

AESO PIP SUMMARY

Mount Allan 115S 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).

From July 2018 to September 2018, the AESO conducted a PIP regarding the Mount Allan Substation Upgrade project. The AESO directed the TFO, in this case AltaLink Management Ltd., 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 approve the request for system access service under the abbreviated needs approval process (ANAP) or 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/mount-allan-115s-substation-upgrade/> and a notice was published in the AESO Stakeholder Newsletter on July 10, 2018. Copies of the Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Appendix A and B, respectively. The Need Overview was also included with the TFO's project-specific information packages that were distributed to Stakeholders, as further described below.

1.3 Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 200 m of the proposed substation upgrade in accordance with AUC Rule 007.¹

The TFO notified a total of nine Stakeholders, one of which is a private individual that holds trapping rights within the notification area. The remaining eight Stakeholders and the TFO's rationale for their inclusion in the PIP are listed in Table 1.

Table 1: Summary of Notified 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 – Regional Approvals (Acting)	Provincial requirements
Alberta Environment and Parks – Parks Ecology	Provincial requirements
Kananaskis Improvement District	Provincial requirements
Resorts of the Canadian Rockies Inc.	Encumbrance holders
Sundance Lodges Ltd	Encumbrance holders
Telus Communications Company	Communication Facility owner in the project notification area

Appendix C 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 July 6, 2018 and August 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/306/fortisalberta-kananaskis-reliability-upgrade> on July 6, 2018.

1.4 ANAP Consideration Notification

Most recently, the AESO notified Stakeholders of its intention to consider the need for the Mount Allan Substation Upgrade for approval under section 501.3 of the ISO rules, *Abbreviated Needs*

¹The TFO has identified its facility application to be of the type: *Substation developments within existing facilities, where there is no change in the substation fence line and which create minimal visual or noise impact - rural and industrial*, as categorized in AUC Rule 007, Appendix A1 Section 5.

Approval Process (ANAP Rule). The AESO posted a notification of the AESO's intention to consider the Mount Allan Substation Upgrade for approval under the ANAP Rule to the AESO website at <https://www.aeso.ca/grid/projects/mount-allan-115s-substation-upgrade/> on September 25, 2018 and a published notice in the AESO Stakeholder Newsletter on September 25, 2018. Copies of the Notification posting and the AESO Stakeholder Newsletter notice have been included as Appendix D and E, respectively.

1.5 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.

1.6 Concerns and Objections Raised

The TFO has advised that Stakeholders have not identified any concerns or objections with the need for development or the AESO's preferred option to respond to the system access service request.

One stakeholder raised questions about substation loading and project costs to the AESO directly. The AESO responded by providing additional information to the stakeholder.

Apart from this inquiry, the AESO has not received an indication of any other concerns or objections from any party about the need for development or the AESO's preferred option to respond to the system access service request.

1.7 List of Appendices

- Appendix A – AESO Need Overview (July 2018)
- Appendix B – AESO Stakeholder Newsletter Need Overview Notice (July 10, 2018)
- Appendix C – TFO's Project Newsletter – *FortisAlberta Kananaskis Reliability Upgrade Project* (July 2018)
- Appendix D – AESO Public Notification of NID Filing Website Posting (September 2018)
- Appendix E – AESO Stakeholder Newsletter NID Filing Notice (September 25, 2018)

Appendix A – AESO Need Overview (July 2018)

Need for the Mount Allan 115S Substation Upgrade in the Kananaskis Village 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 Kananaskis Village area. FortisAlberta's request can be met by the following solution:

PROPOSED SOLUTION

- Upgrade the existing Mount Allan 115S substation, including replacing one existing 138/25 kilovolt (kV) transformer with a 138/25 kV transformer of higher capacity and adding two 138 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- The AESO intends to approve this request for transmission system access under the abbreviated needs approval process (ANAP) in late-2018.
- The AESO's ANAP Approval Letter and supporting material will be available on the AESO's website at www.aeso.ca/grid/projects at the time of its approval.
- Alternatively, the AESO may submit a needs identification document (NID) to the Alberta Utilities Commission (AUC) for approval. Once submitted, the NID will be posted on the AESO's website at www.aeso.ca/grid/projects.

