

APPENDIX C AESO PIP

1. Introduction

From June 2021 to February 2022, the AESO conducted a PIP to assist in preparing its application to amend the *Wheatland Wind Project Connection Needs Identification Document Approval (NID Approval Amendment)*. The AESO directed the legal owner of transmission facilities (TFO), in this case ATCO Electric Ltd., 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 September 1, 2021.

2. Stakeholder and Indigenous Group Notification

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

- a description of the need for development;
- a description of the AESO's revised 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, including the AESO's intention to apply to the Commission to amend the NID approval.

A copy of the Need Overview Update was posted to the AESO website at <https://www.aeso.ca/grid/projects/wheatland-wind-project-connection/> and a notice was published in the AESO Stakeholder Newsletter on June 24, 2021. Copies of the Need Overview Update posting and the AESO Stakeholder Newsletter notice have been included as Attachments 1 and 2, respectively. The Need Overview Update was also included with the TFO's project-specific information packages that were distributed to Stakeholders and Indigenous groups, as further described in Section 2.1.

2.1 Stakeholders and Indigenous Groups Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 800 metres of the transmission line as recommended by the Commission in Appendix A1 of AUC Rule 007¹ and any required Indigenous consultation was conducted in accordance with Appendix A1-B "*Participant involvement program guidelines for Indigenous groups*" in AUC Rule 007.

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

The TFO notified a total of approximately 16 Stakeholders, of which 3 were classified as private or individual landowners. The TFO determined that notification of Indigenous groups was not required. The other 13 notified Stakeholders are listed below:

- Alberta Culture, Multiculturalism and Status of Women
- Alberta Environment & Parks – Fish and Wildlife
- Alberta Transportation
- Canadian Natural Resources Ltd.
- Greengate Power Corp., Wheatland Wind Project Ltd
- MLA for Olds-Didsbury – Three Hills
- NAV Canada
- Potentia Renewables, Wheatland wind Project Ltd
- Rosebud Gas Co-op Ltd
- Telus Communication Inc.
- Torxen Energy Ltd
- Transport Canada, Civil Aviation/Aerodrome Safety – Edmonton
- Wheatland County

Attachment 3 includes the TFO's project update letter, which was included with the AESO Need Overview Update and distributed to the Stakeholders described above on June 15, 2021. The TFO's project update letter included the AESO's contact information, a reference to the AESO Need Overview Update, and an invitation to contact the TFO or the AESO for additional information.

3. Stakeholders Notified by the AESO

The AESO also notified one market participant that the AESO determined may have an interest in the NID Approval Amendment. The AESO identified that, under certain potential system conditions, Wintering Hills Wind Farm may be affected following the connection of the Wheatland Wind Project Plant. A Market Participant Notification Letter, which included the AESO Need Overview Update, was sent to Wintering Hills Wind Farm on December 7, 2021.

A generic version of the Market Participant Notification Letter was posted to the AESO website on December 8, 2021 at <https://www.aeso.ca/grid/projects/wheatland-wind-project-connection/> A copy has been included as Attachment 4.

4. Filing Notification

Most recently, the AESO notified Stakeholders of its intention to submit the NID Approval Amendment to the Commission by way of a website posting to the AESO website at <https://www.aeso.ca/grid/projects/wheatland-wind-project-connection/> and a publishing notice in the AESO Stakeholder Newsletter on January 13, 2022. Copies of the website posting and the AESO Stakeholder Newsletter notice have been included as Attachments 5 and 6, respectively.

5. 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 Update included this contact information, along with the AESO's mailing address (2500, 330 5th 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 Update, to the AESO.

6. Concerns and Objections Raised

The TFO has advised that Stakeholders have not identified any further concerns or objections regarding the AESO's preferred option to respond to the system access service request or the need for development. Further, the AESO has not received any indication of concerns or objections from any party about the AESO's preferred option to respond to the system access service request or the need for development.

