

APPENDIX C PARTICIPANT INVOLVEMENT PROGRAM (PIP)

Muir 2018S Substation

PIP Summary

1.0 Participant Involvement Program (PIP)

From December 2016 to April 2017, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its *Muir 2018S Substation Needs Identification Document* (NID). The AESO directed the transmission facility owner (TFO), in this case ATCO Electric Ltd. (ATCO), to assist the AESO in providing notification as part of the AESO's PIP.

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, effective February 1, 2016.

1.1 Stakeholder Notification

The AESO's PIP was designed to notify the parties notified in the TFO's PIP, 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 did not identify any other parties outside of the TFO's PIP that required 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 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/muir-2018s-substation/> on December 15, 2016 and a notice

was published in the AESO Stakeholder Newsletter on December 16, 2016. 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 the TFO's project-specific information packages that were distributed to Stakeholders between December 9, 2016 and February 22, 2017.

The notified Stakeholders included the following interested parties.

- Indigenous Communities
 - Alexis Nakota Sioux Nation
 - Driftpile First Nation
 - Kapawe'no First Nation
 - Metis Nation of Alberta – Region 4
 - Sawridge First Nation
 - Sturgeon Lake Cree Nation
 - Sucker Creek First Nation
 - Swan River First Nation
- Alberta Culture & Tourism
- Alberta Environment & Parks - Fish And Wildlife
- Alberta Environment & Parks - Land Use
- Alberta Transportation - Grande Prairie District
- Alliance Pipeline Ltd.
- Alta Energy Partners Canada Ltd.
- Amoco Canada Petroleum Company Ltd.
- ANC Timber Ltd.
- Apache Canada Ltd.
- Athabasca Oil Corporation
- Blue Ridge Lumber Inc.
- Canadian Natural Resources Limited
- Chevron Canada Limited
- Conoco Phillips Canada Resources Corp
- Crew Energy Inc.
- Encana Corporation
- Husky Oil Operations Limited
- Industry Canada
- Long Run Exploration Ltd.
- McTaves Camp & Catering Ltd.
- MLA Grande Prairie-Smoky
- Municipal District of Greenview No. 16
- Murphy Oil Company Ltd.
- NAV Canada
- Newalta Corporation
- Northwell Oilfield Hauling (9) Inc.
- Pembina Gas Services Ltd.
- Pembina Pipeline Corporation

- Penn West Petroleum Ltd.
- Repsol Oil & Gas Canada Inc.
- Right Choice Camps & Catering
- Rohl Geomatics Inc.
- Secure Energy Services Inc.
- Seitel Canada Ltd.
- SemCAMS ULC
- Shell Canada Limited
- Taqa North Ltd.
- Telus Communications Inc.
- Tervita Corporation
- Town of Fox Creek
- Transport Canada - Civil Aviation and Aerodromes
- Trapper - Philip Cahoon
- Trilogy Resources Ltd.

Attachments 3 and 4 include the TFO project newsletters, which were included in the TFO's project-specific information packages. The TFO's project newsletters included 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.

1.2 Filing Notification

The AESO originally notified Stakeholders of its intention to submit the NID to the Commission by posting a Notification of NID Filing to the AESO website at <https://www.aeso.ca/grid/projects/muir-2018s-substation/> on March 16, 2017 and a notice in the AESO Stakeholder Newsletter on March 16, 2017. Subsequent to the original filing notification, the NID filing date was revised. An updated Public Notification of NID Filing was posted on the AESO website at <https://www.aeso.ca/grid/projects/muir-2018s-substation/> and included in the AESO Stakeholder Newsletter on April 18, 2017. Copies of the Notification of NID Filing postings and the AESO Stakeholder Newsletter notices have been included as Attachments 5 and 6, respectively.

1.3 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 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.

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.

1.4 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. The AESO has not received any indication of 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.