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.
- Can approve certain requests for system access service through the ANAP. If this project no longer qualifies for approval under the ANAP, the AESO will prepare and submit a NID.
- Is regulated by the AUC and must apply to the AUC for approval of its NID.

ALTALINK

- Is the transmission facility owner in the Kananaskis Village 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](https://twitter.com/theaeso)

Appendix B – AESO Stakeholder Newsletter – Need Overview Notice (July 10, 2018)

July 10, 2018

AESO Stakeholder Newsletter

GRID

Mount Allan 115S substation upgrade – Need for Transmission Development in the Kananaskis Village area

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

- Upgrade the existing Mount Allan 115S substation, including replacing one existing 138/25 kilovolt (kV) transformer with a 138/25 kV transformer of higher capacity and adding 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 > Mount Allan 115S Substation Upgrade.

Appendix C – TFO's Project Newsletter – *FortisAlberta Kananaskis Reliability Upgrade Project* (July 2018)



July 2018

Electric system improvements near you

FortisAlberta Kananaskis Reliability Upgrade Project

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 FortisAlberta Kananaskis Reliability Upgrade Project and we want your input.

FortisAlberta has requested upgrades to a **substation** in your area to meet the growing demand for electricity. These upgrades are required to maintain the safety and reliability of the electric system.

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

DEFINITION:

Substation

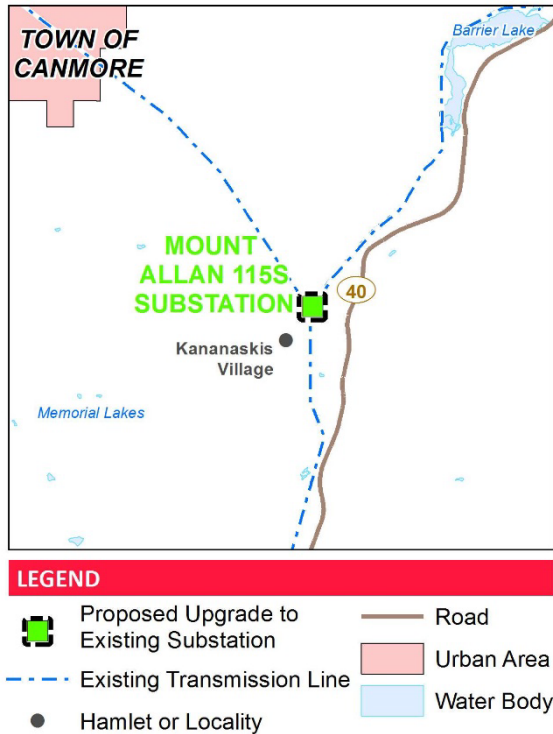
Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power.

CONTACT US

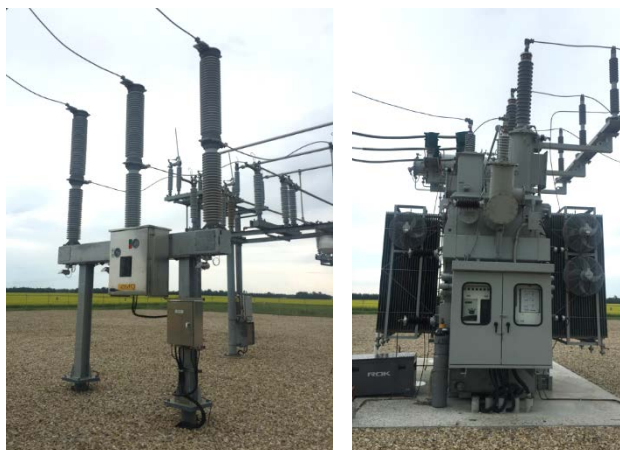
1-877-267-1453

stakeholderrelations@altalink.ca

www.altalink.ca/projects



The existing Mount Allan Substation



*Left: A typical 138 kV circuit breaker
Right: A typical 138/25 kV transformer*

Project details

The proposed project involves equipment upgrades at the existing Mount Allan Substation, located approximately two kilometres north of Kananaskis Village in SW 13-23-9-W5M, within the Evan Thomas Provincial Recreation Area.