7. List of Attachments

- Attachment 1 – AESO Need Overview Update (June 2021)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Update Notice (June 24, 2021)
- Attachment 3 – TFO's Project Update Letter (June 15, 2021)
- Attachment 4 - AESO Market Participant Notification Letter (December 7, 2021)
- Attachment 5 – AESO Notice of NID Approval Amendment Filing Website Posting (January 2022)
- Attachment 6 – AESO Stakeholder Newsletter NID Approval Amendment Filing Notice (January 13, 2022)

Attachment 1 – AESO Need Overview Update (June 2021)

Need for the Wheatland Wind Project Connection in the Dorothy area

Wheatland Wind Project Ltd. (Wheatland), has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Wheatland Wind Project (Facility) in the Dorothy area.

Distribution of the original AESO Need Overview began in June 2017 and the AESO filed a needs identification document (NID) application in November 2018. As a result of a revised proposed solution and schedule, the AESO determined that amendment to the filed NID application will be required. The AESO intends to submit the amended NID as described below.

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

REVISED PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line, to connect the Facility to the existing 144 kV transmission line 7L85 in a T-tap configuration. Originally, the Facility was proposed to connect using an in-and-out configuration.
- 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 November 2018 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 2021.
- 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 Dorothy 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)

Attachment 2 – AESO Stakeholder Newsletter Need Overview Update Notice (June 24, 2021)

June 24, 2021

AESO Stakeholder Newsletter

➤ GRID

Information Update for the Wheatland Wind Project Connection – Need for Transmission Development in the Dorothy Area

Wheatland Wind Project Ltd. (Wheatland), has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Wheatland Wind Project (Facility) in the Dorothy area.

Distribution of the original AESO Need Overview began in June 2017 and the AESO filed a needs identification document (NID) application in November 2018. As a result of a revised proposed solution and 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.

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

- Add one 144 kilovolt (kV) transmission line, to connect the Facility to the existing 144 kV transmission line 7L85 in a T-tap configuration. Originally, the Facility was proposed to connect using an in-and-out configuration.
- Add or modify associated equipment as required for the above transmission developments.

The AESO has posted a Need Overview Update for this project on its website. Please [click here](#) to view the document or visit the AESO website at www.aeso.ca and follow the path Grid > Projects > Wheatland Wind Project Connection

Attachment 3 – TFO’s Project Letter Update (June 15, 2021)

June 15, 2021

RE: Wheatland Transmission Project – Update 2

In June 2017, ATCO Electric Ltd. (ATCO) sent you information about the Wheatland Transmission Project (the Project) and met with stakeholders in the vicinity of the Project. In April 2018, ATCO provided you a project update detailing modifications to the planned facilities. At this time, we want to provide you with an update to describe further planned changes.

The Project is planned to be located approximately 10 kilometres southwest of Dorothy, AB and its purpose remains to connect a new customer wind generation facility to the electrical grid.

Project Update

There have been some engineering updates and some portions of the project are no longer required. The changes include:

- ATCO's planned Parker switching substation (2072S) and the associated electrical equipment are no longer required;
- One 144 kilovolt (kV) transmission line called 7LA85, approximately 200 metres long will be required to connect the customer's substation to the existing transmission line 7L85 in a T-tap configuration. The single transmission line will replace the two previously planned transmission lines. ATCO will require a 34 m wide right of way for the new transmission line;
- Two 144 kV line disconnect switches will be installed on new structures (464B and 464D) along the 7L85 transmission line on either side of the proposed T-tap connection point;
- A temporary bypass will be required during construction to prevent the disruption of electrical service of the 7L85 transmission line; and
- Temporary workspace areas will be required during construction. Please see the Facility Detail Map for details.

Project Schedule

ATCO plans to submit a facility application for the Project to the Alberta Utilities Commission (AUC) in fall 2021. If approval is granted by the AUC, construction activities may commence as early as April 2022, where possible. Please note that project timing and details may be adjusted as plans are finalized.