1.5 List of Attachments

- Attachment 1 – AESO Need Overview
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice
- Attachment 3 – TFO's Project Newsletter – *Muir Point of Delivery (POD) Project* (December 2016)
- Attachment 4 – TFO's Project Newsletter – *Muir Substation Project & Fox Creek Expansion* (December 2016)
- Attachment 5 – AESO Public Notification of NID Filing & Public Notification of NID Filing Update (AESO Website Posting)
- Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice and NID Filing Notice Update

Attachment 1 – AESO Need Overview

Need for the Muir 2018S Substation in the Town of Fox Creek Area

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for transmission system access to serve new demand for electricity in the Town of Fox Creek area. ATCO's request can be met by the following solution:

> PROPOSED SOLUTION

- Add a substation (Muir 2018S) with a 144/25 kilovolt (kV) transformer and a 144 kV circuit breaker.
- Add a 144 kV transmission line to connect the Muir 2018S substation to the existing 144 kV transmission line 7L90.
- Modify the existing Fox Creek 741S substation, including adding a 144 kV capacitor bank and a 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

> NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in early 2017.
- The AESO's needs identification document (NID) application will be available on the AESO's website at <https://www.aeso.ca/grid/projects/> 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

> ATCO:

- Is the transmission facility owner in the Town of Fox Creek 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

> 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.

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.



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.

> 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@aeso.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 | [@theaeso](https://twitter.com/theaeso)

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice

Muir 2018S Substation – Need for Transmission Development in the Town of Fox Creek Area

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for transmission system access to serve new demand for electricity in the Town of Fox Creek area. ATCO's request can be met by the following solution:

- Add a substation (Muir 2018S) with a 144/25 kilovolt (kV) transformer and a 144 kV circuit breaker
- Add a 144 kV transmission line to connect the Muir 2018S substation to the existing 144 kV transmission line 7L90
- Modify the existing Fox Creek 741S substation, including adding a 144 kV capacitor bank and a 144 kV circuit 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 and follow the path Grid > Projects > Muir 2018S Substation.

**Attachment 3 – TFO’s Project Newsletter – *Muir Point of Delivery (POD) Project*
(December 2016)**

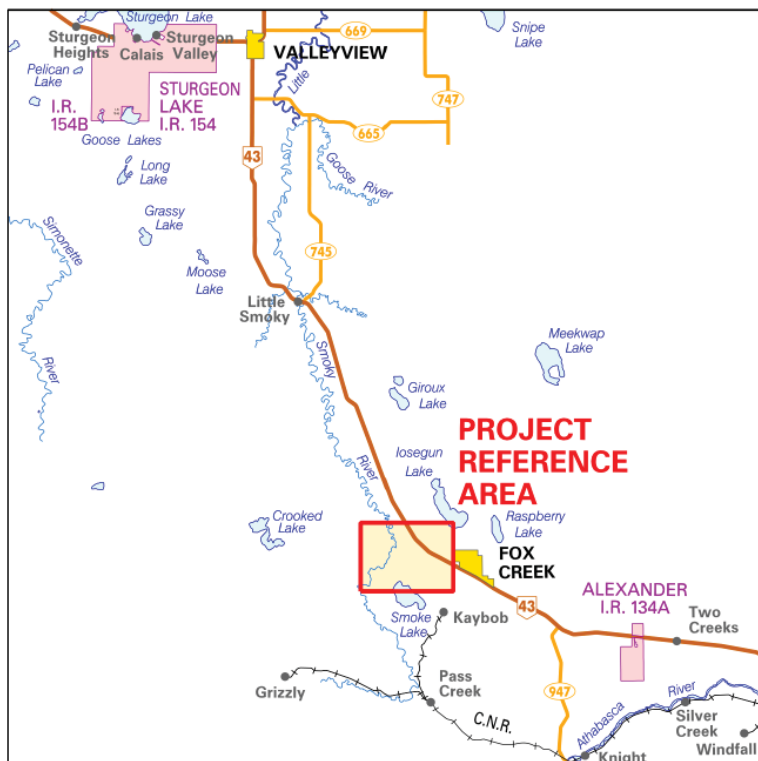


MUIR POINT OF DELIVERY (POD) PROJECT

This newsletter provides you with information about electric transmission facilities being planned in your area, and we are seeking your input on how the project may affect you. This package provides important project information and outlines our public consultation process. We invite any comments, questions, or concerns you may have.

The proposed Muir POD Project will be located west of Fox Creek and is required to address increased electrical demand in the area. If approved, the project will include the construction of a new 144/25 kilovolt (kV) substation, to be called Muir 2018S, containing one 144/25-kV transformer, one 144-kV circuit breaker, six 25-kV circuit breakers, one 29 metre (m) telecommunication tower, as well as the construction of seven kilometres (km) of new single-circuit 144-kV transmission line (to be called 7LA90) connecting from the existing 7L90 transmission line and terminating at the new Muir 2018S substation. Upgrades at the existing Fox Creek 741S substation, as a result of the Muir POD project, will also be required.

If you are in the direct vicinity of the planned facilities, ATCO will contact you in the coming weeks.



