

APPENDIX C AESO PIP

Bauer 918S Substation Upgrade

Needs Identification Document

1.0 Participant Involvement Program (PIP)

From July 2015 to February 2016, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its Bauer 918S Substation Upgrade Needs Identification Document (NID). The AESO directed transmission facility owner (TFO), ATCO Electric Ltd. (ATCO), to assist the AESO in providing notification in accordance with NID19 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):

- Alberta Culture and Tourism
- County of Vermilion River
- County of Minburn No. 27
- TELUS Communications Company

The AESO used a variety of methods to notify Stakeholders on the need for the Bauer 918S 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/32267.html> on July 20, 2015 and a notice was published in the AESO Stakeholder Newsletter on July 21, 2015. 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 ATCO's project-specific information package mailed on July 14, 2015 to the Stakeholders noted above. Attachment 3 includes a copy of ATCO's information 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 at <http://www.aeso.ca/transmission/32267.html> and a notice in the AESO Stakeholder Newsletter on January 19, 2016. Copies of the Public Notification of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 4 and 5, respectively.

1.3 Concerns and Objections Raised

The AESO has not received any indication of concerns 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 – ATCO's Information Brochure – *Bauer Substation Capacity Addition Project* (July 2015)
- Attachment 4 – AESO Public Notification of NID Filing (AESO Website Posting)
- Attachment 5 – AESO Stakeholder Newsletter NID Filing Notice

Attachment 1 – AESO Need Overview

Need for the Bauer 918S Substation Upgrade in the Town of Vermilion area

Transmission Development Information for Stakeholders



ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for transmission system access to serve a new industrial electricity demand in the Town of Vermilion area. ATCO's request can be met by upgrading the existing Bauer 918S substation including adding a 144 kV breaker, a 144/4.16 kV transformer and the associated equipment.

The AESO is processing ATCO'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 late 2015 or early 2016. 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 ATCO involved?

ATCO is the transmission facilities owner (TFO) in the Town of Vermilion area. While the AESO is responsible for identifying that transmission system development is needed, ATCO is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities. The AESO has directed ATCO 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 Town of Vermilion 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

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

Bauer 918S Substation Upgrade – Need for Transmission System Development in the Vermilion area

ATCO Electric Ltd. has applied to the AESO for transmission system access to serve a new industrial electricity demand in the Town of Vermilion area. ATCO's request can be met by upgrading the existing Bauer 918S substation including adding a 144 kV breaker, a 144/4.16 kV transformer 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 > Bauer 918S Substation Upgrade.

Attachment 3 – ATCO’s Information Brochure – *Bauer Substation Capacity Addition Upgrade* (July 2015)



July 14, 2015

<Name>

<Address 1>

<Address 2>

RE: Bauer Substation Capacity Addition Project

Dear <Landholder>,

We are writing to advise neighbouring landowners, occupants, agencies and other interested parties about plans to upgrade the Bauer substation. This letter provides important project information and outlines our public consultation process.

Upgrades to the Bauer substation (called 918S) are needed to support industrial development in the area. The substation is located in portions of LSD1-24-49-8 and LSD 16-13-49-8 in the Vermilion area.

Project Details

The Bauer substation requires upgrades to increase its electrical capacity. If approved, this work will include:

- Installation of one 144/4.16 kilovolt (kV) transformer
- Installation of one 144 kV circuit breaker and associated electrical equipment

The equipment described above will be installed within the existing boundaries of the Bauer substation site.

The Process

ATCO Electric will file a facilities application for the project with the Alberta Utilities Commission (AUC) seeking approval for the substation upgrades.

Alberta's electrical system is regulated by the AUC. The AUC is an independent agency of the province that ensures the fair and responsible delivery of utility services. Before ATCO Electric can begin construction on a project, the AUC must approve the facilities application.

For more information about how you can participate in the AUC process, please refer to the enclosed brochure entitled *Public involvement in a proposed utility development*.

Proposed Timeline (Timing may be adjusted to reflect final plans)

July 2015	Notification to landowners, occupants, agencies and other interested parties
December 2015	Submission of the facilities application to the AUC
August 2016	If approval is granted by the AUC, construction will commence
February 2017	Substation upgrades completed and operating

Determining the Need – AESO

When upgrades to Alberta's electrical system are needed, they are identified by the 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. For more information about why this project is needed, please refer to the AESO's *Need Overview* included with this letter, or visit www.aeso.ca. If you have any questions or concerns about the need for this project you may contact the AESO directly or you can make your concerns known to an ATCO Electric representative who will communicate them to the AESO on your behalf.

