

# Need for the Suncor Forty Mile Wind and Solar Power Projects Connection in the Maleb area

The Alberta Electric System Operator (AESO) has revised its description of Suncor Energy Inc.'s (Suncor's) request for transmission system access to include the connection of both the proposed Suncor Forty Mile Solar Power Project and the Suncor Forty Mile Wind Power Project (collectively, the Facilities). The original AESO Need Overview was distributed in April 2017. Since that time, the AESO has identified that the proposed solution will also connect the Suncor Forty Mile Solar Power Project, where previously only the proposed Suncor Forty Mile Wind Power Project was identified.

## > PROPOSED SOLUTION

- Modify the existing Whitla 251S substation, including adding a 240 kilovolt (kV) circuit breaker.
- Add a 240 kV transmission line to connect the Facilities to the existing Whitla 251S substation.
- Add or modify associated equipment as required for the above transmission developments.

## > NEXT STEPS

- In early 2018, the AESO intends to submit a needs identification document (NID) to the Alberta Utilities Commission (AUC) for approval.
- Once submitted, the NID will be posted on the AESO's website at [www.aeso.ca/grid/projects/](http://www.aeso.ca/grid/projects/)

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.

## > ALTALINK MANAGEMENT LTD.:

- Is the transmission facility owner in the Maleb area
- Is responsible for detailed siting and routing, constructing, operating and maintaining the associated 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.



## FAST FACT

**Alberta's electric transmission system** comprises the towers, wires and related equipment that are a part of moving electricity from where it is generated to where it is used.

## > CONTACT US

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.

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