Project Need

The Alberta Electric Systems 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. You can make your concerns known to an ATCO representative who will collect your personal information for the purpose of addressing our questions and/or concerns to the AESO. This process may include disclosure of your personal information to the AESO.

Included in this package

- Muir POD Planned Route Mosaic Map
- Technical Details fact sheet
- Muir 2018S Planned Substation Site Layout
- AUC brochure: *Public Involvement in a Proposed Utility Development*
- AESO Need Overview
- Reply form and postage paid envelope

CONTACT INFORMATION

Your comments and concerns are important to us. Please contact us if you would like to learn more about this project or if you would like to share information with us.

Call us toll free at 1-855-420-5775 or contact the project planner directly:

Nicole Hupka
Right-of-Way Planning
ATCO
10035-105 Street
Edmonton, AB T5J 2V6

Phone: 780-733-2734
Email: consultation@atcoelectric.com
Website: www.atcoelectric.com
Fax: 780-420-5030

Alberta Electric System Operator
(AESO)
Phone: 1-888-866-2959
Email: stakeholder.relations@aes0.ca

Alberta Utilities Commission (AUC)
Phone: 780-427-4903
(For toll-free, dial 310-0000 first)
Email: consumer-relations@auc.ab.ca



Proposed Timeline*

December 2016

Notification to landholders, agencies and other interested parties

April 2017

Submission of applications to the Alberta Utilities Commission (AUC)

September 2017

If approved by the AUC, construction will commence

March 2018

Facilities completed and operating

**Timing may be adjusted to reflect final plans.*

Approval Process

Alberta's electrical system is regulated by the AUC, an independent agency of the province that ensures the fair and responsible delivery of utility services. Before ATCO can begin construction on a project, the AUC must approve the facilities application, which includes details such as location of electric transmission facilities and routes. For more information about how you can participate in the AUC approval process, please refer to the enclosed AUC brochure, *Public Involvement in a Proposed Utility Development*.

Next Steps




The consultation process for this project is ongoing. Please let us know if you have any questions, concerns, or suggestions regarding this project. You can provide feedback and share other information using the enclosed reply form and postage paid envelope, by contacting us (toll free) at 1-855-420-5775, or by emailing us at consultation@atcoelectric.com.

The Technical Details

December 2016

MUIR POINT OF DELIVERY (POD) PROJECT

The technical details of facilities associated with the Muir POD Project are described in this fact sheet. Designs may vary as plans are finalized.

 <p>Existing 7L90 Transmission Line The existing 144-kilovolt (kV) transmission line 7L90 will be altered to accommodate the connecting line.</p>	 <p>New 144-kV Transmission Line 7LA90 Approximately 7 kilometres (km) of new single-circuit 144-kV transmission line (to be called 7LA90) will connect the existing 7L90 transmission line with the proposed Muir 2018S substation.</p>	 <p>Muir 2018S Substation This project requires the construction of a new 144/25 -kV substation (to be called Muir 2018S), located approximately 10 km west of Fox Creek.</p>
<p>THE DETAILS</p> <p>If approved, the existing 7L90 transmission line will be altered to accommodate the connection of 7LA90 and the Muir 2018S substation. Three structures will be added at the connection point.</p>	<p>THE DETAILS</p> <p>If approved, the new 7LA90 transmission line will be 144-kV and approximately 7 km long. The line will consist of:</p> <ul style="list-style-type: none"> • Three conductor wires • One overhead shield wire • ‘Davit-arm’ structure <p>The typical structure is described in more detail on the back of this fact sheet.</p>	<p>THE DETAILS</p> <p>If approved, the substation will include the following equipment:</p> <ul style="list-style-type: none"> • One 144/25-kV transformer • One 144-kV circuit breaker • Six 25-kV circuit breakers • One new telecommunication tower <p>The planned Muir 2018S substation site was chosen to ensure suitable site conditions, good access and sufficient space for the incoming transmission line.</p>

