

APPENDIX B PARTICIPANT INVOLVEMENT PROGRAM (PIP)

Amendment to the Grist Lake 190S Substation Approval

1.0 Participant Involvement Program (PIP)

From August 2016 to December 2016, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its Amendment to the Alberta Utilities Commission Grist Lake 190S Substation Approval No. U2014-166 (Amendment). The AESO directed the transmission facility owner (TFO), in this case AltaLink Management Ltd. (AltaLink), in its capacity as general partner of AltaLink, L.P., to assist the AESO in providing notification as part of the AESO PIP.

The AESO PIP was conducted in accordance with the requirements of Section 6.2.1, NID19 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007, effective February 1, 2016.

1.1 Stakeholder Notification

The AESO PIP was designed to notify the parties notified in the TFO's PIP, including but not limited to:

- i. Alberta Environment and Parks as the land use authority for the existing Crown land disposition for the Grist Lake 190S substation;
- ii. landowners, Crown lease holders, and trappers;¹
- iii. local authorities, agencies and government which have responsibilities related to electric transmission line development;
- iv. Indigenous communities including First Nations and Métis; and
- v. market participants

(collectively, Stakeholders).

The AESO did not identify any other parties outside of the TFO's PIP that required notification.

The AESO developed a one page Need Overview Update that notified Stakeholders of the original approval, nature of the Amendment, and the AESO's intention to submit the

¹ No residents or occupants were identified.

Amendment to the Commission. The Need Overview Update also included AESO contact information, including telephone, email and website, for further information.

A copy of the Need Overview Update was posted to the AESO website at <https://www.aeso.ca/grid/projects/grist-lake-190s-substation/> on August 15, 2016 and a notice was published in the AESO Stakeholder Newsletter on August 18, 2016. Copies of the Need Overview Update posting and the AESO Stakeholder Newsletter notice are included as Attachments 1 and 2, respectively. The Need Overview Update was also included with the TFO's updated project-specific information packages that were distributed to Stakeholders between August 9, 2016 and October 7, 2016. The notified Stakeholders included the following interested parties.

- Indigenous Communities
 - Athabasca Landing Metis Local #2010
 - Beaver Lake Cree Nation
 - Buffalo Lake Metis Local #2002
 - Buffalo Lake Metis Settlement
 - Chipewyan Prairie Dene First Nation
 - Chipewyan Prairie Industry Relations Corporation
 - Christina River Dene Nation
 - Cold Lake First Nation
 - Conklin Metis Local #193
 - Elizabeth Metis Settlement
 - Fishing Lake Metis Settlement
 - Fort McKay Metis Local #63
 - Fort McMurray Metis Local #1935
 - Heart Lake First Nation
 - Kikino Metis Settlement
 - Lac La Biche Metis Local #2097
 - Lakeland Metis Local #1909
 - Metis Nation of Alberta
 - Metis Nation of Alberta Region 1
 - Metis Nation of Alberta Region 2
 - Owl River Metis Local #1949
 - Willow Lake Metis Local #780
- Transport Canada
- Alberta Culture and Tourism
- Alberta Environment and Parks – Resource Management Program
- Alberta Environment and Parks – Regional Approvals
- Lac La Biche County
- Alberta Pacific Forest Company
- Devon Canada Corporation

- Enbridge Pipelines Ltd.
- FortisAlberta Inc.
- Inter Pipeline Ltd.
- NAV Canada
- TransCanada Pipeline Ltd.
- Plains Midstream Canada ULC

Attachment 3 includes the TFO Notice of Amendment which was included in the TFO project-specific information packages. The TFO Notice of Amendment included a description of the AESO's role and an invitation to contact the TFO for additional information. The TFO Notice of Amendment and AESO Need Overview Update were posted to the TFO project webpage at <http://www.altalink.ca/projects/view/86/grist-lake-substation-and-transmission-line>

1.2 Filing Notification

Most recently, the AESO notified Stakeholders of its intention to submit the Amendment to the Commission by posting a Notice of NID Filing to the AESO website at <https://www.aeso.ca/grid/projects/grist-lake-190s-substation/> on November 24, 2016 and a notice in the AESO Stakeholder Newsletter on November 24, 2016. Copies of the Notice of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4 and 5, respectively.

