

# ATTACHMENT 4 AESO PARTICIPANT INVOLVEMENT PROGRAM

## 1. Introduction

From June to July 2020, the AESO conducted a Participant Involvement Program (PIP) regarding the *North Lethbridge 370S Substation Upgrade*. The AESO directed the legal owner of transmission facilities (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.

The AESO's PIP is designed to notify the parties notified in the 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 (Commission) Rule 007 (AUC Rule 007), effective August 1, 2019, as per the requirements of ISO Rule 501.3 Abbreviated Needs Approval Process.

## 2. Stakeholder Notification

The AESO developed a one-page AESO Need Overview document with the purpose of notifying 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/north-lethbridge-370s-substation-upgrade/> and a notice was published in the AESO Stakeholder Newsletter on June 11, 2020. Copies of the Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4.1 and 4.2, respectively. The Need Overview was also included with the TFO's project-specific information package that was distributed to Stakeholders, as further described in Section 2.1.

## 2.1 Stakeholders Notified in the TFO’s PIP

The TFO has advised the AESO that its PIP included notification within 200 metres of the proposed substation upgrade and line modification, and consultation within 100 metres of the proposed substation upgrade and line modification as recommended by the Commission in Appendix A1 of AUC Rule 007.<sup>1</sup>

The TFO notified a total of approximately 9 Stakeholders, The TFO’s rationale for their inclusion in the PIP are listed in Table 2.

**Table 2: Summary of Notified Agency and Industry Stakeholders Notified by the TFO**

Stakeholder	TFO’s Rationale for Inclusion in the PIP
Alberta Environment and Parks – Fish and Wildlife	Provincial requirements
Alberta Transportation	Provincial requirements
City of Lethbridge – Electric Utility	Municipal requirements
City of Lethbridge - Planning	Municipal requirements
FortisAlberta Inc.	Distribution facility owner in the project notification area
Melcor Development Ltd.	Developer in the project notification area
Ministry of Culture, Multiculturalism and Status of Women	Federal requirements
NAV Canada	Federal requirements
Telus Communications Inc.	Communication Facility Owner in the project notification area

Attachment 4.3 includes the TFO’s project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders described above between June 2 and July 21, 2020. 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/346/fortisalberta-lethbridge-area-reliability-project> on June 2, 2020. 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.

## 3. Notification of ANAP Consideration

In October 2020, the AESO notified Stakeholders of its intention to consider the need for the North Lethbridge 370S substation upgrade to be approved under the AESO’s Abbreviated Needs Approval Process, (ANAP) by posting a Notification of ANAP Consideration to the AESO website at <https://www.aeso.ca/grid/projects/north-lethbridge-370s-substation-upgrade/> and publishing a notice in the AESO Stakeholder Newsletter for release on October 1, 2020. Copies of the Notification of ANAP Consideration posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4.4 and 4.5, respectively.

<sup>1</sup> AltaLink has identified its facility application to be of the type: *Overhead transmission line and new substation development – rural or industrial setting*, as categorized in AUC Rule 007, Appendix A1, Section 5.

## 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](mailto:stakeholder.relations@aeso.ca)). The AESO Need Overview included this contact information, along with the AESO's mailing address (2500, 330 5<sup>th</sup> Ave. SW, Calgary) and website address ([www.aeso.ca](http://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. Concerns and Objections Raised

One Stakeholder raised questions directly to the AESO. The AESO responded by providing information about the AESO's schedule for posting project specific materials to its website prior to rendering a decision under the Abbreviated Needs Approval Process.

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 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.

Apart from the inquiry above from the one Party, the AESO has not received any indication of concerns or objections from any Stakeholder about the AESO's consideration respond to the system access service request or the need for development.

## 6. List of Attachments

- Attachment 4.1 – AESO Need Overview (June 2020)
- Attachment 4.2 – AESO Stakeholder Newsletter Need Overview Notice (June 11, 2020)
- Attachment 4.3 – TFO Project Newsletter – *FortisAlberta Lethbridge Area Reliability Project* (June 2020)
- Attachment 4.4 – AESO Public Notification of ANAP Consideration Website Posting (October 2020)
- Attachment 4.5 – AESO Stakeholder Newsletter Notice of ANAP Consideration (October 1, 2020)