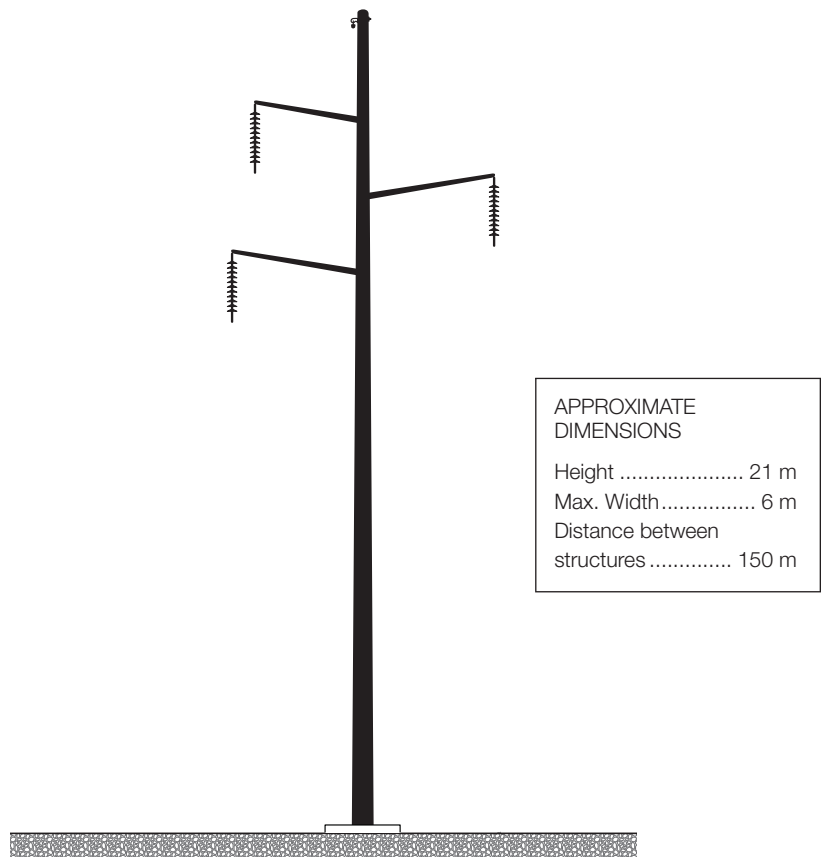
What It Will Look Like

If approved by the Alberta Utilities Commission, the 144-kV transmission line will be built with single circuit “Davit-arm” structures similar to the one shown here.

Structures will be single-circuit. This means that they will have one set of three wires strung across them. One overhead shield wire will be strung from the tops of the structures to protect the line from lightning. The distance between structures will typically be 150 m.

Non-typical structures with wider bases and/or guy wires and anchors may be required where the line ends or bends, at corners and to go over and around obstacles. In all cases minimum clearance will meet or exceed the requirements of provincial safety regulations.

*Details may change as the project develops and designs are finalized.



Typical right-of-way for this project 18 m

*Rights-of-way are cleared of trees, bush and debris to allow access for construction and ongoing maintenance

Definitions

Circuit: A circuit is a group of wires electricity flows through. ATCO Electric's transmission lines can be single or double circuit. A single circuit line has three wires and a double circuit line has six. A transmission line may also have one or two shield wires on the top of the structures to protect the line from lightning.

Circuit breaker: An automatic switch that is designed to protect an electrical circuit from overloading by shutting off the flow of electricity.

Consultation: A meeting where advice, information and views are exchanged.

Single-Circuit: A single-circuit transmission line consists of three wires attached to a pole.

Easement: A right to use private or crown land for the placement of transmission lines and structures.