Alberta Electric System Operator

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 Update 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 an ATCO 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. The AESO can be contacted at:

Alberta Electric System Operator (AESO)
stakeholder.relations@aeso.ca
1-888-866-2959
www.aeso.ca

Next Steps

In the weeks ahead, ATCO will be contacting stakeholders on or beside the planned facilities and consultation will be conducted in an effort to reduce potential impacts. You can also provide feedback and share other information using the enclosed reply form and postage-paid envelope, by contacting us (toll free) at 1-855-420-5775, or by emailing us at consultation@atcoelectric.com.

It is important to note that AUC approval is required before ATCO can begin to construct this Project. Once the facility application is filed, you may receive a Notice of Application from the AUC providing you with information on their review and approval process. For more information about how you can participate in the AUC process, please refer to the enclosed brochure entitled *Participating in the AUC's independent review process*.

Thank you for your participation in the project so far. We appreciate you taking the time to provide us with valuable feedback. Please contact us at your earliest convenience should you have any questions or comments regarding the project.

Sincerely,



Jeff Sansom
Project Planner
ATCO Electric Ltd.
Toll Free: 1-855-420-5775
E-mail: consultation@atcoelectric.com

Enclosures:

Potential Route Mosaic Map (Update) (RS-7LA85-N3-01)
Facility Detail Map (RS-7LA85-N3-02)
AESO Needs Overview Update
AUC Brochure: Participating in the AUC's independent review process
Reply form and postage paid envelope



- Potential Transmission Structure
- Existing Transmission Structure To Be Removed
- Potential Temporary Bypass Transmission Structure
- Existing Transmission Structure Unaltered
- Potential 144 kV Temporary Bypass Transmission Route
- Potential 144 kV Transmission Line Route
- Existing 144 kV Transmission Line

ATCO

Wheatland Transmission Project

POTENTIAL ROUTE MOSAIC MAP (UPDATE)

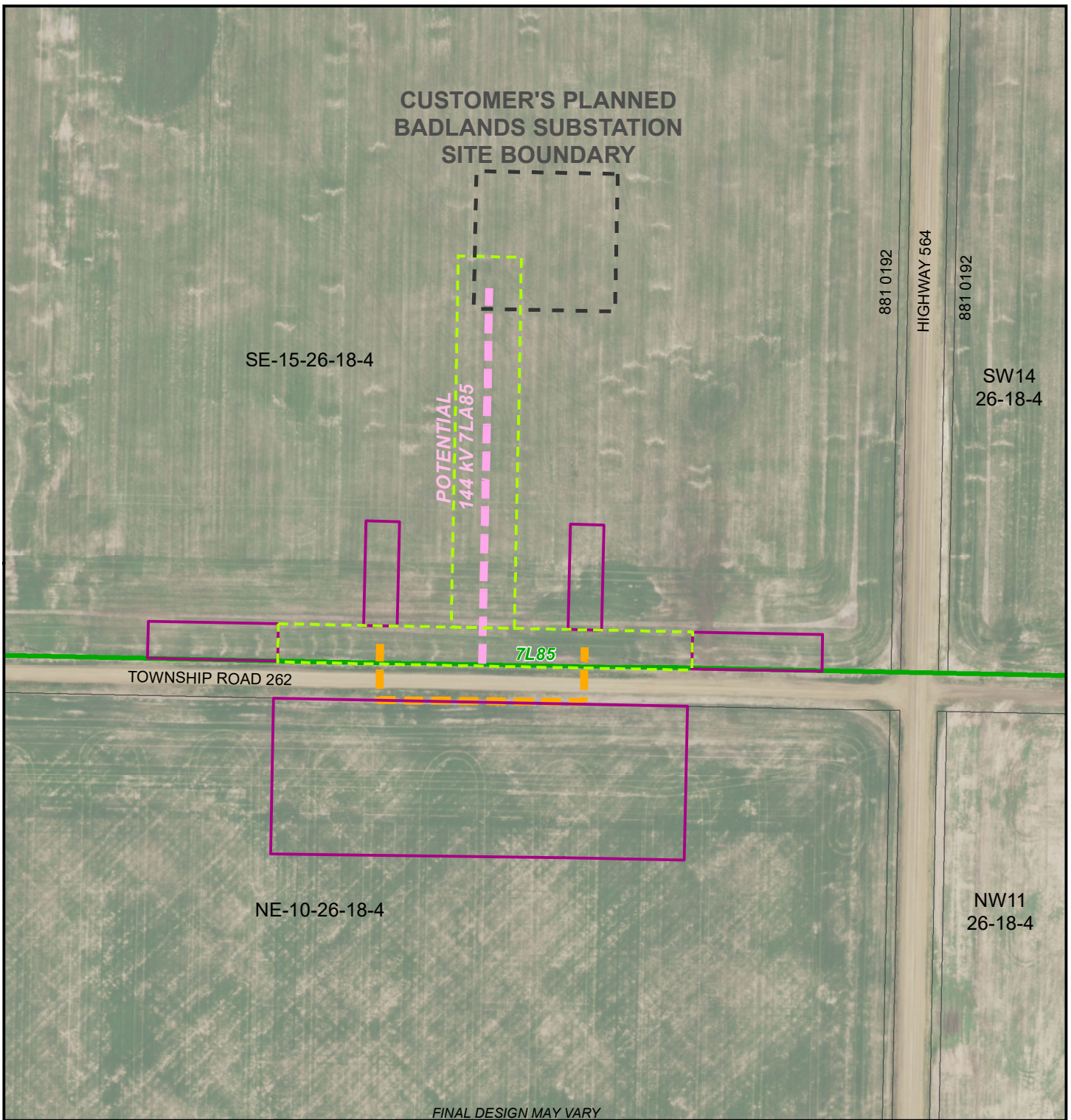
NOTES:
- Only facilities in the vicinity of the project are shown.






