

APPENDIX C PARTICIPANT INVOLVEMENT PROGRAM (PIP)

East Crossfield 64S Substation Upgrade

PIP Summary

1.0 Participant Involvement Program (PIP)

1.1 PIP Design

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 Rule 007 (AUC Rule 007), effective July 4, 2017.

From November 2017 to March 2018, the AESO conducted a PIP to assist in preparing its *East Crossfield 64S Substation Upgrade 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.

1.2 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 Alberta Utilities Commission (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/east-crossfield-64s-substation-upgrade/> on November 20,

2017 and a notice was published in the AESO Stakeholder Newsletter on November 21, 2017. 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.

Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 800 m of the East Crossfield 64S substation site, in accordance with AUC Rule 007.

The TFO notified a total of approximately 16 Stakeholders, of which 8 were classified as landowners. The other 8 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 Community Spirit- Land Use Planning	Provincial requirements
Alberta Environment and Parks - Fish and Wildlife	Provincial requirements
Ember Resources Ltd.	Oil and Gas facility owner in the project notification area
ExxonMobil Canada Ltd.	Oil and Gas facility owner in the project notification area
NAV CANADA	Aeronautical Requirements
Rocky View County	Municipal requirements
TAQA North	Oil and Gas facility owner in the project notification area
Telus Communications Company	Telecommunications facility owner in the project notification area

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 November 15, 2017 and January 16, 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/284/fortis-east-crossfield-substation-upgrade>

1.3 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/east-crossfield-64s-substation-upgrade/> and a publishing notice in the AESO Stakeholder Newsletter on March 13, 2018. Copies of the Notification of NID

Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4 and 5, respectively.

1.4 Responding to Questions and Concerns

To ensure that Stakeholders had the opportunity to provide feedback, the AESO provided Stakeholders with AESO contact information, including a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). The AESO Need Overview included this contact information, along with the AESO's mailing address (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.

1.5 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.

1.6 List of Attachments

- Attachment 1 – AESO Need Overview (November 2017)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (November 21, 2017)
- Attachment 3 – TFO's Project Newsletter – *Fortis East Crossfield Substation Upgrade* (November 2017)
- Attachment 4 – AESO Public Notification of NID Filing Website Posting (March 13, 2018)
- Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice (March 13, 2018)

Attachment 1 – AESO Need Overview (November 2017)

Need for Transmission Development in the Town of Crossfield Area

FortisAlberta Inc. (FortisAlberta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to reliably serve growing demand for electricity in the Town of Crossfield area. FortisAlberta's request can be met by the following solution:

PROPOSED SOLUTION

- Upgrade the existing East Crossfield 64S substation, including adding a 138/25 kilovolt (kV) transformer and two 138 kV circuit breakers.
- 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 mid-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 Town of Crossfield 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
Jennifer Vollmer
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](https://twitter.com/theaeso)

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (November 21, 2017)

November 21, 2017

AESO Stakeholder Newsletter



Need for Transmission Development in the Town of Crossfield Area

FortisAlberta Inc. (FortisAlberta) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the Town of Crossfield area.

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

- Upgrade the existing East Crossfield 64S substation, including adding a 138/25 kilovolt (kV) transformer and two 138 kV circuit breakers.
- 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 [click here](#) to view the document or visit the AESO website at www.aeso.ca and follow the path Grid > Project > East Crossfield 64S Substation Upgrade

**Attachment 3 – TFO’s Project Newsletter – *Fortis East Crossfield Substation Upgrade*
(November 2017)**

Electric system improvements near you

FortisAlberta East Crossfield Substation Upgrade

You are receiving this newsletter because you are near the Fortis East Crossfield Substation Upgrade project and we want your input.

FortisAlberta has requested upgrades to the electric system in your area to meet the growing demand for electricity. **Substation** upgrades are required to ensure residents and businesses continue to have a reliable supply of power.

We are providing you with:

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

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.