AltaLink is proposing the following modifications to the existing Mount Allan Substation:

- replacing one existing 138/25 kilovolt (kV) transformer with a new higher capacity 138/25 kV transformer
- adding two 138 kV circuit breakers and associated equipment
- adding two 25 kV circuit breakers and associated equipment
- adding one new control building

All work will take place on AltaLink-leased land and no fence expansion will be required for this project.

Definitions

Transformers step down the voltage in a substation so power can be distributed safely to your community or to other transmission lines.

Circuit breakers are electrical switches inside a substation that protect substation equipment

Control buildings house electrical equipment such as controls, batteries and meters 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

Next steps

After our notification and consultation process is complete, we will file a Facility Application with the Alberta Utilities Commission (AUC). The AUC ensures the fair and responsible delivery of Alberta's utility services. If the facilities application is approved by the AUC, construction would begin in fall 2019. 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 utilities development*.

Anticipated project schedule

Notify stakeholders	Summer 2018
File application with Alberta Utilities Commission (AUC)	Fall 2018
Start construction if project is approved	Fall 2019
Construction completed	Fall 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

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

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**

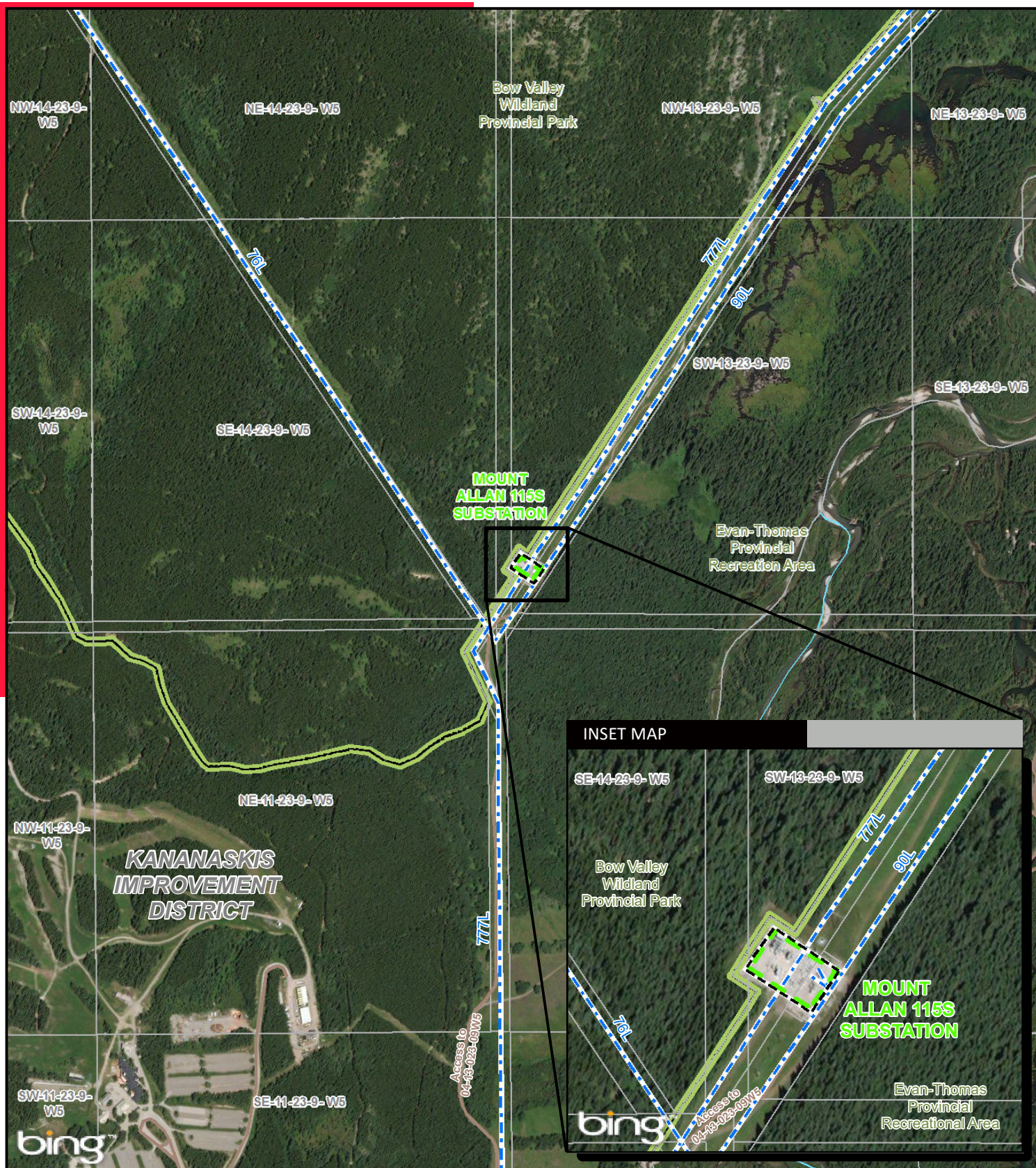
LET'S TALK TRANSMISSION



www.twitter.com/altalink



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

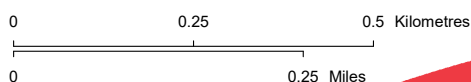


LEGEND

- Existing Transmission Line
- Proposed Upgrade to Existing Substation
- River or Stream
- Road
- Other Protected Area

NO: 35025357 - 6103
 DRAWN: SG - AL
 FILE NO.: XXXXXXX
 REVISION: 0.01.02
 AL FOLDER: Fortis Kananaskis Area
 Reliability Project

DATE: 2018-06-08



DETAIL PHOTO **DP1**



PROPOSED
 Fortis Kananaskis Reliability
 Upgrade Project

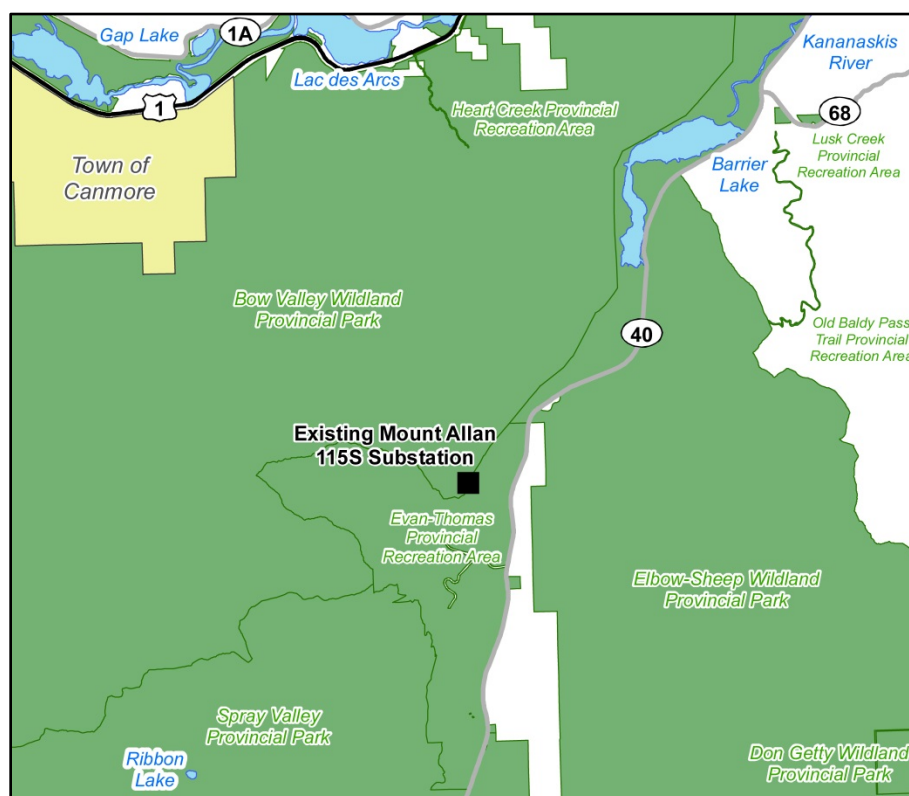
Appendix D – AESO Notice of Intention to Consider for Approval under ANAP Website Posting (September 2018)