**Attachment 4.1 – AESO Need Overview (June 2020)**

# Need for the North Lethbridge 370S Substation Upgrade in the City of Lethbridge area

*FortisAlberta Inc. (FortisAlberta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve the reliability of the electricity services in the City of Lethbridge area. FortisAlberta's request can be met by the following solution:*

## PROPOSED SOLUTION

- Modify the existing North Lethbridge 370S substation, including adding one 138 (kilovolt) kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

## NEXT STEPS

- The AESO intends to consider the need for this project for approval under section 501.3 of the ISO rules, Abbreviated Needs Approval Process (ANAP Rule) in late 2020.
- A minimum of 14 days prior to the project being considered under the ANAP Rule, the AESO will notify stakeholders and post supporting documents on the AESO's website at [www.aeso.ca/stakeholder-engagement/transmission-projects](http://www.aeso.ca/stakeholder-engagement/transmission-projects).
- If the AESO does not approve the need for this project under the ANAP Rule, the AESO may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC) for approval of the need for this project.

*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 area surrounding the City of Lethbridge.
- 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@aesocanada.com](mailto:stakeholder.relations@aesocanada.com)  
1-888-866-2959

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

[www.aeso.ca](http://www.aeso.ca) | [@theaesocanada](https://twitter.com/theaesocanada)

**Attachment 4.2 – AESO Stakeholder Newsletter Need Overview Notice (June 11, 2020)**

June 11, 2020

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# AESO Stakeholder Newsletter

## GRID

### **North Lethbridge 370S Substation Upgrade – Need for Transmission Development in the City of Lethbridge Area**

FortisAlberta Inc. (FortisAlberta) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve the reliability of the electricity services in the City of Lethbridge area. FortisAlberta's request can be met by the following solution:

- Modify the existing North Lethbridge 370S substation, including adding one 138 kilovolt (kV) breaker.
- 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](http://www.aeso.ca) and follow the path Stakeholder Engagement > Transmission Projects > North Lethbridge 370S Substation Upgrade.

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If you have any questions or concerns, please contact us at [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca).

**Our mailing address is:**

Alberta Electric System Operator 2500, 330 - 5th Avenue SW Calgary, AB T2P 0L4 Canada

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[unsubscribe from this list](#) | [update subscription preferences](#)



**Attachment 4.3 – TFO Project Newsletter – FortisAlberta Lethbridge Area Reliability Project (June 2020)**

# Electric system improvements near you

## FortisAlberta Lethbridge Area Reliability Project

You are receiving this newsletter because you are near the FortisAlberta Lethbridge Area Reliability 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
- 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](http://www.altalink.ca).

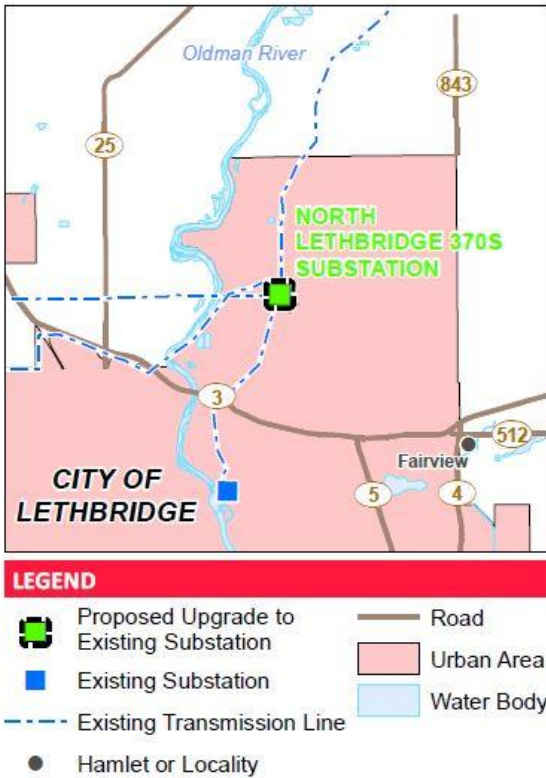
**DEFINITION:**

**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**

1-877-269-1453  
[stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca)  
[www.altalink.ca/projects](http://www.altalink.ca/projects)



Above: typical 138 kV circuit breaker

Below: typical 25 kV circuit breaker



## Project details

The proposed project involves equipment upgrades at the existing North Lethbridge Substation, located in the City of Lethbridge in SW-18-9-21-W4.