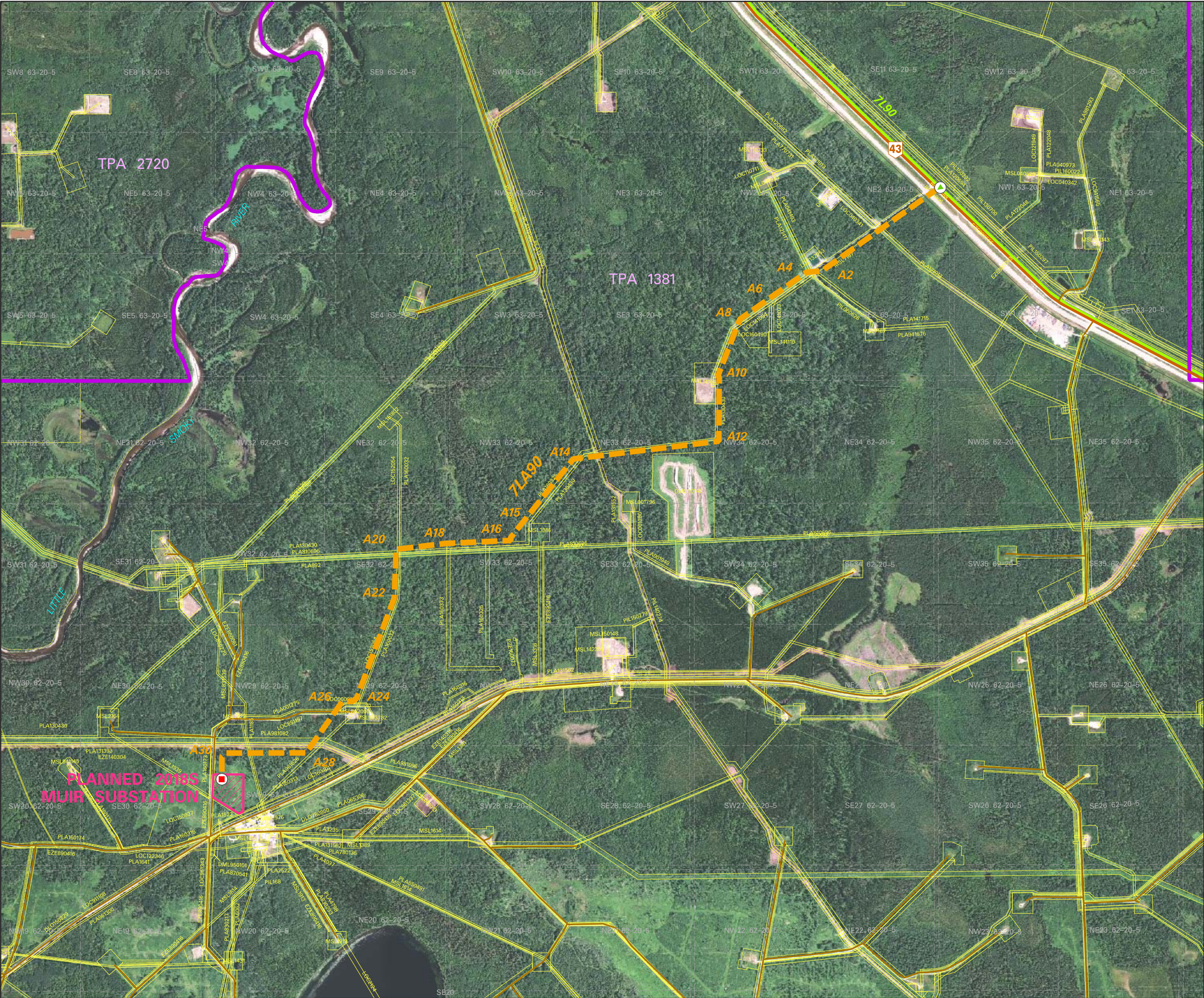
Kilovolt (kV): A kilovolt is equal to one thousand volts. This unit of measurement is most commonly used when describing transmission and distribution lines. Distribution and transmission lines in Alberta carry between 4 kV (4,000 volts) and 500 kV (500,000 volts).

Right-of-way: A right-of-way is the use of a strip of land acquired for the construction and operation of a transmission line. The term right-of-way is also used to refer to the physical space a transmission line encompasses including areas on either side

of the line.

Transformer: A transformer is the device in a substation that steps voltage up or down. It 'transforms' the electricity from higher transmission voltages to the lower distribution voltages that power your home.

Termination: A termination is the point where a power line ends and connects to a substation.



LEGEND

- Planned 144 kV Route
- A7 Planned Route Node
- Planned Route Start Point(s)
- Planned Route End Point(s)
- Existing 144 kV Transmission Line
- Planned Substation Site
- Existing Disposition
- 43 Primary Highway
- Road (Other)
- Fur Management Boundary