Notification of the AESO's intention to consider the Need for the Mount Allan 115S Substation Upgrade in the Kananaskis Village Area for approval under the AESO's abbreviated needs approval process

The Alberta Electric System Operator (AESO) intends to consider the need for the Mount Allan 115S Substation Upgrade (Project) in the Kananaskis Village Area for approval under section 501.3 of the ISO rules, *Abbreviated Needs Approval Process*, (ANAP Rule) on or after October 10, 2018.

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

- Upgrade the existing Mount Allan 115S substation, including replacing one existing 138/25 kilovolt (kV) transformer with a 138/25 kV transformer of higher capacity and adding 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 Mount Allan 115S substation, which is at SW-13-23-9-W5.

AltaLink Management Ltd. (AltaLink) is the transmission facility owner (TFO) in the Kananaskis Village area. In July 2018, the AESO and the TFO began notifying stakeholders, including residents, occupants, and landowners of this need for the Project.

Stakeholder Questions or Concerns

The AESO intends to consider for approval the need for the Project under the ANAP Rule on or after October 10, 2018. If stakeholders have any questions or concerns, please connect the AESO on or before this date.

The AESO may consequently approve the need for the Project under the ANAP Rule, if the AESO does not approve the Project, may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC) requesting AUC approval of the need for the Project on or after October 10, 2018. The TFO will then file an application to the AUC requesting approval to construct and operate the specific facilities associated with the transmission development.

Supporting information for this Project can be found on the AESO website at <https://www.aeso.ca/grid/projects/mount-allan-115s-substation-upgrade/>. If approved, the ANAP Approval Letter will also be posted on the AESO website. Alternative, the NID application will be posted. For more information, please visit our website, www.aeso.ca or contact us at 1-888-866-2959 or stakeholder.relations@aeso.ca

Appendix E – AESO Stakeholder Newsletter – Intention to Consider for Approval under ANAP Notice (September 25, 2018)

AESO Stakeholder Newsletter



Mount Allan 115S substation upgrade – Notice of Intention to Consider For Approval Under the AESO’s Abbreviated Needs Approval Process

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

- Upgrade the existing Mount Allan 115S substation, including replacing one existing 138/25 kilovolt (kV) transformer with a 138/25 kV transformer of higher capacity and adding two 138 kV circuit breakers
- Add or modify associated equipment as required for the above transmission developments

The AESO intends to consider the Need for the Mount Allan 115S Substation Upgrade in the Kananaskis Village Area for approval under Section 501.3 of the ISO rules, Abbreviated Needs Approval Process (ANAP Rule) on or after October 10, 2018. The AESO may consequently approve the need for the Mount Allan 115S Substation Upgrade in the Kananaskis Village Area under the ANAP Rule or, in the event the AESO does not approve the need, may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC) requesting AUC approval of the need on or after October 10, 2018.

The AESO has posted a Notification of Intention to Consider for Approval under ANAP on its project-specific webpage. Please click [here](#) to view the project-specific webpage or visit the AESO website at www.aeso.ca and follow the path Grid > Project > Mount Allan 115S Substation Upgrade to see all the relevant documents, including the ANAP Approval Letter, if approved, or the NID application.