

APPENDIX C PARTICIPANT INVOLVEMENT PROGRAM (PIP)

Colinton 159S Substation Upgrade

Needs Identification Document

1.0 Participant Involvement Program (PIP)

From May 2015 to August 2015, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its Colinton 159S Substation Upgrade Needs Identification Document (NID). The AESO directed transmission facility owner (TFO), AltaLink Management Ltd. (AltaLink), to assist the AESO in providing notification in accordance with NID14 and Appendix A2 of Alberta Utilities Commission Rule 007.

1.1 Stakeholder Notification

The AESO's PIP was designed to notify and provide information to all occupants, residents and landowners within the notification area of the proposed development, as well as to other interested parties, including the following government bodies, agencies and other stakeholder groups (Stakeholders):

- Industry Canada
- Nav Canada
- Transport Canada Civil Aviation
- Alberta Environment and Parks, Regional Resource Management
- Alberta Environment and Parks, Regional Integrated Approvals
- Alberta Environment and Parks, Parks Land Use and Dispositions
- Alberta Transportation and Infrastructure
- Athabasca County, Planning and Development Services
- Town of Athabasca
- Fortis Alberta Inc.
- TELUS Communications Company

The AESO used a variety of methods to notify Stakeholders on the need for the Colinton 159S Substation upgrade. The AESO developed a one-page Need Overview document that described the need for the proposed transmission development. A copy of this document was posted to the AESO website at <http://www.aeso.ca/transmission/32058.html> on May 27, 2015 and a notice was published in the Stakeholder Newsletter on May 28, 2015. Copies of the need overview and the Stakeholder Newsletter posting have been included as Attachment 1 and 2, respectively.

The need overview was also included with AltaLink's project-specific information package mailed on May 27, 2015 to the Stakeholders noted above. Attachment 3 includes a copy of AltaLink's brochure.

To ensure that Stakeholders had the opportunity to provide feedback, the AESO also provided Stakeholders with a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). AESO 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 were included on the need overview related to this application.

As directed by the AESO, the TFO was prepared to direct any inquiries or concerns about the project need to the AESO. The TFO has indicated that Stakeholders have not identified any concerns or objections with the need for the proposed transmission development.

1.2 Public Notification

Most recently, the AESO published a Public Notification of NID Filing to the AESO website and in the Stakeholder Newsletter at <http://www.aeso.ca/transmission/32058.html> on July 30, 2015. Copies of the Public Notification of NID Filing and the Stakeholder Newsletter posting have been included as Attachment 4 and 5, respectively.

1.3 Concerns and Objections Raised

The AESO has received no indication of concern or objections from any party about the need for the proposed transmission development.

1.4 List of Attachments

- Attachment 1 – AESO Need Overview
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice
- Attachment 3 – AltaLink's Information Brochure – *Colinton 159S Transformer Replacement* (May 2015)
- Attachment 4 – AESO Public Notice of NID Filing (AESO Website Posting)
- Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice

Attachment 1 – AESO Need Overview

Need for the Colinton 159S Substation Upgrade in the Colinton area

Transmission Development Information for Stakeholders



FortisAlberta Inc. (FortisAlberta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve reliability in the Colinton area. FortisAlberta's request can be met by upgrading the existing Colinton 159S substation, including replacing a 138/25 kV transformer with one of higher capacity, and adding four 25 kV breakers and associated equipment.

The AESO is processing FortisAlberta's request, including providing information to landowners, occupants, residents and agencies that may be near the proposed transmission development. The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of this need in mid-2015. The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/nid at the time of its application to the AUC.

Who is the AESO?

Alberta's transmission system, sometimes referred to as the Alberta Interconnected Electric System (AIES), is planned and operated by the AESO. The transmission system comprises the high-voltage lines, towers and equipment (generally 69 kV and above) that transmit electricity from generators to lower voltage systems that distribute electricity to cities, towns, rural areas and large industrial customers.

The AESO's role is to maintain safe, reliable and economic operation of the AIES. The AESO's planning responsibility includes determining the need for transmission system development and the manner in which that need is met. The AESO is also mandated to facilitate the interconnection of qualified market participants to the AIES. The AESO is regulated by the AUC and must apply to the AUC for approval of its NID application.

