Participant Involvement Program Summary

Fox Meadows Wind Project Connection

Date: August 19, 2025

Version: V1

Classification: Public

1. Introduction

From January 2025 to July 2025, the AESO conducted a Participant Involvement Program (PIP) for the *Fox Meadows Wind Project Connection Needs Identification Document*. The AESO directed the legal owner of transmission facilities (TFO), in this case AltaLink Management Ltd., in its capacity as general partner of AltaLink, L.P. (AltaLink), to assist the AESO in providing notification as part of the AESO's PIP.

The AESO's PIP is designed to notify Stakeholders and Indigenous groups in the area where the AESO has reasonably determined that facilities could be installed to implement the AESO's preferred option to respond to the request for system access service.

The AESO's PIP has been conducted in accordance with the requirements of Section 7.1.2, NID12 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective March 28, 2024.

2. Stakeholder Notification

The AESO developed a one-page AESO Need Overview document with the purpose of notifying Stakeholders and Indigenous groups of the following items:

- a description of the need for development;
- a description of the AESO's preferred option to respond to the system access service request;
- identification of the general area where facilities could be installed to implement the AESO's preferred option to respond to the system access service request;
- the AESO's contact information, including telephone, email and website, for further information; and
- the AESO's next steps.

A copy of the Need Overview was posted to the AESO website at https://www.aeso.ca/grid/transmission-projects/fox-meadows-wind-project-connection-2460 and a notice was published in the AESO Stakeholder Newsletter on February 5, 2025. Copies of the Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 1 and 2, respectively. The Need Overview was also included with the TFO's project-specific information package that was distributed to Stakeholders, as further described in Section 2.1.

2.1 Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 800 meters of the proposed telecom towers and transmission line, and 100 meters of the transmission line salvage, as recommended by the Commission in Appendix A1 in AUC Rule 007.[1]

The TFO notified a total of approximately 45 Stakeholders, of which 29 were classified as private or individual landowners. The other 16 notified Stakeholders are listed below:

- ABO Energy Canada Ltd.
- Alberta Arts, Culture and Status of Women
- Alberta Environment and Protected Areas – Fish and Wildlife Stewardship
- ATCO Gas and Pipelines Ltd.
- Cenovus Energy Inc.
- NAV Canada
- Peyto Exploration and Development Corp.
- Telus Communication
- Teine Energy Ltd.
- The Board of Trustees of the Buffalo Trail Regional Division No. 28

[1] AltaLink has identified its facility application to be of the type: *Overhead transmission line and new substation development – rural or industrial setting and Decommission and salvage – transmission facility*, as categorized in AUC Rule 007, Appendix A1, Section 5.

- FortisAlberta Inc.
- Innovation, Science and Economic Development Canada
- Municipal District of Wainwright No. 61
- The Village of Edgerton
- Transport Canada
- Transportation and Economic Corridors

Attachment 3 includes the TFO's project newsletter, which included the AESO Need Overview that was distributed to the Stakeholders described above between January 29, 2025, and March 20, 2025. The TFO's project newsletter was posted on the TFO's project-specific webpage at https://www.altalink.ca/project/abo-energy-fox-meadows-wind-project-interconnection/ on January 29, 2025. The TFO's project information package included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview, and an invitation to contact the TFO or the AESO for additional information.

3. Stakeholders Notified by the AESO

The AESO also notified 12 market participants that the AESO determined may have an interest in the Fox Meadows Wind Project Connection. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Fox Meadows Wind Project Connection. A Market Participant Notification Letter, which included the Need Overview, was sent to the notified market participants on July 30, 2025.

The 12 notified market participants are as follows:

- Bull Creek Wind Power Limited Partnership
- Dolcy Solar Inc.
- Eastervale Solar Inc.
- EDP Renewables SH Project Limited Partnership
- Eridani Ltd.
- Heze Ltd.
- Killarney Lake Solar LP
- Lanfine Wind 1 LP
- PACE Canada LP
- Renewable Energy Systems Canada Inc.
- Rising Sun Inc.
- Universal Kraft Canada Renewables Ltd.

A generic version of the Market Participant Notification Letter was posted to the AESO website on July 31, 2025 at https://www.aeso.ca/grid/transmission-projects/fox-meadows-wind-project-connection-2460. A copy has been included as Attachment 4.

4. Responding to Questions and Concerns

To ensure that Stakeholders had the opportunity to provide feedback, the AESO provided Stakeholders with AESO contact information, including a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). The AESO Need Overview included this contact information, along with the AESO's mailing address (3000, 240 4th Ave. SW, Calgary) and website address (www.aeso.ca), and a privacy statement that described how the AESO is committed to protecting Stakeholders' privacy.