The proposed substation upgrade includes adding the following new equipment to the substation:

- one new 138 kV (kilovolt) circuit breaker and associated equipment
- one new 25 kV circuit breaker and associated equipment

In addition, an existing structure north of the substation may be salvaged (removed), and approximately 35 metres of an existing transmission line may be modified. Please refer to the included Detail Photo Map (DP1) for a detailed overview of the project area.

All work will take place on AltaLink owned land. A mobile substation will be required during construction.

### DEFINITION:

#### **Circuit Breaker**

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



Above: the North Lethbridge Substation

## Electric and Magnetic Fields (EMF)

AltaLink recognizes that people may have concerns about exposure to EMF and we take those concerns seriously.

Everyone in our society is exposed to power frequency 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 (WHO) have been conducting and reviewing research on exposure to EMF for more than 40 years. Based on this research, these agencies have not recommended that the general public needs to take steps to limit their everyday exposure to EMF from high voltage transmission lines, including individuals that are located on the edge of a power line right-of-way.

If you have any questions about EMF please contact us.

Website: [www.altalink.ca/emf](http://www.altalink.ca/emf)

Email: [emfdialogue@altalink.ca](mailto:emfdialogue@altalink.ca)

Toll-free phone number: 1-866-451-7817

## Keeping the lights on during COVID-19

AltaLink is closely monitoring the spread of COVID-19. Our priority is maintaining the health and safety of our employees, contractors, and the general public while ensuring that we can continue to operate our system and keep the lights on for Albertans.

## How to provide your input

At this time we are limiting in-person meetings and will be conducting the majority of meetings via telephone or electronic methods. If you'd like to provide input, you can also do so through our online feedback portal, found here: [www.altalink.ca/projectfeedback](http://www.altalink.ca/projectfeedback). As the situation regarding COVID-19 changes we will re-assess this approach. We will update you as the situation evolves. Our focus is ensuring the lights stay on, and that you have the electricity you need.

AltaLink is committed to sharing information about its projects and working with the public to gather and respond to stakeholder input and concerns. A summary of stakeholder comments will be incorporated into the application we submit to the Alberta Utilities Commission (AUC).

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*.

## Contact us directly

You can contact us by telephone, email, mail, or through our website. Our contact information is on the last page of this newsletter.

## Anticipated project schedule

Notify and consult with stakeholders	June 2020
File application with Alberta Utilities Commission (AUC)	October 2020
Start construction if project is approved	June 2021
Construction completed	November 2021

*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](mailto:stakeholderrelations@altalink.ca)

For more information visit us at [www.altalink.ca/projects](http://www.altalink.ca/projects).

*To learn more about Alberta's electric system and the need for the project, please contact:*

### ALBERTA ELECTRIC SYSTEM OPERATOR

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

Email: [stakeholder.relations@aeso.ca](mailto: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](http://www.aeso.ca). If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need 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](mailto:consumer-relations@auc.ab.ca)

### PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and the 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](http://www.altalink.ca/privacy) or contact us directly via e-mail [privacy@altalink.ca](mailto: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](http://altalink.ca/projects)
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

## LET'S TALK TRANSMISSION



[www.twitter.com/altalink](http://www.twitter.com/altalink)