CREDIT NOTES
Alberta Data Partnerships, Government of Alberta, Valtus Imagery Services 2015

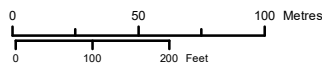
This map is the property of ATCO. This map is not intended to be used in place of Alberta One Call.

June 2021
RS-7LA85 - N3 - 01

Always practice extreme caution when near power lines!



-  Potential 144 kV Transmission Line Route
-  Potential 144 kV Temporary Bypass Transmission Route
-  Potential Right of Way
-  Potential Temporary Workspace
-  Existing 144 kV Transmission Line



NOTES:
 - Only facilities in the vicinity of the project are shown.



Wheatland Transmission Project
 FACILITY DETAIL MAP

CREDIT NOTES
 Alberta Data Partnerships, Government of Alberta, Valtus Imagery Services 2015

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June 2021

RS-7LA85 - N3 - 02

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CONTACT US

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Calgary, AB T2P 0L4
Phone: 403-539-2450

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

Step 5: Consultation and negotiation (if applicable)*

The Commission supports ongoing efforts to reach an agreeable outcome for the applicant and all affected parties. The Commission encourages the applicant and those who have filed a statement to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, those matters will typically be addressed at an AUC hearing.

Step 6: The public hearing process*

The AUC will issue a notice of hearing if there continues to be legitimate unresolved concerns with the application. The notice of hearing will provide a hearing date and location in addition to a process schedule. The AUC conducts public hearings in its Edmonton and Calgary hearing rooms and, where suitable venues exist, in communities closer to the proposed project area.

The public hearing process allows persons with standing that have unresolved concerns about the application, to express their views directly to a panel of Commission members.

An AUC hearing is a formal, evidence-based, court-like proceeding. The public can attend the hearing in person or listen to hearings online through the AUC's website.

Participants in a hearing can either represent themselves or be represented by a lawyer. In addition, participants may hire experts to assist in preparing and presenting evidence to support their position.

Cost assistance

A person determined by the Commission to be a local intervener can apply for reimbursement of reasonable costs. Those who hire a lawyer or technical experts must be aware that while reimbursement for the costs of legal and technical assistance is available under AUC Rule 009: *Local Intervener Funding*, recovery of costs is subject to the Commission assessing the value of the

contribution provided by the lawyer and technical experts. People with similar interests and positions are expected to work together to ensure that expenditures for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision

The AUC's goal is to issue its written application decision no more than 90 days after the hearing is complete. The Commission can approve, or deny an application and can also make its approval conditional upon terms or conditions. All AUC decision reports are available to any member of the public on the AUC's website or by obtaining a printed copy from the AUC.