As directed by the AESO, the TFO was prepared to direct any Stakeholder questions addressed to the AESO, or questions regarding the AESO Need Overview, to the AESO.

5. Questions and Concerns Raised

The TFO has advised the AESO that none of the Stakeholders notified by the TFO identified any concerns or objections regarding the AESO's preferred option to respond to the system access service request or the need for development.

The AESO has not received any indication of concerns or objections about the AESO's preferred option to respond to the system access service request or the need for development.

6. List of Attachments

- Attachment 1 – AESO Need Overview (November 2024)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (February 2025)
- Attachment 3 – TFO Project Newsletter – ABO Energy Fox Meadows Wind Project Interconnection (November 2024)
- Attachment 4 – AESO Market Participant Notification Letter (July 30, 2025)

Attachment 1 – AESO Need Overview (November 2024)

Need for the Fox Meadows Wind Project Connection

ABO Energy Canada Ltd. (ABO Energy) has applied to the AESO for transmission system access to connect its proposed Fox Meadows Wind Project (Facility) in the Edgerton area. ABO Energy's request can be met by the following solution:

PROPOSED SOLUTION

- Add a substation, designated as Spalding 1059S including two 138 kilovolt (kV) circuit breakers.
- Connect the proposed Spalding 1059S substation to the existing 138 kV transmission line 749AL using an in-and-out configuration.
- Connect the Facility to the Spalding 1059S substation.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- In mid 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.

ALTALINK

- Is the transmission facility owner in the Edgerton 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@aeso.ca
1-888-866-2959

3000, 240-4th Avenue SW
Calgary, AB T2P 4H4
Phone: 403-539-2450

www.aeso.ca | **@theaeso**

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (February 2025)

GRID

Need Overview | Fox Meadows Wind Project Connection

ABO Energy Canada Ltd. (ABO Energy) has applied to the AESO for transmission system access to connect its proposed Fox Meadows Wind Project (Facility) in the Edgerton area.

Click here to view the proposed transmission development details and access the Need Overview document or visit aeso.ca: Grid > Transmission Projects > Fox Meadows Wind Project Connection (2460).

Attachment 3 – TFO Project Newsletter – ABO Energy Fox Meadows Wind Project Interconnection (November 2024)

NOVEMBER 2024

ABO Energy Fox Meadows Wind Project Interconnection

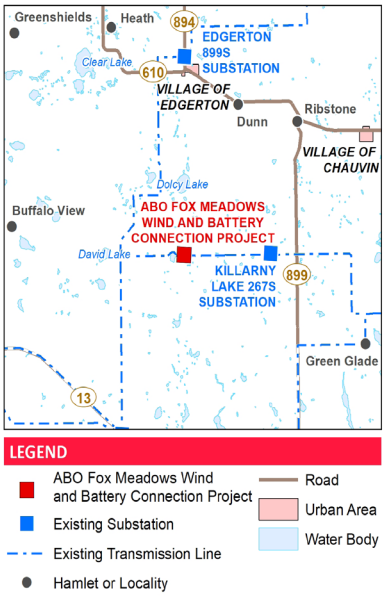
You are receiving this newsletter because you are near ABO Energy's Fox Meadows Wind Project Interconnection, and we want your input.

To connect ABO Energy's Fox Meadows Wind Project to the grid, AltaLink is proposing changes to its transmission system. The project is located within the M.D. of Wainwright, approximately 20 kilometres south of the Village of Edgerton.

To connect ABO Energy's wind, battery and substation project to the grid, AltaLink is proposing modifications to an existing **transmission** line, constructing a new **switching station** and installing two new **telecommunications towers**. Details are included in this newsletter.

ABO Energy has consulted with landowners on its project separately. For more information about ABO Energy's project, please see their contact information included in this newsletter.

DID YOU KNOW? *Alberta is among the leaders in Canada when it comes to installed wind generation capacity. Alberta has more than 1,400 MW of wind power connected to the grid, which could power approximatley 625,000 homes for a year.*



ANTICIPATED PROJECT SCHEDULE

NOVEMBER 2024 - APRIL 2025
Notify and consult with stakeholders

MAY 2025
File application with Alberta Utilities Commission (AUC)

SEPTEMBER 2025
Start construction if project is approved

APRIL 2026
Construction completed

Although we attempt to follow the anticipated project schedule, it is subject to change. We will continue to provide you with updated schedule information if required as the project progresses.

