

Need for the Luna Solar Project Connection

Northland Power Luna I GP (Northland Power) has applied to the AESO for transmission system access to connect its approved Luna Solar+ Phase One (Facility) in the Brooks area.

Distribution of the original AESO Need Overview began in April 2023. As a result of a change in the solution and schedule, the AESO determined that a Need Overview Update is required to provide revised steps.

Northland Power's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kilovolt (kV) transmission line to connect the Facility to the existing 240 kV transmission line 935L in a T-tap configuration.
- Add one 240 kV transmission line to connect the Facility to the existing 240 kV transmission line 923L in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- In early 2025 the AESO may consider the need for this project for approval under section 501.3 of the ISO rules, *Abbreviated Needs Approval Process* (ANAP Rule), or apply to the Alberta Utilities Commission (AUC) for approval of the need.
- The AESO will notify stakeholders via the AESO's website at www.aeso.ca/grid/transmission-projects prior to the project being considered under the ANAP Rule or when filing a needs identification document (NID) application with 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.
- Can approve eligible projects through the ANAP Rule and for non-eligible projects, the AESO will prepare and submit a NID to the AUC for approval.

NORTHLAND POWER

- Has requested transmission system access to connect the Facility.
- Is responsible for detailed siting and routing, and constructing the new 240 kV transmission lines to connect the Facility to the transmission lines 935L and 923L.
- Must apply to the AUC for approval of its transmission facilities applications.

ALTALINK

- Is the transmission facility owner in the Brooks area.
- Is responsible for operating and maintaining the new 240 kV transmission lines and constructing, operating and maintaining the transmission facilities associated with the transmission line 935L and 923L modifications.
- Is 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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