Step 8: Opportunity to appeal

An applicant or dissatisfied participant may formally ask the Court of Appeal of Alberta for permission to appeal a Commission decision. An application for permission to appeal must be filed within 30 days from the date the decision is issued.

An applicant or dissatisfied participant can also ask the Commission to review its decision. An application to review a Commission decision must be filed within 60 days from the date the decision is issued and satisfy the limited grounds described in AUC Rule 016: *Review and Variance of Commission Decisions*.

Step 9: Construction, operation and compliance

An applicant that receives approval to build and operate a facility from the Commission must adhere to any conditions that were set out in that approval. If concerns about compliance with approval conditions and post-construction operations cannot be resolved with the applicant, they can be brought to the AUC's attention for consideration. The AUC has significant compliance and enforcement powers for all approved applications. Additional information is available on the AUC website under "Compliance and enforcement."

*Opportunity for public involvement

The Alberta Utilities Commission is an independent, quasi-judicial agency of the Government of Alberta that ensures the delivery of Alberta's utility services take place in a manner that is fair, responsible and in the public interest.

Contact us

Phone: 310-4AUC (310-4282 in Alberta)
1-833-511-4AUC (1-833-511-4282 outside Alberta)
Email: info@auc.ab.ca

Eau Claire Tower
1400, 600 Third Avenue S.W.
Calgary, Alberta T2P 0G5

106 Street Building
10th Floor, 10055 106 Street
Edmonton, Alberta T5J 2Y2

The Alberta Utilities Commission is committed to ensuring that Albertans whose rights may be directly and adversely affected by a utility development project are informed of the application and have the opportunity to have their concerns heard, understood and considered.



Participating
in the AUC's
independent
review process

Application review process

Step 1: Public consultation prior to application by proponent

Step 2: Application filed with the AUC

Step 3: Public notice issued by the AUC

Step 4: Public submissions to the AUC

Step 5: Consultation and negotiation

Step 6: The public hearing process

Step 7: The decision

Step 8: Opportunity to appeal

Step 9: Construction, operation and compliance

www.auc.ab.ca

The AUC's regulatory role in needs and facility applications and its independent review and hearing process:

The AUC uses an established process, outlined in this brochure, to review social, economic and environmental impacts of facility projects to decide if approval is in the public interest. Approvals from the AUC are required for the construction, operation, alteration and decommissioning of transmission lines and electric substations.

Approvals are required for:

- The need for transmission upgrades.
- The route and location of transmission facilities.
- The siting of power plants, including renewables such as wind and solar more than five megawatts.

Sometimes a needs application is considered together with a facility application in a single hearing; sometimes separate hearings may be held to consider each application.

Step 1: Public consultation prior to application*

Prior to filing an application with the AUC for the approval of a proposed utility development, the applicant must engage in a public consultation program in the area of the proposed project, so that concerns may be raised, addressed and, if possible, resolved.

The application guidelines and requirements for facility applications can be found in AUC Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations and Hydro Developments*, and AUC Rule 020: *Rules Respecting Gas Utility Pipelines*.

Potentially affected parties are strongly encouraged to participate in the initial public consultation, as early involvement in discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

The Alberta Electric System Operator, as the system planner, will notify potentially affected stakeholders of applications on the need for transmission development.

Step 2: Application filed with the AUC

When the participant involvement requirements have been completed, the applicant files its application with the AUC through a public filing system, called the eFiling System, on the AUC website.

The application is then reviewed to ensure the information required by the Commission is included. If the required information is not provided, the AUC may close the application or request more

information from the applicant. In the application, any issues that were raised during the public consultation and any related amendments to the proposal should be identified. All unresolved objections or concerns identified during the public consultation must be described in the application.

Step 3: Public notice

The AUC generally issues a notice by mail directly to those who live, operate a business or occupy land in the project area who may be affected by the Commission's decision on the proposed project. The notice for larger facility projects with potentially greater impacts may also be published in local newspapers.

