

APPENDIX C AESO PIP

1. Introduction

The AESO's Participant Involvement Program (PIP) is designed to notify the parties notified in the transmission facility owner's (TFO's) PIP and any other parties that the AESO determines may have an interest in the needs identification document, including, but not limited to:

- i. occupants, landowners or residents;
- ii. local authorities, agencies and government which have responsibilities related to electric transmission line development;
- iii. First Nations and Métis; and
- iv. market participants

(collectively, Stakeholders).

The AESO's PIP has been conducted in accordance with the requirements of Section 6.2.1, NID19 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective April 2, 2018.

From February 2019 to May 2019, the AESO conducted a PIP to assist in preparing its *Drywood Expansion Power Plant Connection Needs Identification Document* (NID). The AESO directed the TFO, in this case AltaLink Management Ltd., in its capacity as general partner of AltaLink, L.P., to assist the AESO in providing notification as part of the AESO's PIP.

2. Stakeholder Notification

The AESO developed a one-page AESO Need Overview document with the purpose of notifying Stakeholders 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, including the AESO's intention to apply to the Commission for approval of the need.

A copy of the Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/projects/drywood-expansion-power-plant-connection/> and a notice was published in the AESO Stakeholder Newsletter on February 14, 2019. 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 metres of the proposed transmission right-of-way as recommended by the Commission in Appendix A1 of AUC Rule 007.¹

The TFO notified a total of approximately 19 Stakeholders, of which 4 were classified as private or individual landowners. The other 15 notified Stakeholders and the TFO's rationale for their inclusion in the PIP are listed in Table 1.

Table 1: Summary of Notified Agency and Industry Stakeholders

Stakeholder	TFO's Rationale for Inclusion in the PIP
Alberta Culture and Tourism	Provincial requirements
Alberta Environment and Parks – Regional Approvals	Provincial requirements
Alberta Environment and Parks – Resource Management Program	Provincial requirements
Altagas Utilities Inc.	Gas Distribution Facility Owner in the project notification area
Canadian Hydro Developers Inc.	Facility Owner in the project notification area
Canadian Natural Resources Limited	Pipeline Owner in project notification area
Canadian Pacific Limited	Railway Owner in project notification area
ConocoPhillips Canada Resources Corp.	Pipeline Owner in project notification area
FortisAlberta Inc.	Distribution Facility Owner the project notification area in notification area
Municipal District of Pincher Creek	Municipal requirements
NAV CANADA	Air Navigation System requirements
Nova Gas Transmission Limited	Pipeline Owner in project notification area
Plains Midstream ULC	Pipeline Owner in project notification area
Questfire Energy Corp	Pipeline Owner in project notification area
Westlake Energy Corp	Pipeline Owner in project notification area

Attachment 3 includes the TFO's project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders described above between February 19, 2019 and March 22, 2019. The TFO's project newsletter and the AESO Need Overview were also posted on the TFO's project-specific webpage at <http://www.altalink.ca/projects/view/315/bowark-drywood-gas-generation-connection> on February 19, 2019. The TFO's project newsletter included the AESO's contact information, a description of the AESO's

¹ AltaLink 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.

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 6 market participants that the AESO determined may have an interest in the NID. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Drywood Expansion Power Plant. A Market Participant Notification Letter, which included the AESO Need Overview, was sent to the notified market participants on April 30, 2019.

The 6 notified market participants are as follows:

- Irrigation Canal Power Co-op Ltd.
- Renewable Energy Services Ltd.
- Signalta Resources
- Stirling Wind Project LP by its General Partner, Stirling Wind Project Ltd.
- Suncor Energy Inc.
- TransAlta Corporation

A generic version of the Market Participant Notification Letter was posted to the AESO website on April 30, 2019 at <https://www.aeso.ca/grid/projects/drywood-expansion-power-plant-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 to the Commission by posting a Notification of NID Filing to the AESO website at <https://www.aeso.ca/grid/projects/drywood-expansion-power-plant-connection/> and a publishing notice in the AESO Stakeholder Newsletter on May 21, 2019. Copies of the Notification of NID Filing 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 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, to the AESO.