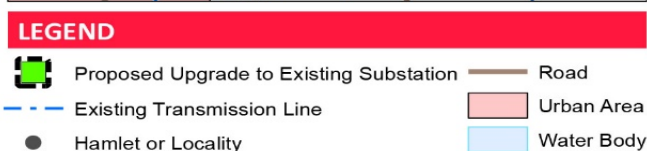
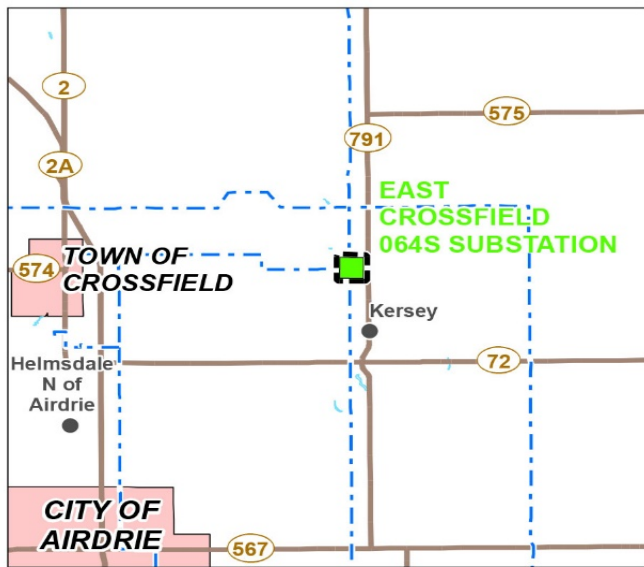
DEFINITION

Substation

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

CONTACT US

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



Above: the East Crossfield Substation



Above: the existing structure that will be replaced.

Project details

The proposed project involves equipment upgrades at the existing East Crossfield Substation, approximately 13 kilometres east of the Town of Crossfield in SE-35-28-28-W4.

The project involves adding one new 138 kV (**kilovolt**) transformer, two new 138 kV **circuit breakers**, salvaging one 138 kV circuit breaker, salvaging one 25 kV circuit breaker and adding one new **switchgear building** with four 25 kV breakers. AltaLink will be expanding the fence line approximately 35 metres by 3 metres in the south west corner of the substation.

Additionally, an existing transmission line named 752L will be re-terminated in the substation and a new single-pole wood angle structure will be installed. It will have guy wires to the east and the south. The new structure will be between 16 and 21 metres tall and will look similar to the existing structure. The existing structure and approximately 50 metres of conductor will be salvaged. The existing line will be moved approximately 25 metres to the west.

All work will take place on AltaLink owned land. A mobile substation may be used and no additional temporary workspace will be required.

Definitions

Circuit breakers are electrical switches inside a substation that protect substation equipment. Circuit breakers help ensure the safety and reliability of the electric system.

Switchgear buildings house electrical equipment such as cables, switches and breakers and ensure electrical equipment is protected.

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.

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 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	November 2017 to January 2018
File application with Alberta Utilities Commission (AUC)	April 2018
Start construction if project is approved	June 2019
Construction completed	November 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)

E-mail: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

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)

E-mail: stakeholder.relations@aeso.ca

The AESO is an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial transmission grid. For more information about why this project is needed, please refer to the AESO's Need Overview included with this package, or visit www.aeso.ca. If you have any questions or concerns about the need for this project you may contact the AESO directly. You can make your questions or 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)

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

E-mail: consumer-relations@auc.ab.ca

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. AltaLink will collect, use, and disclose personal information in accordance with AltaLink's Privacy Policy and the *Personal Information Protection Act* (Alberta). 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
- AESO Need Overview
- AUC brochure: *Public involvement in a proposed utility development*

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](https://www.facebook.com/altalinktransmission)

Attachment 4 – AESO Public Notification of NID Filing Website Posting (March 13, 2018)

