

October 25, 2017

**[Notified Market Participant Legal Name]**

**[Notified Market Participant Address]**

Attention: **[Notified Market Participant Primary Contact]**

Dear **[Notified Market Participant Primary Contact]**:

Re: **Need for the Stirling Wind Project Connection in the Village of Stirling Area**

The Alberta Electric System Operator (AESO) would like to advise you that Stirling Wind Project Ltd., (SWLP), has applied for transmission system access to connect its Stirling Wind Project (planned Facility) to the Alberta interconnected electric system (AIES) in the AESO South Planning Region.

A copy of the AESO Need Overview document is attached for your information. The AESO Need Overview describes the AESO's proposed transmission development to connect the planned Facility and the AESO's next steps, which include submitting a needs identification document (NID) application to the Alberta Utilities Commission (AUC) for approval.

The purpose of this letter is to advise you that the AESO has identified that, under certain abnormal (Category B) system conditions, the operations of the **[Notified Market Participant Generation Facility]** may be affected following the connection of the planned Facility.

### ***Connection Assessment Findings***

A connection assessment was carried out by the AESO to assess the transmission system performance following the connection of the planned Facility. This assessment did not identify any system performance issues under normal (Category A) system conditions. However, the connection assessment identified the potential for system performance issues to arise or be exacerbated, under certain Category B system conditions, following the connection of the planned Facility.

To mitigate these identified system performance issues, namely potential transmission constraints, real time operational practices and existing remedial action schemes (RASs) may be used. In addition new RASs may be required.

### ***Transmission Constraint Management***

The AESO manages transmission constraints in accordance with the procedures set out in Section 302.1 of the ISO rules, *Real Time Transmission Constraint Management* (TCM Rule). When applied, the TCM Rule could result in the AESO issuing directives for curtailment to source assets that are effective in managing a constraint.

The connection assessment has identified source assets, including the **[Notified Market Participant Generation Facility]**, that are effective in mitigating the potential transmission constraints. These effective source assets could be curtailed to manage the potential transmission constraints under certain Category B system conditions.

***For Further Information***

The complete connection assessment will be included in the AESO's NID application for the project. Following submission to the AUC, the NID application will be posted on the AESO website at: <https://www.aeso.ca/grid/projects/stirling-wind-project-connection/>

If you have any questions or concerns, please contact the AESO at 1-888-866-2959 or [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)

Yours truly,

Mohamed Kamh, P.Eng., Ph.D.,  
Manager, Project and System Access Studies

Attachment: AESO Need Overview: *Need for the Stirling Wind Project Connection in the Village of Stirling area*

# Need for the Stirling Wind Project Connection in the Village of Stirling area

*Stirling Wind Project LP by its General Partner, Stirling Wind Project Ltd., (SWLP) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Stirling Wind Project (the Facility) in the Village of Stirling area. SWLP's request can be met by the following solution:*

## > PROPOSED SOLUTION

- Add a 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 820L.
- Add or modify associated equipment as required for the above transmission developments.

## > NEXT STEPS

- In late 2017, 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 Village of Stirling 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.

*The AESO is committed to protecting your privacy. Your feedback, comments and/or contact information collected by the AESO will be used to respond to your inquiries and/or to provide you with further information about the project. The AESO will not use your personal information for any other purpose and will not disclose your information without consent or a legal obligation. If you choose to communicate by email, please note, email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.*



## 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.

### Alberta Electric System Operator

Jennifer Vollmer

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