



Strathcona Cogeneration Facility Connection

PIP Summary

1.0 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, Section 6.2.2, NID27 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective April 2, 2018.

From June 2018 to November 2018, the AESO conducted a PIP to assist in preparing its *Strathcona Cogeneration Facility 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.

2.0 Stakeholder Notification

The AESO developed a one-page AESO Need Overview document that notified 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/strathcona-cogeneration-facility-connection/ and a notice was published in the AESO Stakeholder Newsletter on June 19, 2018. 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 packages that were distributed to Stakeholders, as further described below.

2.1 Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 800 m of the proposed transmission right-of-way, the proposed Ursus substation and notification within 100 m of the proposed Optical Ground Wire installation as recommended by the Commission in Appendix A1 of AUC Rule 007.¹

The TFO notified a total of approximately 28 Stakeholders, of which one was classified as a private or individual landowner. The other 27 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
Access Pipeline Inc.	Pipeline Company in the project notification area
Air Products Canada Ltd.	Oil and Gas Company in the project notification area
Alberta Culture and Tourism – Landuse Planning	Provincial requirements
Alberta Parks and Environment – Fish and Wildlife	Provincial requirements
Alberta Parks and Environment – Regional Approvals	Provincial requirements
Alberta's Industrial Heartland Association	Interest Group in the project notification area County
ATCO Gas and Pipelines Ltd.	Pipeline Company in the project notification area
Aux Sable Canada Ltd.	Pipeline Company in the project notification area

¹ Inter Pipeline has identified its facility application to be of the type: Overhead or underground transmission line and/or new substation upgrades and/or minor transmission line replacements within the original right-of-way – urban, as categorized in AUC Rule 007, Appendix A1, Section 5.



Stakeholder	TFO's Rationale for Inclusion in the PIP	
Battle River Power Co-op	Distribution Facility Owner in the project notification area	
Canadian Pacific Ltd.	Railway Company in the project notification area	
City of Fort Saskatchewan	Municipal requirements	
FortisAlberta Inc.	Distribution Facility Owner in the project notification area	
Inter Pipeline Offgas Ltd.	Pipeline Company in the project notification area	
Inter Pipeline Propylene Ltd.	Pipeline Company in the project notification area	
John S. Batuik Regional Water Commission	Utility Owner in the project notification area	
Keyera Energy Ltd.	Pipeline Company in the project notification area	
Master Blasters Industrial Coatings Inc.	Industrial Coating Company in the project notification area	
NAV CANADA – AIS Data Collection Unit and Land Use Office	Air Navigation System requirements	
Northeast Capital Industrial Association	Interest Group in the project notification area County	
Pembina Pipeline Corporation	Pipeline Company in the project notification area	
Petrogas Energy Corp.	Oil and Gas Company in the project notification area	
Plains Midstream Canada ULC	Pipeline Company in the project notification area	
Sasol Canada Holdings Ltd.	Oil and Gas Company in the project notification area	



Stakeholder	TFO's Rationale for Inclusion in the PIP
Shell Canada Ltd	Oil and Gas Company in the project notification area
Strathcona County	Municipal requirements
Telus Communications Company	Communication Facility Owner in the project notification area
Transport Canada	Air Navigation System requirements

Attachment 3 includes the TFO's project newsletter, which was included in the TFO project-specific information package that was distributed to the Stakeholders described above between June 11, 2018 and August 21, 2018.

The TFO's project newsletter 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.

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/302/inter-pipeline-strathcona-cogeneration-facility-connection on June 11, 2018.

3.0 Filing Notification

The AESO originally notified Stakeholders of its intention to submit the NID to the Commission postina Notification of NID Filina to the AESO website https://www.aeso.ca/grid/projects/strathcona-cogeneration-facility-connection and a publishing notice in the AESO Stakeholder Newsletter on October 18, 2018. Subsequent to the original filing notification, the NID filing date was revised. An updated Public Notification of NID Filing was posted on the AESO website at https://www.aeso.ca/grid/projects/strathcona-cogenerationfacility-connection and included in the AESO Stakeholder Newsletter on November 27, 2018. Copies of the Notification of NID Filing postings and the AESO Stakeholder Newsletter notices have been included as Attachments 4, 5, 6 and 7 respectively.