Top photo: *The structures required for the new short 138 kV lines will look similar to the above.*

Bottom photo: *The telecommunications towers at the Spalding and Edgerton Substations will look similar to the above.*

Project details

AltaLink's proposed project includes:

- constructing a new switching station, called Spalding 1059S, south of ABO Energy's proposed Spalding **Substation** within a shared fenced area; the switching station will include two 138 kV **circuit breakers**, a **control building**, a telecommunications tower and associated equipment
- building two new short 138 kV lines to connect the switching station to an existing transmission line in the area, 749AL
- in addition to building a new telecommunications tower at the Spalding switching station located in SE 2-42-4-W4, this project also involves building a new telecommunications tower at AltaLink's existing Edgerton 899S Substation located in SE 11-44-4-W4

New 138 kV lines

The new short 138 kV lines required to connect AltaLink's proposed switching station and ABO Energy's project to the transmission system will be approximately 65 metres long, comprised of two structures each. All structures will be wood or steel monopole and approximately 20-30 metres tall. Each line will include one guy-wired structure within road allowance and another that connects directly into the switching station. AltaLink proposes to remove one existing structure along 749AL to accommodate these changes. Please see the maps included in this package for details of this proposed configuration.

Telecommunications towers

The proposed telecommunications towers will:

- be self-supported steel structures with triangular bases
- comply with Transport Canada's requirements regarding painting and lighting
- not be accessible to the public, as the structures will be inside the fenced area of operating substations and support AltaLink equipment only

The telecommunications tower at the Spalding Substation will be approximately 25-35 metres tall. The telecommunications tower at the Edgerton Substation will be approximately 35-45 metres tall and will be accompanied by a new control building.

Right photo: *AltaLink's existing Edgerton Substation, within which AltaLink proposes to construct a new telecommunications tower and control building.*

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people may have concerns about exposure to EMF and we take those concerns seriously.

Everyone in our society is exposed to power frequency EMF from many sources, including:

- power lines and other electrical facilities
- electrical appliances in your home
- building wiring

National and international organizations such as Health Canada and the World Health Organization (WHO) have been conducting and reviewing research on exposure to EMF for more than 40 years. Based on this research, these agencies have not recommended that the general public needs to take steps to limit their everyday exposure to EMF from high voltage transmission lines, including individuals that are located on the edge of a power line right-of-way.

If you have any questions about EMF, please contact us.

Website: www.altalink.ca/emf
Email: emfdialogue@altalink.ca
Toll-free phone number: 1-866-451-7817

Radio Frequency (RF)

Telecommunication towers use Radio Frequency (RF) signals to transmit and receive information. The point-to-point signals travel along a focused path at low power levels and are well below recommended safety limits.

Licensed radio links on a telecommunications tower will not impact any other licensed telecommunication frequencies used by cellular phones, over-the-air television, satellite, radio, or GPS.

The telecommunication tower described in this notification will be installed and operated on an ongoing basis to be in compliance with Health Canada's Safety Code 6, which defines safe levels of RF exposure.

To ensure the structural adequacy of the tower, the design and installation will follow industry standards and sound engineering practices.

For general information relating to telecommunications systems, please contact:

Innovation, Science and Economic Development Canada
1-800-267-9401 (toll free in Canada)
Website: www.ic.gc.ca/towers

DEFINITIONS:

Transmission | *Transmission lines make up Alberta's electric highway, linking the places where power is generated to where power is used. Transmission lines transport large amounts of power over long distances across the province. The transmission system connects diverse sources of power generation including wind, solar, natural gas and more.*

Switching station | *Switching stations connect two or more transmission lines so power can be re-routed and transported across the province to where it's needed.*

Telecommunications tower | *Telecommunications towers support equipment that transmits data to our system control centre. This allows us to monitor the operation of the electric system and ensure we provide safe and reliable power to our customers.*

Substation | *Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power. Substations include transformers that step down and step up the voltage so power can be transmitted through transmission lines or distributed to your community through distribution lines.*

Circuit breaker | *Circuit breakers are electrical switches inside a substation that protect substation equipment.*

Control building | *Control buildings house electrical equipment such as controls, batteries and meters and ensure electrical equipment is protected.*

INCLUDED IN THIS INFORMATION PACKAGE:

- Project maps
- AUC brochure: *Participating in the AUC's independent review process to consider facility applications*
- AESO need overview

Providing your input

We will contact landowners, residents, and occupants near the proposed project to gather input and address questions or concerns.

After our consultation and notification process is complete, we will file an application with the Alberta Utilities Commission (AUC). The AUC ensures the fair and responsible delivery of Alberta's utility services and will review the application through a process in which stakeholders can participate.

We will notify stakeholders when we file the application and again once the AUC has reached a decision about the project. To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled Participating in the AUC's independent review process to consider facility applications.

OUR COMMITMENT TO SUSTAINABILITY

If the Alberta Utilities Commission (AUC) approves this project, you may see or hear construction crews in the area. We have set strict standards by which we operate, including restricting work hours to reduce the impacts to residents and businesses, ensuring safe construction practices and following environmental protection measures and appropriate environmental legislation. AltaLink believes that the environmental effects of this project will be negligible.