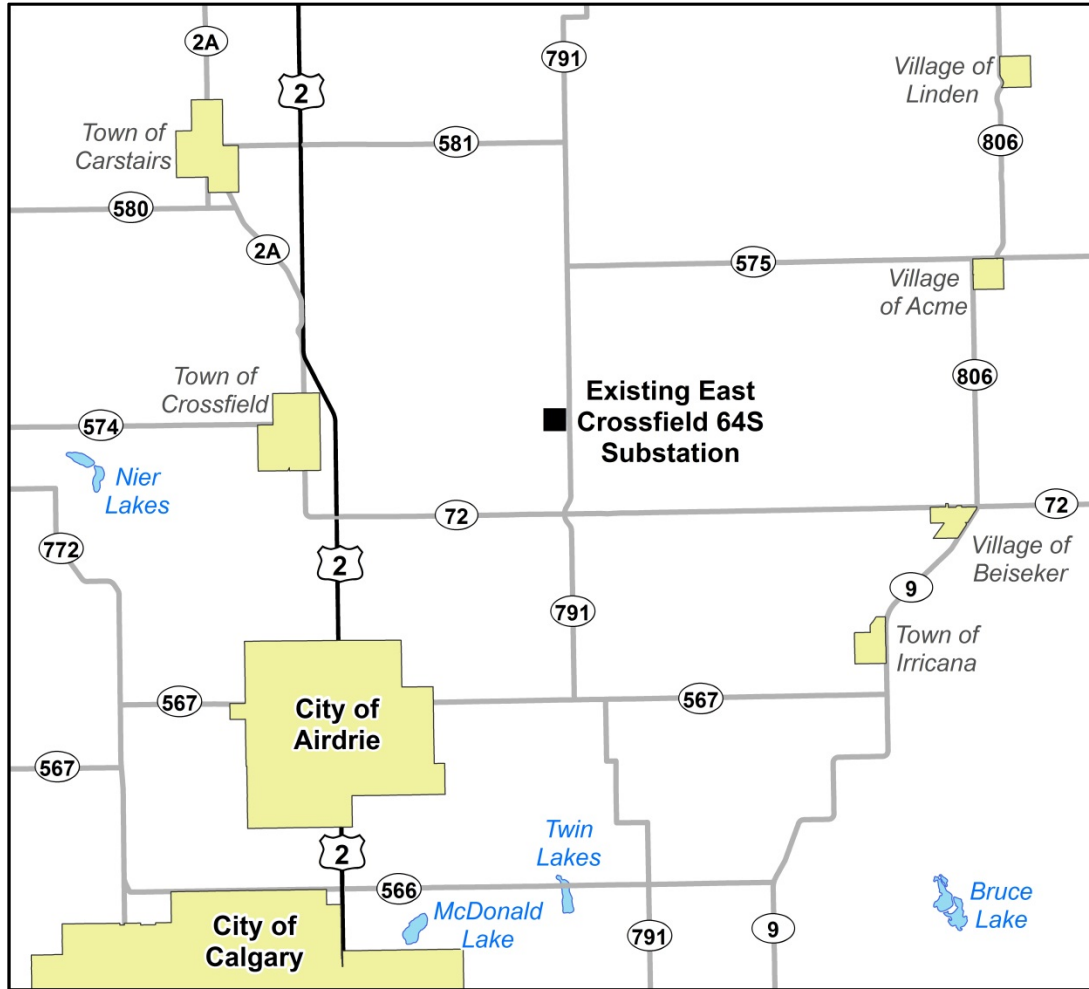
Notification of Needs Identification Document Filing

Addressing the Need for Transmission Development in the Town of Crossfield Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the East Crossfield 64S Substation Upgrade with the Alberta Utilities Commission (AUC) on or after March 28, 2018.

FortisAlberta Inc. (FortisAlberta) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the Town of Crossfield area. FortisAlberta's request can be met by the following solution:

- Upgrade the existing East Crossfield 64S substation, including adding one 138/25 kilovolt (kV) transformer and two 138 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.



The black square on the map indicates the approximate location of the existing East Crossfield 64S substation, which is located at SE-35-28-28-W4.

AltaLink Management Ltd. (AltaLink) is the transmission facility owner (TFO) in the Town of Crossfield area. In November 2017, 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/east-crossfield-64s-substation-upgrade/>

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@aeso.ca

Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice (March 13, 2018)

March 13, 2018

AESO Stakeholder Newsletter



East Crossfield 64S Substation Upgrade – Notice of NID Filing

FortisAlberta Inc. (FortisAlberta) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the Town of Crossfield area. FortisAlberta's request can be met by the following solution:

- Upgrade the existing East Crossfield 64S substation, including adding one 138/25 kilovolt (kV) transformer and two 138 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file the East Crossfield 64S Substation Upgrade Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after March 28, 2018, 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 > East Crossfield 64S Substation Upgrade to see all the relevant documents, including the NID application once it is filed with the AUC.