4.0 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.



5.0 Concerns and Objections Raised

The TFO has advised that Stakeholders have not 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 from any party about the AESO's preferred option to respond to the system access service request or the need for development.

6.0 List of Attachments

- Attachment 1 AESO Need Overview (June 2018)
- Attachment 2 AESO Stakeholder Newsletter Need Overview Notice (June 19, 2018)
- Attachment 3 TFO's Project Newsletter Inter Pipeline Strathcona Cogeneration Facility Connection (June 2018)
- Attachment 4 AESO Public Notification of NID Filing Website Posting (October, 2018)
- Attachment 5 AESO Stakeholder Newsletter NID Filing Notice (October 18, 2018)
- Attachment 6 AESO Public Notification of NID Filing Website Posting (November, 2018)
- Attachment 7 AESO Stakeholder Newsletter NID Filing Notice (November 27, 2018)



Attachment 1 – AESO Need Overview (June 2018)



Need for the Strathcona Cogeneration Facility Connection in the City of Fort Saskatchewan area

Inter Pipeline Propylene Ltd. (Inter Pipeline) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Strathcona Cogeneration Facility (Facility) in the City of Fort Saskatchewan area. Inter Pipeline's request can be met by the following solution:

PROPOSED SOLUTION

- Add the Ursus 430S substation, including four 240 kilovolt (kV) circuit breakers.
- Add two 240 kV transmission lines to connect the proposed Ursus 430S substation to the existing 240 kV transmission line 997L.
- Connect the Facility to the proposed Ursus 430S substation.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in late 2018.
- 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 MANAGEMENT LTD.

- Is the transmission facility owner in the City of Fort Saskatchewan 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

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

www.aeso.ca | > @theaeso



Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (June 19, 2018)

AESO Stakeholder Newsletter

GRID

Strathcona Cogeneration Facility Connection – Need for Transmission Development in the City of Fort Saskatchewan area

Inter Pipeline Propylene Ltd. (Inter Pipeline) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Strathcona Cogeneration Facility (Facility) in the City of Fort Saskatchewan area. Inter Pipeline's request can be met by the following solution:

- Add the Ursus 430S substation, including four 240 kilovolt (kV) circuit breakers
- Add two 240 kV transmission lines to connect the proposed Ursus 430S substation to the existing 240 kV transmission line 997L
- Connect the Facility to the proposed Ursus 430S substation
- Add or modify associated equipment as required for the above transmission developments

The AESO has posted a Need Overview for this project on its website. Please <u>click here</u> to view the document or visit the AESO website at <u>www.aeso.ca</u> and follow the path Grid > Project > Strathcona Cogeneration Facility Connection.



Attachment 3 – TFO's Project Newsletter – *Inter Pipeline Strathcona Cogeneration Facility Connection* (June 2018)



You are receiving this newsletter because you are near the Inter Pipeline Strathcona Cogeneration Facility Connection and we want your input.

Inter Pipeline Propylene Ltd. (Inter Pipeline) has requested a connection to Alberta's electric system for their proposed Strathcona Cogeneration facility.

AltaLink is proposing to construct a new substation and transmission lines to connect Inter Pipeline's Central Utility Block Substation to Alberta's electric system. The proposed project is located approximately 600 metres north of the City of Fort Saskatchewan, in Strathcona County.

The new substation and transmission lines will be constructed, operated and maintained by AltaLink.

We are providing you with:

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

Learn more at www.altalink.ca.

DEFINITION:

Transmission

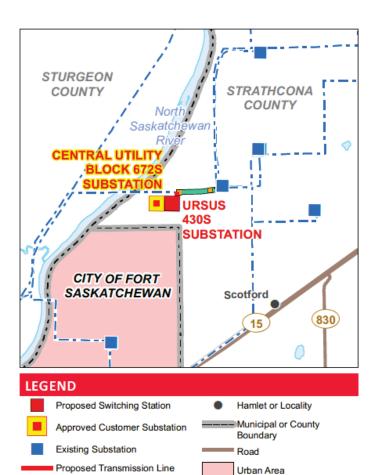
Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used. Transmission lines transport large amounts of power over long distances from power plants across the province. The transmission system connects diverse sources of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

CONTACT US

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









Proposed Optical Ground

Existing Transmission Line

Wire (OPGW)

The proposed structures may look similar to the above



Water Body

A structure with guy wires may look similar to the above

Project details

The project involves building a new substation, to be called Ursus Substation, and two single circuit 240 kilovolt (kV) transmission lines.