This project is not located on federal lands, therefore Canadian Environmental Assessment Act, 2012 does not apply. AltaLink's safety standards and practices are developed to meet or exceed government guidelines and codes to ensure that our facilities meet the requirements for public, employee and neighbouring facility safety.

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and the Personal Information Protection Act. As part of the regulatory process for new transmission projects, AltaLink may provide your personal information to Alberta Utilities Commission (AUC). For more information about how AltaLink protects your personal information, visit our website at www.altalink.ca/privacy or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

Contact us

To learn more about the proposed project please contact:

ALTALINK
1-877-267-1453 (toll free)
E-mail: stakeholderrelations@altalink.ca

To subscribe to this project:

visit www.altalink.ca/projects, search for the project title, and click 'subscribe to updates'

For more information about how AltaLink protects your personal information: visit our website at www.altalink.ca/privacy or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

To learn more about the ABO Energy project, please contact:

ABO Energy
Dave Berrade, Social Impact and Engagement Lead
Email: dave.berrade@aboenergy.com
Phone: 1-587-576-5339
Website: www.foxmeadowswind.com

To learn more about Alberta's electric system and the need for the project, please contact:

Alberta Electric System Operator
1-888-866-2959 (toll-free)
Email: stakeholder.relations@aeso.ca
Website: www.aeso.ca

The AESO is an independent, not-for-profit organization responsible for the safe, reliable, and economic planning and operation of the provincial transmission grid. For more information about why this project is needed, please refer to the AESO's Need Overview included with this package or visit www.aeso.ca. If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need you may contact the AESO directly. You can make your questions or concerns known to a transmission facility owner representative who will collect your personal information for the purpose of addressing your questions and/or concerns to the AESO. This process may include disclosure of your personal information to the AESO.

Attachment 4 – AESO Market Participant Notification Letter (July 30, 2025)

SENT VIA EMAIL

July 30, 2025

Notified Market Participant Corporate Legal Name
Address Line 1.
Address Line 2.
City, Province, Postal Code.

Dear **Notified Market Participant Primary Contact:**

Re: **Need for the Fox Meadows Wind Project Connection**

The Alberta Electric System Operator (AESO) would like to advise you that ABO Energy Canada Ltd. (ABO) has applied for transmission system access to connect its approved Fox Meadows Wind Project (Facility) to the Alberta interconnected electric system (AIES) in the AESO's Central Planning Region.

The purpose of this letter is to advise you that the AESO has identified that, under credible worse case forecast conditions, the **[Effective Generation Facility Name]** ([**Effective Generation Facility Asset ID]**) may be affected following the connection of the Facility.

Connection Assessment Findings

An engineering connection assessment was carried out by the AESO to assess the transmission system performance following the connection of the Facility. The connection assessment identified the potential for thermal criteria violations following the connection of the Facility, under credible worse case forecast conditions, with all transmission facilities in service (Category A).

Category A thermal criteria violations on the 138/144 kV (kilovolt) transmission lines 7L760 and 7L132 were exacerbated following the connection of the Facility. New Category A criteria violations were observed on the 138 kV transmissions lines 472L, 715L, 749AL, and 715AL following the connection of the Facility. Should the AESO determine that mitigation is required to address potential thermal criteria violations under Category A conditions, the AESO may develop operational procedures or other mitigation measures.

In addition, thermal criteria violations were also identified when a single transmission facility is out of service (Category B) following the connection of the Facility. To mitigate the potential Category B system performance issues, existing remedial action schemes (RASs) 134, 200, 203, 211, 204, modified RAS 238, and new RAS 213, may be used.

The AESO will make use of real-time operational measures to mitigate these potential system performance issues in accordance with Section 302.1 of the ISO rules, *Real Time Transmission Constraint Management* (TCM Rule), which is in effect today. 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 identified source assets, including the [**Effective Generation Facility Asset ID]**, which are effective in mitigating the potential transmission constraints.

For Further Information

The AESO Need Overview document is attached for your information. The AESO Need Overview describes the AESO's proposed transmission development to connect the Facility to the AIES.

The engineering connection assessment will be included in the AESO's Fox Meadows Wind Project Connection needs identification document (NID) application. Following submission of the NID application to the AUC, the NID application will be posted on the AESO website at: https://www.aeso.ca/grid/transmission-projects/. Stakeholders will be notified when this occurs via the AESO stakeholder newsletter.

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

Attachments:
AESO Need Overview: ABO Fox Meadows Wind Project Connection

Need for the Fox Meadows Wind Project Connection

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CONTACT US

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Phone: 403-539-2450

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