1.3 Responding to Questions and Concerns

To ensure that Stakeholders had the opportunity to provide feedback, the AESO 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 in the Need Overview Update.

As directed by the AESO, the TFOs were prepared to direct any Stakeholder questions addressed to the AESO, or questions about the Need Overview Update, to the AESO.

1.4 Concerns and Objections Raised

The TFO has advised the AESO that Stakeholders have not identified any concerns with or objections to the need for development or the Need Overview Update. The AESO has not received any indication of concerns or objections from any party about the need for development or the Amendment.

1.4 List of Attachments

- Attachment 1 – AESO Need Overview Update
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice
- Attachment 3 – TFO’s Notice of Amendment – (August 10, 2016)
- Attachment 4 – AESO Public Notification of NID Filing (AESO Website Posting)
- Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice

Attachment 1 – AESO Need Overview Update

Need for the Grist Lake 190S Substation in the Christina Lake Area



FAST FACT

Alberta's electric transmission system comprises the towers, wires and related equipment that are a part of moving electricity from where it is generated to where it is used.

The Alberta Electric System Operator (AESO) advises you of its intent to file an application with the Alberta Utilities Commission (AUC) to amend the Grist Lake 190S Substation Needs Identification Document Approval No. U2014-166 (Grist Lake NID Approval).

> BACKGROUND

- The Grist Lake NID Approval includes the new Grist Lake 190S substation with three 138/25 kV transformers and two new 138 kV transmission lines connecting the Grist Lake 190S substation to the transmission system. These transmission facilities were proposed for 2016 in response to a transmission system access request from FortisAlberta Inc.
- FortisAlberta Inc. has requested to delay development of the Grist Lake 190S substation and two 138 kV transmission lines until 2019. The number of transformers at the substation will also change from three to two 138/25 kV transformers.

> NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of this amendment in late-2016.
- The AESO's amendment to the Grist Lake NID Approval will be available on the AESO's website at www.aeso.ca/nid 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 Christina Lake Area.
- Is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications

> CONTACT US

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.

Alberta Electric System Operator
Jennifer Vollmer
AESO Stakeholder Relations
stakeholder.relations@aes0.ca
1-888-866-2959

2500, 330-5th Avenue SW
Calgary, AB T2P 0L4
Phone: 403-539-2450
Fax: 403-539-2949

www.aeso.ca
www.poweringalberta.ca
 @theaes0

> WHO IS THE AESO?

The Alberta Electric System Operator (AESO) is a not-for-profit organization with no financial interest or investment of any kind in the power industry. We plan and operate Alberta's electricity grid and wholesale electricity market safely, reliably and in the public interest of all Albertans.

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 purpose 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

Amendment to the Grist Lake 190S Substation Needs Identification Document Approval No. U2014-166

The Alberta Electric System Operator (AESO) advises you of its intent to file an application with the Alberta Utilities Commission (AUC) to amend the Grist Lake 190S Substation Needs Identification Document Approval No. U2014-166 (Grist Lake NID Approval). The amendment will seek approval to delay the transmission development proposed in the Grist Lake NID Approval and to reduce the number of transformers at the proposed Grist Lake 190S Substation from three to two 138/25 kV transformers.

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 > Grist Lake 190S Substation.

Attachment 3 – TFO’s Notice of Amendment – (August 2016)

August 10, 2016

**Grist Lake Substation and Transmission Line:
Notice of amendment**

Thank you for your ongoing participation in the Grist Lake Substation and Transmission Line project. On April 30, 2014, the Alberta Utilities Commission (AUC) approved the project in Decision 2014-119 and issued permits AltaLink to complete the project and licences to operate the facilities. AltaLink plans to submit an amendment to the AUC for minor changes to the approved project and we would like to provide you with an update.

