind Project (Facility) in the Halkirk area.

Distribution of the original AESO Need Overview began in May 2017 and the AESO filed a needs identification document (NID) application in December 2017. As a result of a change in schedule, the AESO determined that an amendment to the filed NID application will be required. The AESO intends to submit the amended NID as described below.

Paintearth's request can be met by the following solution:

PROPOSED SOLUTION

- Add the proposed Pioneer 805S substation, including two 240 kilovolt (kV) circuit breakers.
- Add two 240 kV transmission lines to connect the proposed Pioneer 805S substation to the existing 240 kV transmission line 9L93 in an in-and-out configuration.
- Add one 240 kV transmission line to connect the Facility to the proposed Pioneer 805S substation.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- The AESO has determined that the NID application submitted in December 2017 needs to be amended. The AESO now intends to submit the amended NID application to the Alberta Utilities Commission (AUC) for approval of the need in late 2020.
- 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

- Is the transmission facility owner in the Halkirk 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

AESO Stakeholder Relations
stakeholder.relations@aes0.ca
1-888-866-2959

2500, 330-5th Avenue SW
Calgary, AB T2P 0L4
Phone: 403-539-2450

www.aeso.ca | [@theaes0](https://twitter.com/theaes0)