The notice will specify a submission deadline. The information required by this deadline is general in nature as outlined in Step 4. Additional opportunities to provide evidence and additional information will arise after this deadline.

Step 4: Public submissions to the AUC*

The AUC review process is referred to as a proceeding. Anyone with unresolved objections or concerns about the application can file a brief written statement with the AUC on the proceeding. The easiest way to file a statement is to fill out the form through the eFiling System found on the AUC website. The statement must include your contact information, where you reside or own property in relation to the proposed facility, your concern or interest in the application, an explanation of your position and what you feel the AUC should decide.

The AUC uses the information it gathers through the forms to decide whether to hold a hearing on the application(s). The Commission must hold a hearing if a person can demonstrate that he or she has rights that may be directly or adversely affected by the Commission's decision on the application. Such a person is said to have standing before the Commission. If the AUC decides to hold a hearing, the AUC will provide further opportunities for participants with standing to understand the application and present their position on the application either in writing or in person.

Subject to some limited exceptions, all information and materials provided as part of an AUC proceeding will become part of the public record and will be available through the eFiling System. The AUC's treatment of some types of information as confidential is rare and only available under limited circumstances to ensure that the AUC's process is open and transparent.

AUC eFiling System

The eFiling System is the tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application and is how to provide your input to the AUC and monitor the related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.

***Opportunity for public involvement**



SHAPE THE CONVERSATION

WHEATLAND TRANSMISSION PROJECT

REPLY FORM

10035-105 Street, Edmonton, Alberta, T5J 1C8

CONTACT INFORMATION

Date (DD/MM/YYYY): _____

First Name: _____

Last Name: _____

Company/Organization Name (if applicable):

Mailing Address: _____

Home Phone: _____

Cell Phone: _____

Business Phone: _____

Please help us identify new contacts

You were contacted about this project because ATCO identified you or your company/organization as having a land interest in the vicinity of the project. Is there anyone else associated with your property, such as other owners, renters or occupants, who we should also contact? If so, please provide the name(s), contact information and their land interest.

I would like to receive all future correspondence about this project by Email (If this is your preference, please check the box)

Email: _____

AN IMPORTANT MESSAGE ABOUT PRIVACY: *The information on this form is being collected to identify concerns with proposed changes to and/or the siting of power transmission facilities, and to comply with the Alberta Utilities Commission (AUC) rules regarding the submission of transmission facilities applications. This information may be provided to electric facility owners, Alberta's Surface Rights Board, and the Alberta Electric System Operator. Your comments and personal information may also be publicly accessible through the AUC website, should it be submitted to the AUC as part of a transmission facility application – subject to Alberta's Freedom of Information and Protection of Privacy Act. If you wish to keep your information confidential, you must make a request to the AUC (403-592-4376). If you have questions or concerns about your information or how it may be used or disclosed as part of this process, please contact us (see contact information below).*

Please let us know by checking a box below if either statement applies to you:

I do not have concerns with the Project based on the information provided

I have concerns with the Project based on the information provided

Please share any comments or concerns that you have about the Project:

HOW TO SUBMIT: Please use the enclosed envelope to return by mail or fax to 780-420-5030. If you would like more information about the project, please contact us toll free 1-855-420-5775 or by Email: consultation@atcoelectric.com.

Attachment 4 – AESO Market Participant Notification Letter (December 7, 2021)

December 07, 2021

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

Dear **Notified Market Participant Primary Contact:**

Re: **Wheatland Wind Project Connection Update**

The Alberta Electric System Operator (AESO) would like to provide you with an update on the Wheatland Wind Project Connection in the AESO South Planning Region.

A copy of the AESO Need Overview Update document is attached for your information. The AESO Need Overview Update describes the AESO's revised proposed transmission development to connect the approved Wheatland Wind Project, and the AESO's next steps, which include submitting an application to amend the needs identification document approval (NID approval)¹ to the Alberta Utilities Commission (AUC).