6. Concerns and Objections Raised

One Stakeholder that received the AESO's Market Participant Notification Letter raised questions and concerns related to how its operations may be affected following the connection of the Drywood Expansion Power Plant. The AESO responded to the Stakeholder by providing information about the following:

- the timing of the AESO's forthcoming NID application;
- how to participate in the AUC proceeding;
- how the Stakeholder's operations might be affected following the connection of the Drywood Expansion Power Plant;
- how the Remedial Action Schemes (RAS's) and the *Real Time Transmission Constraint Management* (TCM) Rule apply to the Stakeholder's operations;
- the AESO's approach to long-term planning of the Alberta interconnected electric system (AIES);
- the AESO's approach to planning for connection projects; and
- the rationale for the AESO's market participant notification letter.

The Stakeholder did not have any additional questions that the AESO could address prior to filing. However, the AESO did commit to following up with the Stakeholder after the NID application is filed to discuss any further questions the Stakeholder may have.

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.

Apart from the inquiry above from the one Stakeholder, 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.

7. List of Attachments

- Attachment 1 – AESO Need Overview (February 2019)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (February 14, 2019)
- Attachment 3 – TFO's Project Newsletter – *BowArk Drywood Gas Generation Connection* (February 2019)
- Attachment 4 – AESO Market Participant Notification Letter (April 30, 2019)
- Attachment 5 – AESO Public Notification of NID Filing Website Posting (May 2019)
- Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (May 21, 2019)

Attachment 1 – AESO Need Overview (February 2019)

Need for the Drywood Expansion Power Plant Connection in the hamlet of Twin Butte area

BowArk Energy Ltd. (BowArk) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Drywood Expansion Power Plant (Facility) in the hamlet of Twin Butte area. BowArk'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 164L.
- Add or modify associated equipment as required for the above transmission development.

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2019.
- 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.

ALTALINK

- Is the transmission facility owner in the Twin Butte 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 Notice (February 14, 2019)

February 14, 2019

AESO Stakeholder Newsletter

GRID

Drywood Expansion Power Plant Connection – Need for Transmission Development in the hamlet of Twin Butte area

BowArk Energy Ltd. (BowArk) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Drywood Expansion Power Plant (Facility) in the hamlet of Twin Butte area. BowArk's request can be met by the following solution:

- Add a 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 164L.
- Add or modify associated equipment as required for the above transmission development.

The AESO has posted a Need Overview 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 > Project > Drywood Expansion Power Plant Connection.

**Attachment 3 – TFO’s Project Newsletter – BowArk Drywood Gas Generation Connection
(February 2019)**

Electric system improvements near you

BowArk Drywood Gas Generation Connection

AltaLink's transmission system efficiently delivers electricity to 85 per cent of Albertans. Dedicated to meeting the growing need for electricity, AltaLink connects Albertans to renewable, reliable and low-cost power. With a commitment to community and environment, AltaLink is ensuring the transmission system will support Albertans' quality of life for years to come. Learn more at www.altalink.ca.

You are receiving this newsletter because you are near the proposed BowArk Drywood Gas Generation Connection and we want your input.

BowArk Energy Ltd. has requested a connection to the transmission system for their proposed Harland Substation, which is part of the BowArk Drywood Expansion Power Plant Facility.

AltaLink is proposing to connect BowArk's Harland substation to the transmission system by connecting it to an existing AltaLink transmission line in the area. The proposed project is located approximately six kilometers northwest of Twin Butte and will be operated and maintained by AltaLink.

We are providing you with:

- project details
- a map of the proposed project area
- information about how you can provide your input
- the project schedule

If you have questions about the proposed Harland Substation, please see BowArk's contact information at the back of this newsletter.

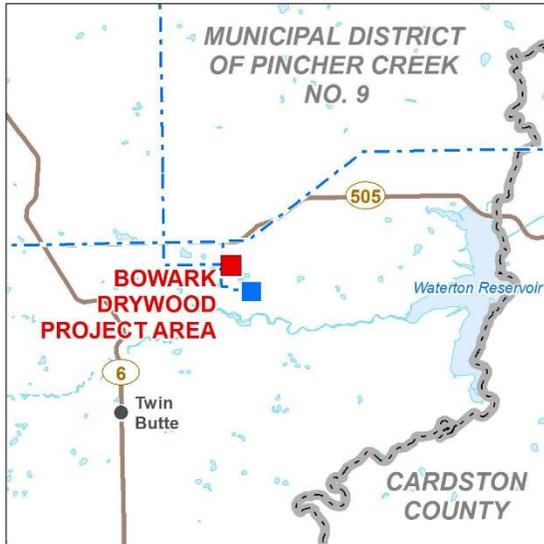
DEFINITION:

Transmission

Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used. Transmission lines transport large amounts of power over long distances from power plants across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

Contact Us

1-877-267-1453
stakeholderrelations@altalink.ca
www.altalink.ca/projects



LEGEND

- BowArk Drywood Project Area
- Existing Substation
- Existing Transmission Line
- Hamlet or Locality
- Municipal or County Boundary
- Road
- Water Body



Single-pole structure similar to the proposed



Steel H-frame structure with airbreak similar to the proposed



H-frame structure similar to the proposed

Project details

AltaLink’s proposed project involves building approximately 150 metres of new 138 kV (kilovolt) transmission line (called 164BL) to connect BowArk’s proposed Harland Substation to AltaLink’s existing 164L transmission line.

The new transmission structures will:

- be made of wood or steel
- be single-pole or H-frame
- be single circuit
- be approximately 14 to 25 metres tall
- have a right-of-way width of 20 metres

An H-frame structure with an airbreak will also be required. An airbreak is a piece of equipment that isolates portions of a transmission line so that future maintenance can be performed without the need for outages.

All proposed structure types are shown on the left.

The 164L transmission line will be modified to accommodate the connection, which may include adding new structures.

Communications equipment upgrades are required as part of this project to ensure the safe and reliable operation of the transmission system. AltaLink is proposing to install an underground fibre optic cable between the two substations. A portion of the fibre will be buried within the proposed transmission line right-of-way, and a small segment will be buried on private land and will require a right-of-way of five metres.

Please see the attached map for an overview of the project area, including the location of the proposed transmission line and fibre optic cable.

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns seriously. Everyone in our society is exposed to 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 have been conducting and reviewing research about EMF for more than 40 years. Based on this research, these organizations have not recommended the general public take steps to limit their everyday exposure to EMF from electrical facilities. If you have any questions about EMF, please contact us.

Toll-free phone number: 1-866-451-7817

Email: emfdialogue@altalink.ca

Website: www.altalink.ca/emf

Providing your input

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

After the consultation process is complete, we will file an application with the Alberta Utilities Commission (AUC). The AUC 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 *Public involvement in a proposed utility development*.

Anticipated project schedule

Notify and consult with stakeholders	Winter 2019
File application with Alberta Utilities Commission (AUC)	Spring 2019
Start construction if project is approved	October 2019
Construction completed	January 2020

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.

INCLUDED IN THIS INFORMATION PACKAGE:

- Project map
- AESO Need Overview
- AUC brochure: *Public involvement in a proposed utility development*

Contact us

To learn more about the proposed project, please contact:

ALTALINK

1-877-267-1453 (toll-free)

Email: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

To learn more about BowArk Energy Ltd.'s proposed project, please contact:

BOWARK ENERGY LTD.

Pat Bowes, VP Development

403-582-4755

Email: pbowes@bowark.com

Website: www.bowark.com

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

ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

1-888-866-2959 (toll-free)

Email: stakeholder.relations@aesocanada.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.

To learn more about the application and review process, please contact:

ALBERTA UTILITIES COMMISSION (AUC)

780-427-4903 (toll-free by dialing 310-0000 before the number)

Email: consumer-relations@auc.ab.ca

The Alberta Utilities Commission (AUC) ensures the fair and responsible delivery of Alberta's utility services. AltaLink submits applications for new transmission projects to the AUC and the AUC reviews them in a public process.

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and Alberta's 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 email privacy@altalink.ca or phone at 1-877-267-6760.

SUBSCRIBE TO THIS PROJECT

- 1) Visit: altalink.ca/projects
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

LET'S TALK TRANSMISSION



www.twitter.com/altalink



www.facebook.com/altalinktransmission

Attachment 4 – AESO Market Participant Notification Letter (April 30, 2019)

April 30, 2019

[Notified Market Participant]

[Notified Market Participant Address]

Dear **Notified Market Participant**:

Re: **Planned Generating Facility Connections in the AESO's South Planning Region**

The Alberta Electric System Operator (AESO) would like to advise you that the proponents of two planned generating facilities (planned Facilities) have each applied for transmission system access to connect their respective planned Facilities to the Alberta interconnected electric system (AIES) in the AESO's South Planning Region.