How is AltaLink Management Ltd. (AltaLink) involved?

AltaLink is the transmission facility owner (TFO) in the Colinton area. While the AESO is responsible for identifying that transmission system development is needed, AltaLink is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities. The AESO has directed AltaLink to provide information to stakeholders on this need and to file a facility proposal application with the AUC which will include a detailed description and location of the proposed transmission development.

Further Information

The AESO appreciates your views on the need for transmission system development and your comments are encouraged. If you have any questions or comments regarding the need for the proposed transmission system development in the Colinton area or the AESO's application regarding this need, please contact:

Susan Haider
AESO Stakeholder Relations
1-888-866-2959
stakeholder.relations@aeso.ca
2500, 330 – 5th Avenue SW
Calgary, Alberta T2P 0L4

If you have any questions or concerns, please contact us at 1-888-866-2959 or at stakeholder.relations@aeso.ca. The AESO is committed to protecting your privacy. Your feedback, comments and/or contact information collected by the AESO will be used to respond to your inquiries and/or to provide you with further information about the project. The AESO will not use your personal information for any other purposes and will not disclose your information without consent or a legal obligation. If you choose to communicate by email, please note, email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice

Colinton 159S Substation Upgrade – Need for Transmission System Development in the Athabasca/Lac La Biche Area

FortisAlberta Inc. has applied to the AESO for transmission system access to improve reliability in the Athabasca/Lac La Biche area. FortisAlberta's request can be met by upgrading the existing Colinton 159S substation, including replacing a 138/25 kV transformer with one of higher capacity, adding four 25 kV breakers and associated equipment.

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 Transmission > Needs Identification Documents > Colinton 159S Substation Upgrade.

Attachment 3 – AltaLink’s Information Brochure – *Colinton 159S Transformer Replacement* (May 2015)



ALTALINK

A BERKSHIRE HATHAWAY ENERGY COMPANY

Electric system improvements near you

Colinton 159S Transformer Replacement

May 2015

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 Colinton 159S Transformer Replacement project and we want your input.

AltaLink is proposing **substation** upgrades to improve the reliability of the electric system in your area.

We are providing you with:

- project details
- maps of the proposed project sites
- information about how you can provide your input
- the project schedule

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/regionalprojects



Above: the existing Colinton Substation



Above: example of a 138/25 kV transformer

Project details

The proposed project involves adding new equipment to the Colinton Substation, located approximately five kilometres (three miles) west of the Town of Colinton in Athabasca County (in SE-18-65-22-W4). We are proposing to add the equipment within our existing substation, and no new land will be required. This proposed project will increase the reliability of the Colinton Substation and the electric system in the area.

If approved, the upgrades to the Colinton Substation involve replacing the transformer at the site with a new, higher capacity 138/25 kV transformer and its associated equipment. Transformers reduce the voltage of a connected transmission line so that electricity can be distributed safely to nearby communities.

We are also proposing to install a switchgear building at the site. The proposed switchgear building will occupy an area of approximately five by eight metres (15 by 25 feet) and will be approximately five metres (15 feet) tall. Additionally, four circuit breakers will be installed and energized inside the building.

A switchgear building houses electrical equipment such as cables, switches and breakers and ensures that electrical equipment is protected.

Please note that if approved, a mobile substation may be used during this project. The mobile station may be temporarily placed outside of the existing substation fence on AltaLink-owned land.

Electric and Magnetic Fields (EMF)

Altalink recognizes that people have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns very 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 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 Needs or Facilities Applications*.

Anticipated project schedule

Notify and consult with stakeholders	Spring 2015
File application with Alberta Utilities Commission (AUC)	Summer 2015
Start construction if project is approved	Spring 2016
Construction completed	Summer 2016

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/regionalprojects

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

E-mail: 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.

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

INCLUDED IN THIS INFORMATION PACKAGE:

- Project map
- AUC brochure: *Public Involvement in Needs or Facilities Applications*
- AESO Need Overview Document

PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and the Freedom of Information and Protection of Privacy 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.