Shape the Conversation

Your comments and concerns are important to us. Please contact us if you have any questions or concerns about the upgrades. You can provide feedback using the enclosed reply form and postage paid envelope or by contacting us at the toll free line and email address listed below.

Sincerely,

<Original Signed by>

Laurie Jenkin, Project Planner

ATCO Electric Ltd.

Toll Free: 1-855-420-5775

Direct: 1-780-420-5535

E-mail: consultation@atcoelectric.com

Enclosed:

- Bauer substation site plan
- Brochure entitled *Public involvement in a proposed utility development*
- *AESO Need Overview*
- Reply form

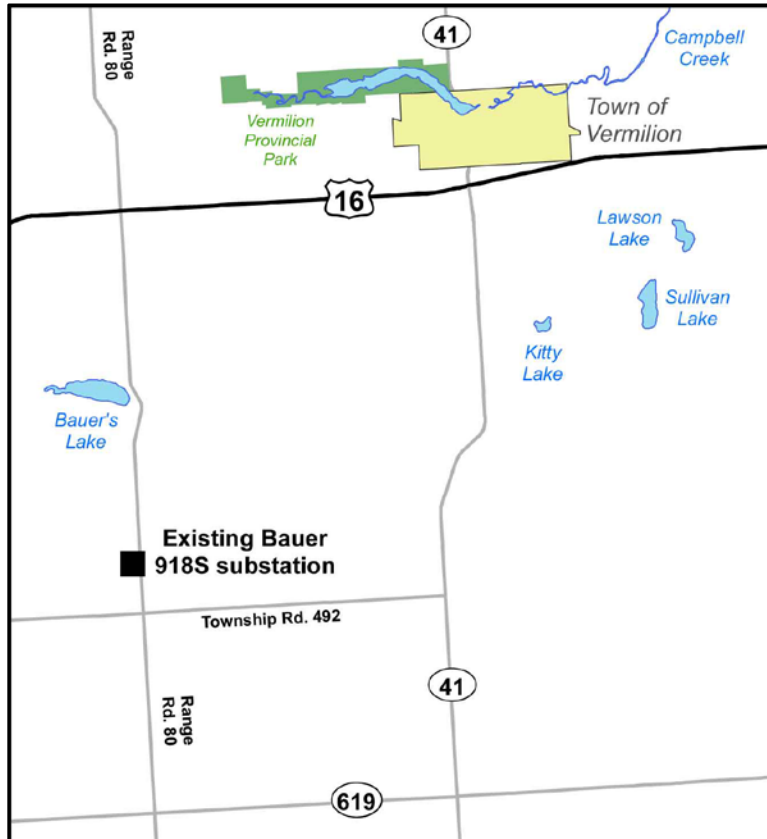
Attachment 4 – AESO Public Notification of NID Filing (AESO Website Posting)

AESO Public Notification of NID Filing

Addressing the Need for the Bauer 918S Substation Upgrade in the Town of Vermilion Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Bauer 918S substation upgrade with the Alberta Utilities Commission (AUC) on or after February 3, 2016.

ATCO Electric Ltd. (ATCO) has applied to the AESO for transmission system access to serve growing industrial demand for electricity in the Town of Vermilion area. ATCO's request can be met by upgrading the existing Bauer 918S substation, including adding a 144/4.16 kV transformer, a 144 kV breaker, and associated equipment.



The black square on the map indicates the approximate location of the Bauer 918S substation, which is in portions of LSD 1-24-49-8 and LSD 16-13-49-8. In a separate application called a Facility Application, ATCO, the transmission facility owner (TFO) in the Town of Vermilion area, will describe the specific upgrades to be performed and request AUC approval to construct and operate the specific transmission facility.

The AESO and ATCO presented this need to stakeholders, including residents, occupants and landowners, from July 2015 to January 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 <http://www.aeso.ca/transmission/32267.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**

Bauer 918S Substation Upgrade – Notice of NID Filing

ATCO Electric Ltd. has applied to the AESO for transmission system access to serve growing industrial demand for electricity in the Town of Vermilion area. ATCO's request can be met by upgrading the existing Bauer 918S substation, including adding a 144/4.16 kV transformer, a 144 kV breaker, and associated equipment.

The AESO intends to file the Bauer 918S Substation Upgrade Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after February 3, 2016, requesting that the AUC approve this NID.

The AESO has posted the public notification for its NID filing on its website for the Bauer 918S 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 > Bauer 918S Substation Upgrade to see all the relevant documents, including the NID application once it is filed with the AUC.