The proposed Ursus Substation will:

- include four 240 kV circuit breakers, associated equipment and a control building
- be located on Inter Pipeline property within a fenced area of approximately 115 by 80 metres
- be connected to Inter Pipeline's Central Utility Block Substation via a short interconnection.

To connect the proposed Ursus Substation to the electric system, Altalink is proposing to modify the 997L line, which is the south portion of the adjacent 942L/997L double circuit transmission line.

A section of the 997L transmission line will be salvaged and the remaining portion of existing transmission line to the east will be renamed 1027L. The proposed 997L and 1027L lines will both be connected to the proposed Ursus Substation, each using new sections of transmission line approximately 120 to 140 metres long.

The new sections of transmission line structures will:

- be steel and approximately 25 to 45 metres tall
- have a right-of-way width of approximately 50 metres
- be located on Inter Pipeline property and within the existing right-of-way
- potentially require guy wires at corner structures located on Inter Pipeline property or within road allowance

Communications equipment upgrades are required as part of this project to ensure the safe and reliable operation of the proposed Ursus Substation. AltaLink is proposing to install optical ground wire (OPGW) on the existing transmission line between the proposed Ursus Substation and the existing Josephburg Substation for protection and telecommunications purposes.

There may also be minor modifications required to the existing structures between the proposed Ursus Substation and the existing Josephburg Substation.

Temporary construction access and workspace will be located on Inter Pipeline property. Work related to the OPGW will occur within existing AltaLink owned rights-of-way. Please see the attached map for a detailed overview of the proposed project.





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 high voltage transmission lines. 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

Providing your input

We will contact landowners, residents and occupants near the proposed 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 when 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	Spring 2018
File application with Alberta Utilities Commission (AUC)	Fall 2018
Start construction if project is approved	Spring 2019
Construction completed	Winter 2019

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.



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/regionalprojects

To learn more about the Inter Pipeline's proposed project please contact:

INTER PIPELINE LTD.

403-290-6172

Email: consult@interpipeline.com

3200, 215-2nd Street S.W. Calgary, Alberta, T2P 1M4

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@aeso.ca

The Alberta Electric System Operator (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 you may contact the AESO directly. You can also make your concerns known to an AltaLink 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)

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

Email: stakeholder.relations@aeso.ca

Website: www.aeso.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 e-mail privacy@altalink.ca or phone at 1-877-267-6760.

INCLUDED IN THIS INFORMATION PACKAGE:

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

SUBSCRIBE TO THIS PROJECT

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

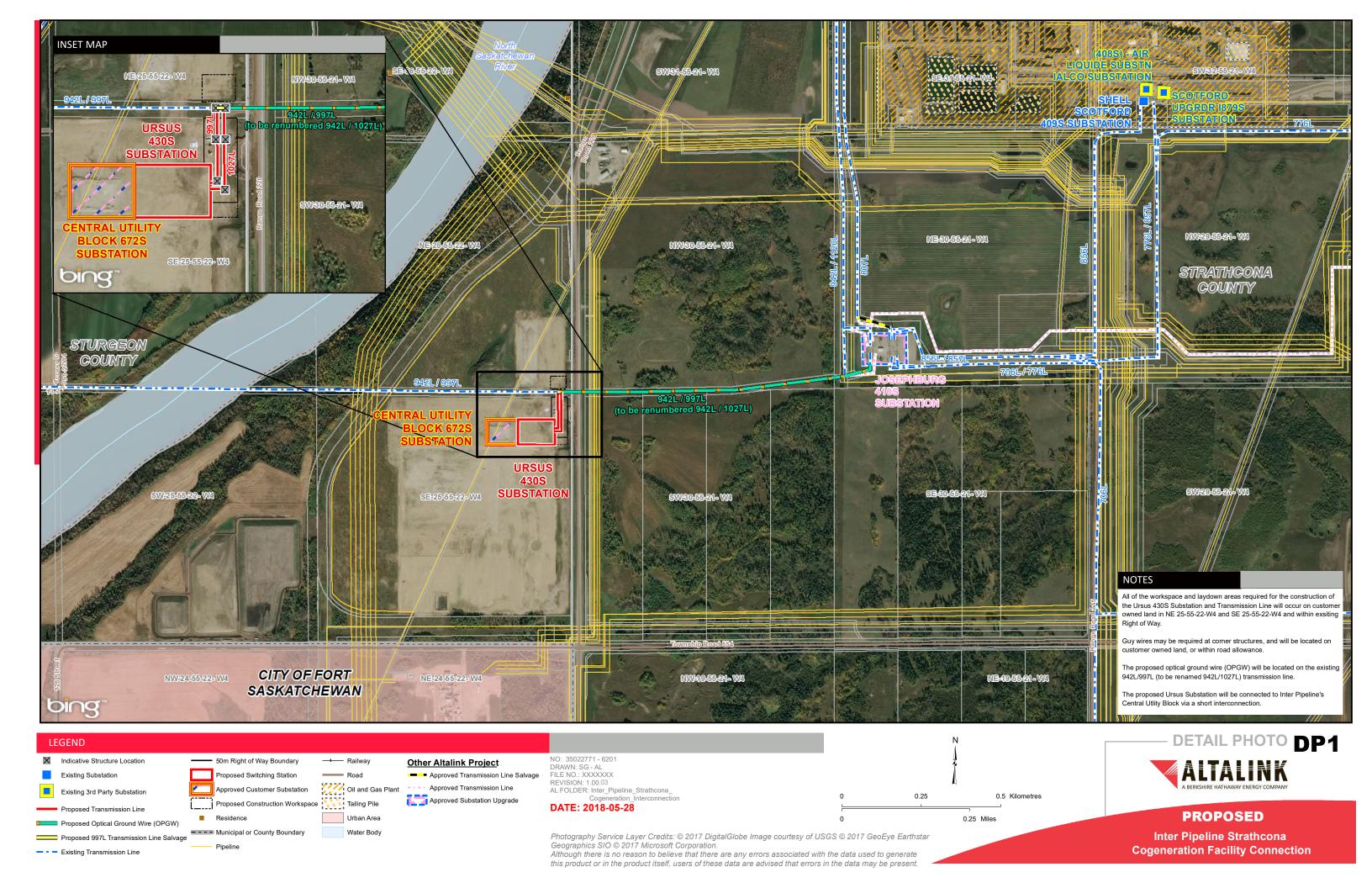
LET'S TALK TRANSMISSION



www.twitter.com/altalink



www.facebook.com/ altalinktransmission





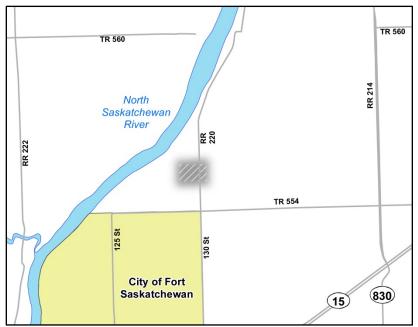


Notification of Needs Identification Document Filing Addressing the Need for the Strathcona Cogeneration Facility Connection in the City of Fort Saskatchewan Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Strathcona Cogeneration Facility Connection with the Alberta Utilities Commission (AUC) on or after November 2, 2018.

Inter Pipeline Propylene Ltd. (Inter Pipeline) has applied to the AESO for transmission system access to connect its approved Strathcona Cogeneration Facility (Facility) in the City of Fort Saskatchewan area. The Facility will be served by Inter Pipeline's approved Central Utilities Block 672S substation. Inter Pipeline's request can be met by the following solution:

- Add the Ursus 430S substation, including four 240 kilovolt (kV) circuit breakers.
- Add two 240 kV transmission lines to connect the proposed Ursus 430S substation to the existing 240 kV transmission line 997L.
- Connect the Facility to the proposed Ursus 430S substation.
- Add or modify associated equipment as required for the above transmission developments.