Planning for the connection of these facilities is undertaken by the AESO as part of the *AESO Connection Process*. The planned Facilities are as follows:

- the Drywood Expansion Power Plant; and
- the McLaughlin Wind Power Plant.

The AESO has produced Need Overview documents that describe the AESO's proposed transmission development to connect each of the planned Facilities to the AIES and the AESO's next steps, which includes submitting needs identification document (NID) applications to the Alberta Utilities Commission (AUC) for approval. Copies of the applicable AESO Need Overview documents are attached for your information.

The purpose of this letter is to advise you that the AESO has identified that, under some potential system conditions, the operation of the **[Notified Market Participant Facility]** may be affected following the connection of one or more of the above-noted planned Facilities.¹

Connection Assessment Findings

Engineering connection assessments were carried out by the AESO in order to assess the transmission system performance following the connection of the planned Facilities. The connection assessments identified the potential for system performance issues, under some future system conditions, following the connection of one or more of the planned Facilities.

Transmission Constraint Management

To mitigate these potential system performance issues, existing and planned remedial action schemes (RASs) may be modified.

¹ The studies were performed assuming the following Rate STS, *Supply Transmission Service*, contract capacities: the Drywood Expansion Power Plant Connection, Rate STS of 34 MW; and the McLaughlin Wind Power Plant Connection, Rate STS of 47 MW.

The AESO may also 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). 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 assessments have identified source assets, including the **[Notified Market Participant Facility]**, which are effective in mitigating the potential transmission constraints.

Renewable Generation Integration

The actual impacts of these connection projects depend on their actual energization timing, as well as the energization timing of other planned renewable generation connection projects in the area. The AESO will ensure plans are in place when impacts of the Drywood Expansion Power Plant Connection, the McLaughlin Wind Power Plant Connection, and the other planned renewable generation connection projects in the area become certain. As mentioned in the AESO's *Transmission Capability Assessment for Renewables Integration* report and addendum,² renewable integration capability could be achieved through use of RASs, which is consistent with the findings of the engineering connection assessments.

For Further Information

The engineering connection assessment will be included in the AESO's Drywood Expansion Power Plant Connection and McLaughlin Wind Power Plant Connection NID applications. Following submission of the NID applications to the AUC, the NID applications 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

Yours truly,

"Electronically signed by"

Maz Mazadi, PhD, P.Eng., SMIEEE
Manager, Project and System Access Studies

Attachments:

AESO Need Overview: *Need for the Drywood Expansion Power Plant Connection in the hamlet of Twin Butte area*

AESO Need Overview Update: *Need for the McLaughlin Wind Power Plant Connection in the Pincher Creek Area*

² Available on the AESO website at <https://www.aeso.ca/grid/long-term-transmission-plan/>

Need for the Drywood Expansion Power Plant Connection in the hamlet of Twin Butte area

BowArk Energy Ltd. (BowArk) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Drywood Expansion Power Plant (Facility) in the hamlet of Twin Butte area. BowArk'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 164L.
- Add or modify associated equipment as required for the above transmission development.

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2019.
- 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.

ALTALINK

- Is the transmission facility owner in the Twin Butte 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?

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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)

Need for the McLaughlin Wind Power Plant Connection in the Pincher Creek Area

Renewable Energy Services Ltd. (RESL) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed McLaughlin Wind Power Plant (Facility) in the Pincher Creek area.

Distribution of the original AESO Need Overview began in May 2015 and the AESO filed a needs identification document (NID) application in December 2015. As a result of a change in 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.

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

PROPOSED SOLUTION

- Add one 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 164L.
- 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 December 2015 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 early 2019.
- 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.