The changes have been requested by FortisAlberta Inc., the power distributor in the area, to meet the energy requirements of Devon Canada Corporation's proposed steam assisted gravity drainage facility. These minor project changes are outlined below. Please also see the attached map for an overview of the project area.

Proposed changes

Two minor changes are proposed.

First, we propose to change the in-service date of the project from July 2016 to December 2019. In the notice of project approval (mailed to stakeholders in May 2014) we stated that the project was scheduled to be complete in July 2016.

Second, we propose to reduce the equipment proposed for, and the size of, the Grist Lake Substation. We are proposing to install two 138/25 kilovolt (kV) transformers instead of the previously approved three and two switchgear buildings instead of the approved four. As a result of these changes, the fence line area of the substation will be reduced from the approved 70 by 90 meters to 70 by 60 meters.

We do not believe these minor changes to the project create any additional impacts to stakeholders. We are not proposing any changes to the approved transmission line component of the project or the Pike Lake Substation.

Project background

The Grist Lake Substation and Transmission Line project will connect Devon Canada Corporation's proposed steam assisted gravity drainage facility to Alberta's electric system. The project is located approximately 30 kilometers southeast of Conklin, between NE-26-74-6-W4 and SW-17-74-5-W4, and includes:

- a new substation (called Grist Lake Substation)
- modifications to the proposed Pike Lake Substation (the Pike Lake Substation was constructed as part of AltaLink's Christina Lake Area Transmission Development)
- approximately 6.5 kilometers of new 138 kV double circuit transmission line (called 476/477L) to connect the Grist Lake Substation to the Pike Lake Substation

Alberta Electric System Operator (AESO)

The AESO is an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial transmission grid. If you have any questions or concerns about the amendments to the Need for this project you may contact the AESO directly. You can also 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.

Project schedule

Construction start	December 2014
Notify and consult with stakeholders regarding amendment	August 2016
File amendment with Alberta Utilities Commission (AUC)	September 2016
Construction completed	December 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

We are available to address any questions or concerns you may have regarding the proposed amendments to the project scope. Please contact us at stakeholderrelations@altalink.ca or 1-877-269-5903. Further information about this project is available on www.altalink.ca/projects.