The shaded area on the map indicates the approximate location of the proposed transmission development, including the 240 kV transmission line and the Ursus 430S substation. The specific transmission facilities may extend beyond the shaded area shown.

AltaLink Management Ltd. is the transmission facility owner (TFO) in the City of Fort Saskatchewan area. In June 2018, 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/strathcona-cogeneration-facility-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, <u>www.aeso.ca</u> or contact us at 1-888-866-2959 or stakeholder.relations@aeso.ca



Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice (October 18, 2018)

AESO Stakeholder Newsletter

GRID

Strathcona Cogeneration Facility Connection – Need for Transmission Development in the City of Fort Saskatchewan area

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- Add or modify associated equipment as required for the above transmission developments

The AESO intends to file the Strathcona Cogeneration Facility Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after Nov. 2, 2018, requesting that the AUC approve this NID.

The AESO has posted the Notification of NID filing on its website. Please <u>click here</u> to view the document or visit the AESO website at <u>www.aeso.ca</u> and follow the path Grid > Project > Strathcona Cogeneration Facility Connection to see all the relevant documents, including the NID application once it is filed with the AUC.



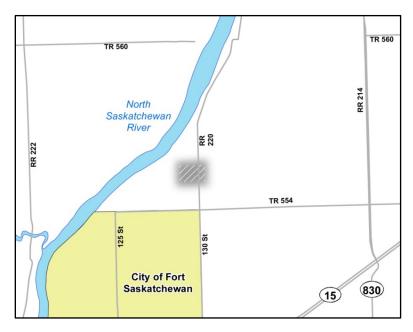


Updated Notification of Needs Identification Document Filing Addressing the Need for the Strathcona Cogeneration Facility Connection in the City of Fort Saskatchewan Area

The Alberta Electric System Operator (AESO) previously provided notice in October 2018 that it intends to file the Strathcona Cogeneration Facility Connection Needs Identification Document (NID) with the Alberta Utilities Commission (AUC). The AESO delayed the filing and has updated the planned filing date. The AESO advises you that it now intends to file a NID for the Strathcona Cogeneration Facility Connection with the AUC on or after December 12, 2018.

Inter Pipeline Propylene Ltd. (Inter Pipeline) has applied to the AESO for transmission system access to connect its approved Strathcona Cogeneration Facility (Facility) in the City of Fort Saskatchewan area. The Facility will be served by Inter Pipeline's approved Central Utilities Block 672S substation. Inter Pipeline's request can be met by the following solution:

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The shaded area on the map indicates the approximate location of the proposed transmission development, including the 240 kV transmission line and the Ursus 430S substation. The specific transmission facilities may extend beyond the shaded area shown.

AltaLink Management Ltd. is the transmission facility owner (TFO) in the City of Fort Saskatchewan area. In June 2018, 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/strathcona-cogeneration-facility-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, <u>www.aeso.ca</u> or contact us at 1-888-866-2959 of stakeholder.relations@aeso.ca



Attachment 7 – AESO Stakeholder Newsletter NID Filing Notice (November 27, 2018)

AESO Stakeholder Newsletter

GRID

Strathcona Cogeneration Facility Connection – Updated Notice of NID Filing

Inter Pipeline Propylene Ltd. (Inter Pipeline) has applied to the AESO for transmission system access to connect its approved Strathcona Cogeneration Facility (Facility) in the City of Fort Saskatchewan area. The Facility will be served by Inter Pipeline's approved Central Utilities Block 672S substation. Inter Pipeline's request can be met by the following solution:

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The AESO previously provided notice in October 2018 that it intended to file the Strathcona Cogeneration Facility Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC). The AESO delayed the filing and has updated the planned filing date. The AESO now intends to file the NID application with the AUC on or after December 12, 2018, requesting that the AUC approve this NID.

The AESO has posted the Notification of NID filing on its website. Please <u>click here</u> to view the document or visit the AESO website at <u>www.aeso.ca</u> and follow the path Grid > Project > Strathcona Cogeneration Facility Connection to see all the relevant documents, including the NID application once it is filed with the AUC.