ALTALINK

- Is the transmission facility owner in the Pincher Creek 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.relationships@aesocanada.com
1-888-866-2959

2500, 330-5th Avenue SW
Calgary, AB T2P 0L4
Phone: 403-539-2450

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

Attachment 5 – AESO Public Notification of NID Filling Website Posting (May 2019)

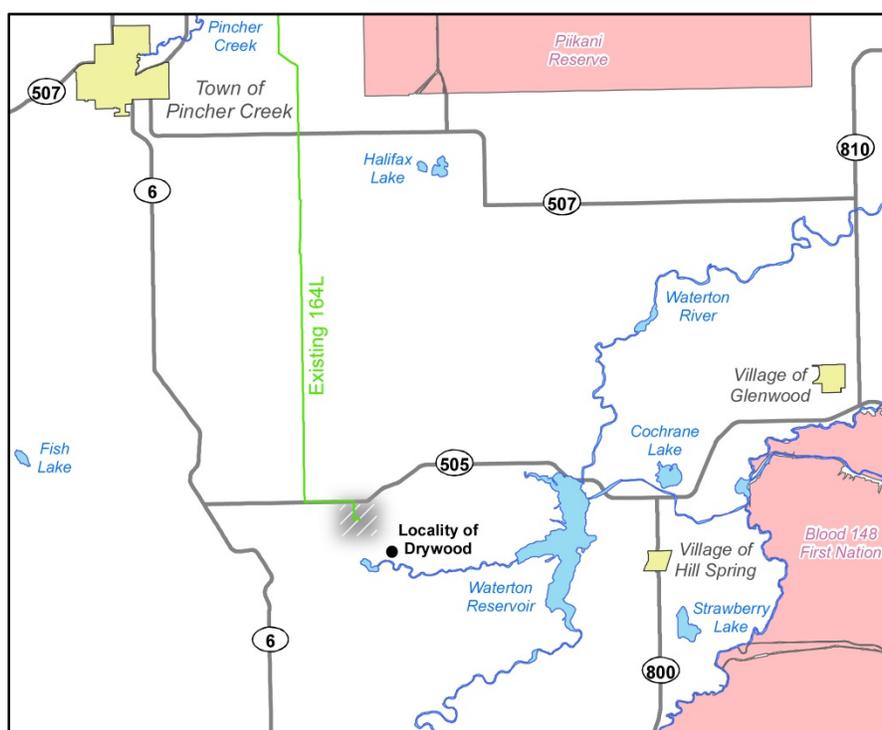
Notification of Needs Identification Document Filing

Addressing the Need for the Drywood Expansion Power Plant Connection in the hamlet of Twin Butte Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Drywood Expansion Power Plant Connection with the Alberta Utilities Commission (AUC) on or after June 5, 2019

BowArk Energy Ltd. (BowArk) has applied to the AESO for transmission system access to connect its proposed Drywood Expansion Power Plant (Facility) in the hamlet of Twin Butte area. BowArk's request can be met by the following solution:

- Add a 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 164L.
- Add or modify associated equipment as required for the above transmission development.



The shaded area on the map indicates the approximate location of the proposed transmission developments, including the 138 kV transmission line. The specific transmission facilities may extend beyond the shaded area shown.

AltaLink Management Ltd. is the transmission facility owner (TFO) in the hamlet of Twin Butte area. In February 2019, the AESO and the TFO began presenting this need to stakeholders, including residents, occupants, and landowners. The AESO will apply to the AUC for approval of the need for this transmission development. Once filed with the AUC, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/drywood-expansion-power-plant-connection/>

In a separate application, called a Facility Application, the TFO will provide more details about the specific facilities associated with the AESO's proposed transmission development, and will request AUC approval to construct and operate these facilities.

For more information, please visit our website, www.aeso.ca or contact us at 1-888-866-2959 or stakeholder.relations@aesoc.ca

Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (May 21, 2019)

May 21, 2019

AESO Stakeholder Newsletter



Drywood Expansion Power Plant Connection – Notice of NID Filing

BowArk Energy Ltd. (BowArk) has applied to the AESO for transmission system access to connect its proposed Drywood Expansion Power Plant (Facility) in the hamlet of Twin Butte area. BowArk's request can be met by the following solution:

- Add a 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 164L.
- Add or modify associated equipment as required for the above transmission development.

The AESO intends to file the Drywood Expansion Power Plant Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after June 5, 2019 requesting that the AUC approve this NID.

The AESO has posted the Notification of NID filing on its website. Please [click here](#) to view the document or visit the AESO website at www.aeso.ca and follow the path: Grid > Project > Drywood Expansion Power Plant Connection to see all the relevant documents, including the NID application once it is filed with the AUC.