DID YOU KNOW?

According to the Canadian Electricity Association, Canada's electricity grid was built for a population of about 20 million, but is today servicing around 35 million people. Provinces across Canada, including Alberta, are working to reinforce their aging electric systems so they can continue to provide customers with reliable power.

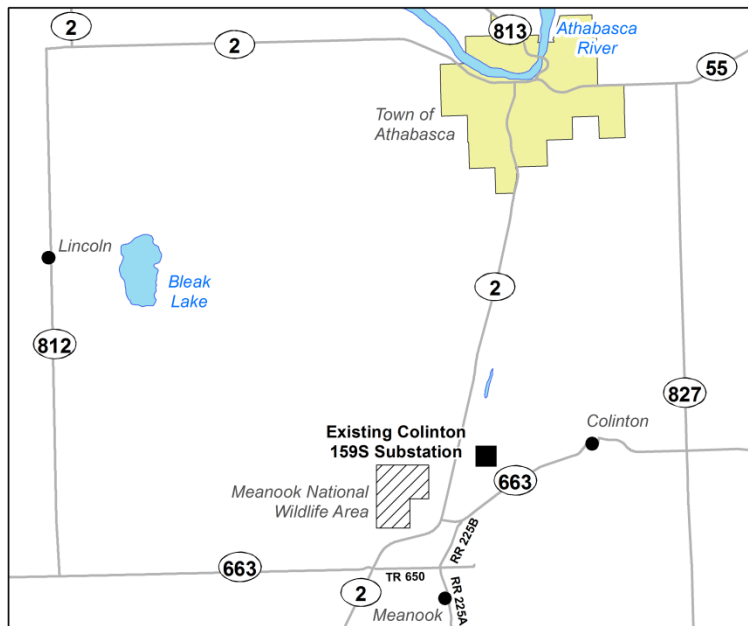
**Attachment 4 – AESO Public Notice of NID Filing (AESO
Website Posting)**

AESO Public Notification of Regulatory Filing

Addressing the Need for the Colinton 159S Substation Upgrade in the Athabasca/Lac La Biche Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Colinton substation upgrade with the Alberta Utilities Commission (AUC) on or after August 14, 2015.

FortisAlberta Inc. (FortisAlberta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve reliability in the Athabasca / Lac La Biche area. FortisAlberta's request can be met by upgrading the existing Colinton 159S substation, including replacing a 138/25 kV transformer with one of higher capacity, and adding associated equipment.



The black square on the map indicates the approximate location of the Colinton 159S Substation, which is at 18-65-22-W4 or about five kilometres west of the Town of Colinton. In a separate application called a Facility Application, AltaLink Management Ltd. (AltaLink) the transmission facility owner (TFO) in the Athabasca/Lac La Biche area, will describe the specific upgrades to be performed and request AUC approval to construct and operate the specific transmission facility.

The AESO and AltaLink presented this need to stakeholders, including residents, occupants and landowners, from May 2015 to July 2015. The AESO has considered feedback gathered from stakeholders, and technical and cost considerations, and will apply to the AUC for approval of the need for this transmission development. Once filed, the NID will be posted on the AESO website at <http://www.aeso.ca/transmission/32058.html>

Please visit our website, www.aeso.ca for more information, or contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca

Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice

Colinton 159S Substation Upgrade – Notice of NID Filing

FortisAlberta Inc. has applied to the AESO for transmission system access to improve reliability in the Athabasca / Lac La Biche area. FortisAlberta's request can be met by upgrading the existing Colinton 159S substation, including replacing a 138/25 kV transformer with one of higher capacity, and adding associated equipment.

The AESO will be filing the Colinton 159S substation upgrade Needs Identification Document (NID) application with the Alberta Utilities Commission on or after August 14, 2015 and requesting that the Commission approve this NID.

The AESO has posted the public notification for its NID filing on its website for the Colinton 159S substation upgrade. Please [click here](#) to view the document or visit the AESO website at www.aeso.ca and follow the path Transmission > Needs Identification Documents > Colinton 159S Substation Upgrade to see all the relevant documents, including the NID application once it is filed with the Commission.