The purpose of this letter is to advise you that the AESO has identified that, under credible worse case forecast conditions, the operation of the **[Effective Generation Facility Name] ([Effective Generation Facility Asset ID])** may be affected following the connection of the approved Wheatland Wind Project (approved Facility).²

Connection Assessment Findings

An updated engineering connection assessment was carried out by the AESO to assess the transmission system performance following the connection of the approved Facility. The connection assessment identified the potential for thermal criteria violations following the connection of the approved Facility, under credible worse case forecast conditions, with all transmission facilities in service (Category A). In addition, thermal criteria violations were also identified when a single transmission facility is out of service (Category B) following the connection of the approved 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, to address potential thermal criteria violations under Category B conditions, the AESO may make use of real-time operational procedures to mitigate these potential thermal criteria violations, in accordance with [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.

¹ On March 22, 2019, the Alberta Utilities Commission approved the AESO's Wheatland Wind Project Connection Needs Identification Document in Decision 24040-D01-2019 and NID Approval No. 24040-D02-2019.

² The studies were performed assuming the Rate STS, *Supply Transmission Service*, contract capacity of 120 MW.

The connection assessment identified source assets, including the **[Effective Generation Facility Name]** (**[Effective Generation Facility Asset ID]**), which are effective in mitigating the potential transmission constraints.

If the AESO determines that congestion will arise under Category A conditions, the AESO will make an application to the AUC to obtain approval for an “exception” under Section 15(2) of the *Transmission Regulation*. The AESO will notify market participants if and when the AESO determines it is necessary to apply to the AUC for approval of such an exception.

For Further Information

The updated engineering connection assessment will be included in the AESO’s application to amend the NID Approval. Following submission of the application to the AUC, the application will be posted on the AESO website at: <https://www.aeso.ca/grid/projects/>

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 Update: *Need for the Wheatland Wind Project Connection in the Dorothy area*

Need for the Wheatland Wind Project Connection in the Dorothy area

Wheatland Wind Project Ltd. (Wheatland), has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Wheatland Wind Project (Facility) in the Dorothy area.

Distribution of the original AESO Need Overview began in June 2017 and the AESO filed a needs identification document (NID) application in November 2018. As a result of a revised proposed solution and schedule, the AESO determined that amendment to the filed NID application will be required. The AESO intends to submit the amended NID as described below.

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

REVISED PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line, to connect the Facility to the existing 144 kV transmission line 7L85 in a T-tap configuration. Originally, the Facility was proposed to connect using an in-and-out configuration.
- 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 November 2018 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 2021.
- 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 Dorothy 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

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Attachment 5 – AESO Notice of NID Approval Amendment Filing Website Posting (January 2022)

Wheatland Wind Project Connection (1718)

Notice of NID Approval Amendment Filing

The AESO intends to file an application with the Alberta Utilities Commission (AUC) to amend the Needs Identification Document (NID) approval for the Wheatland Wind Project Connection on or after February 9, 2022.

Attachment 6 – AESO Stakeholder Newsletter NID Approval Amendment Filing Notice (January 13, 2022)

January 13, 2022

AESO Stakeholder Newsletter

GRID

Wheatland Wind Project Connection – Notice of NID Approval Amendment Filing

Wheatland Wind Project Ltd. (Wheatland), has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Wheatland Wind Project (Facility) in the Dorothy area. As the result of a revised proposed solution and schedule, the AESO determined that an amendment to its NID approval will be required.

Wheatland's request can be met by the following revised solution:

- Add one 144 kilovolt (kV) transmission line, to connect the Facility to the existing 144 kV transmission line 7L85 in a T-tap configuration. Originally, the Facility was proposed to connect using an in-and-out configuration.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file an application with the AUC to amend the Needs Identification Document (NID) approval for the Wheatland Wind Project Connection on or after February 9, 2022.

More information is available on the AESO website. Please [click here](#) to view the project page or visit the AESO website at www.aeso.ca and follow the path Grid > Projects > Wheatland Wind Project Connection to see all the relevant documents, including the application to amend the NID approval once it is filed with the AUC.