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

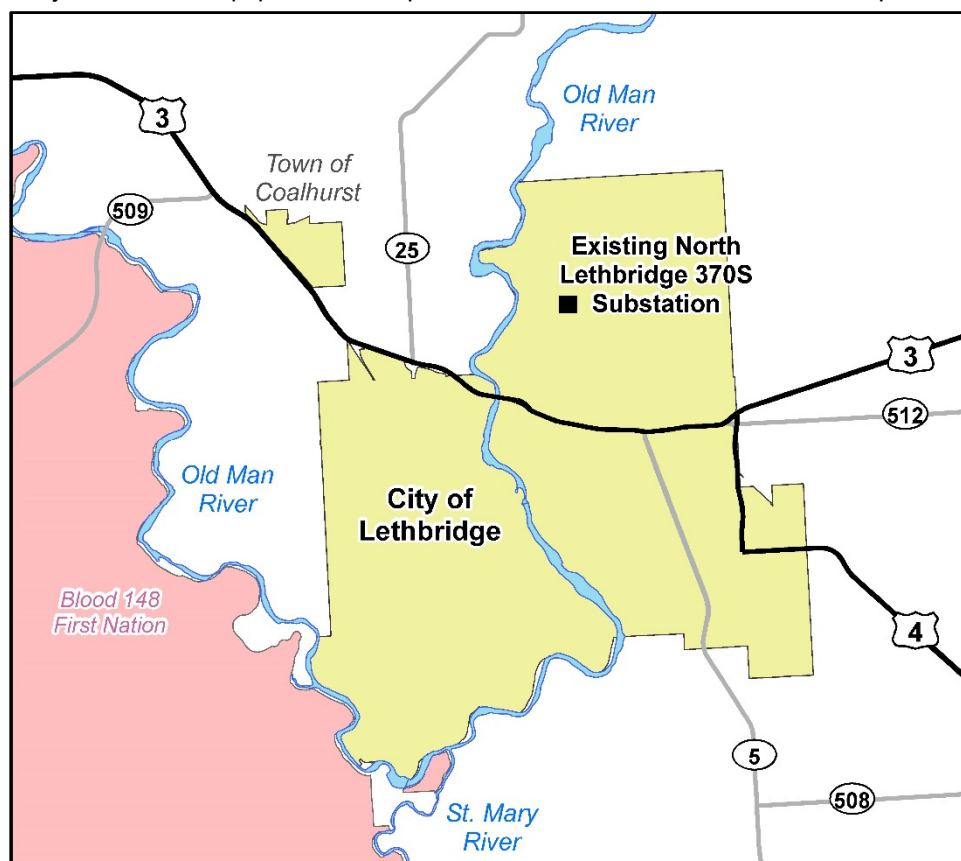
**Attachment 4.4 – AESO Public Notification of ANAP Consideration Website Posting  
(October 1, 2020)**

## Notification of the AESO’s intention to consider the Need for the North Lethbridge 370S Substation Upgrade for approval under the AESO’s Abbreviated Needs Approval Process

The Alberta Electric System Operator (AESO) intends to consider the need for the North Lethbridge 370S Substation Upgrade for approval under Section 501.3 of the ISO rules, *Abbreviated Needs Approval Process*, (ANAP Rule) on or after November 2, 2020.

FortisAlberta Inc. (FortisAlberta) has applied to the AESO for transmission system access to improve the reliability of the electricity services in the City of Lethbridge area. FortisAlberta’s request can be met by the following solution:

- Modify the existing North Lethbridge 370S substation, including adding one 138 (kilovolt) kV circuit breaker.
- 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 North Lethbridge 370S substation, which is at SW-18-9-21W4.

AltaLink Management Ltd. is the transmission facility owner (TFO) in the Lethbridge area. In June 2020, the AESO and the TFO began notifying stakeholders, including residents, occupants, and landowners of this need for the Project.

The AESO intends to consider the need for the Project for approval under Section 501.3 of the ISO rules *Abbreviated Needs Approval Process* (ANAP Rule) on or after November 2, 2020. If stakeholders have any questions or concerns, please contact the AESO on or before this date.

The AESO may consequently approve the need for the Project under the ANAP Rule, or if the AESO does not approve the need, may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC). 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/north-lethbridge-370s-substation-upgrade/>. If approved, the ANAP Approval Letter will also be posted on the AESO website. For more information, please visit our website, [www.aeso.ca](http://www.aeso.ca) or contact us at 1-888-866-2959 or [stakeholder.relations@aesocanada.com](mailto:stakeholder.relations@aesocanada.com).

**Attachment 4.5 – AESO Stakeholder Newsletter Notice of ANAP Consideration (October 1, 2020)**



OCTOBER 1, 2020

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# AESO Stakeholder Newsletter

## > GRID

### **North Lethbridge 370S 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 improve the reliability of the electricity services in the City of Lethbridge area. FortisAlberta’s request can be met by the following solution:

- Modify the existing North Lethbridge 370S substation, including adding one 138 (kilovolt) kV breaker.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to consider the need for the North Lethbridge 370S Substation Upgrade for approval under Section 501.3 of the ISO rules *Abbreviated Needs Approval Process (ANAP Rule)* on or after November 2, 2020. The AESO may consequently approve the need for the North Lethbridge 370S Substation Upgrade under the ANAP Rule, or if the AESO does not approve the need, may submit a needs identification document (NID) application to the Alberta Utilities Commission (AUC).

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](http://www.aeso.ca) and follow the path Grid > Projects > North Lethbridge 370S Substation Upgrade to see all the relevant documents, including the ANAP Approval Letter, if approved, or the NID application.