Sincerely,



Dave Lee
Manager, Stakeholder Engagement

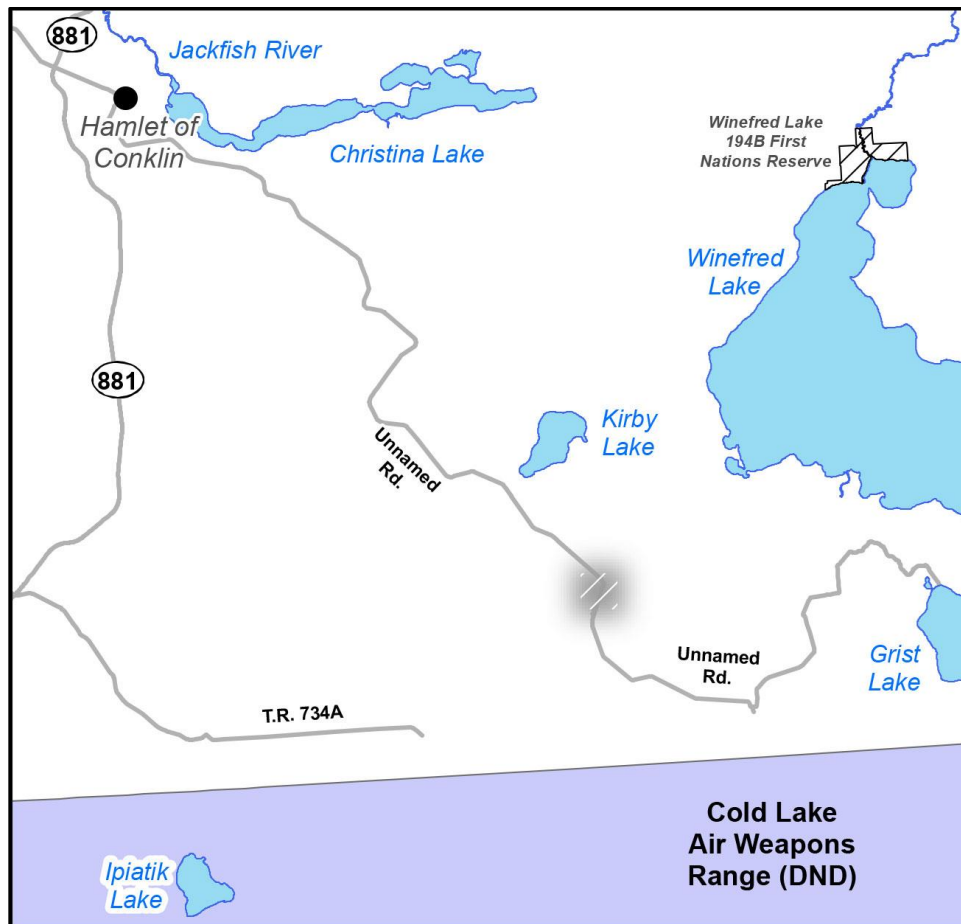
Attachment 4 – AESO Public Notification of NID Filing (AESO Website Posting)

AESO Public Notification of NID Filing

Addressing the Need for the Grist Lake 190S Substation in the Christina Lake Area

The Alberta Electric System Operator (AESO) advises you that it intends to file an application with the Alberta Utilities Commission (AUC) to amend the Grist Lake 190S Substation Needs Identification Document Approval No. U2014-166 (Grist Lake NID Approval) **on or after December 9, 2016.**

The Grist Lake NID Approval includes the new Grist Lake 190S substation with three 138/25 kV transformers and two new 138 kV transmission lines connecting the Grist Lake 190S substation to the transmission system. These transmission facilities were proposed for 2016 in response to a transmission system access request from FortisAlberta Inc. FortisAlberta Inc. has requested to delay development of the Grist Lake 190S substation and the two 138 kV transmission lines until 2019. The number of transformers at the substation will also change from three to two 138/25 kV transformers.



The shaded area on the map indicates the approximate location of the Grist Lake Substation, which is at SW-17-74-5-W4. In a separate application called a Facility Application, AltaLink Management Ltd. (AltaLink), the transmission facility owner (TFO) in the Christina Lake area, will describe the specific developments 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 August 2016 to October 2016. 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 it is filed, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/grist-lake-190s-substation/>

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**

Grist Lake 190S Substation – Notice of NID Filing

The Alberta Electric System Operator (AESO) advises you of its intent to file an application with the Alberta Utilities Commission (AUC) to amend the Grist Lake 190S Substation Needs Identification Document Approval No. U2014-166 (Grist Lake NID Approval). The Grist Lake NID Approval includes the new Grist Lake 190S substation with three 138/25 kV transformers and two new 138 kV transmission lines connecting the Grist Lake 190S substation to the transmission system. These transmission facilities were proposed for 2016 in response to a transmission system access request from FortisAlberta Inc. FortisAlberta Inc. has requested to delay development of the Grist Lake 190S substation and two 138 kV transmission lines until 2019. The number of transformers at the substation will also change from three to two 138/25 kV transformers.

The AESO intends to file the Grist Lake 190S Substation Needs Identification Document (NID) application with the Alberta Utilities Commission on or after December 9, 2016, requesting that the Commission approve this NID.

The AESO has posted the public notification for its 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 > Projects > Grist Lake 190S Substation to see all the relevant documents, including the NID application once it is filed with the Commission.