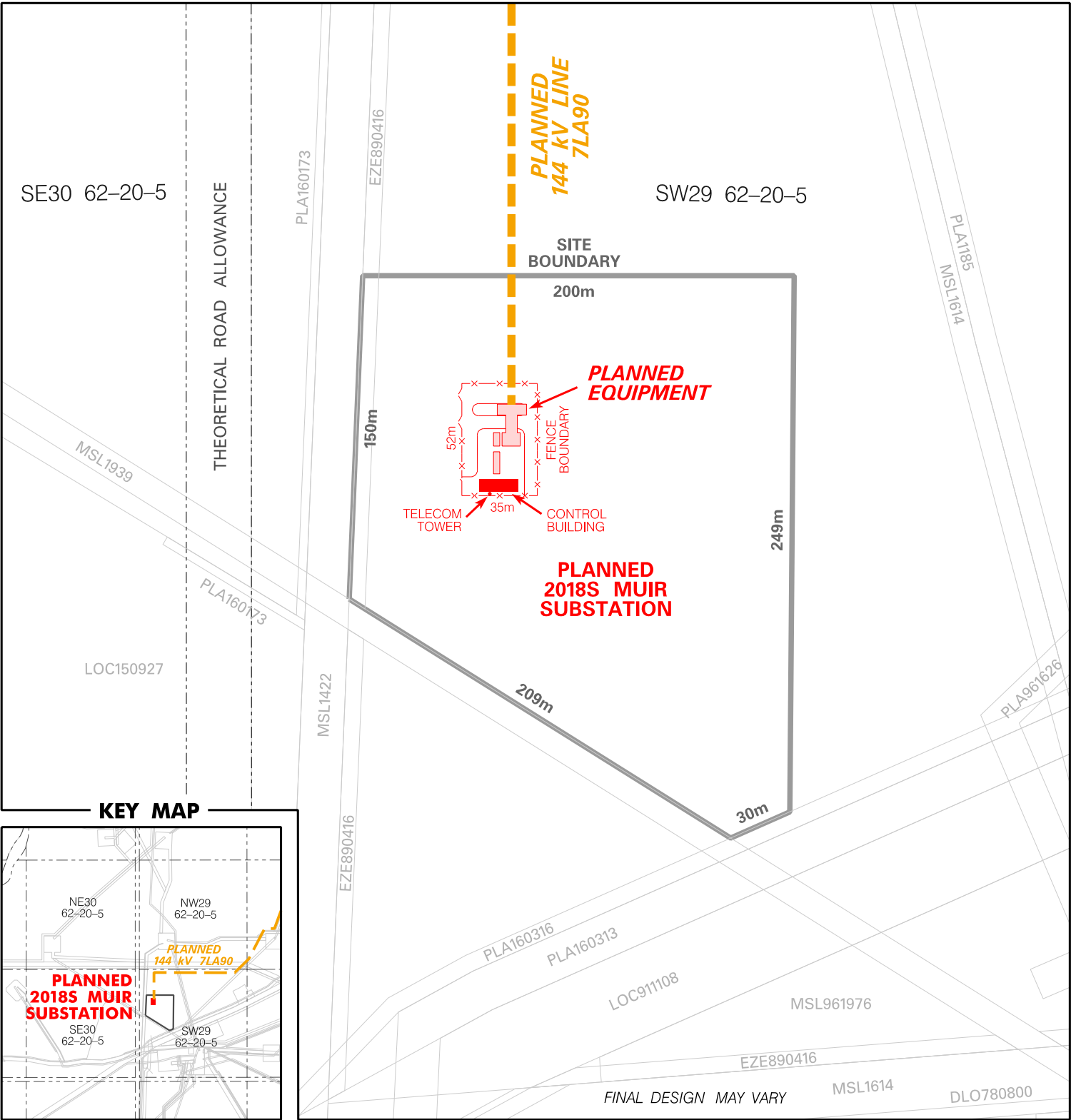
CREDIT NOTES
Route: ATCO December 2016, Substation: ATCO September 2016, Electrical System: ATCO 2016, Cadastral and DIDS: Alberta Data Partnerships Ltd. 2016, Imagery: Valtus Services 2014



NOTES:
- Only facilities in the vicinity of the route are shown.
- Noted scale is for the base features only. All other features not to scale.



Muir POD Project
PLANNED ROUTE MOSAIC



ATCO

Muir POD Project

2018S MUIR SUBSTATION
PLANNED SITE LAYOUT

CREDIT NOTES

Route: ATCO September 2016, Substation: ATCO September 2016, Cadastral and DIDS: Alberta Data Partnerships Ltd. 2016

Cartographer by: TF

Approved by: AB

December 2016

DWG.NO. RS - 7LA90 - N - 02

Attachment 4 – TFO's Project Newsletter – *Muir Substation Project & Fox Creek Substation Expansion* (December 2016)



2nd Floor, 10035 – 105 Street
Edmonton AB T5J 2V6

December 9, 2016

Project Notification: Muir Substation Project & Fox Creek Substation Expansion

This letter provides you with information about proposed upgrades to transmission facilities in your area and outlines our public consultation process.

Upgrades to the existing Fox Creek substation are required to support an adjacent project (Muir 2018S Substation Project) in the Fox Creek area. We are advising neighbouring landowners, occupants, agencies and other interested parties about plans to expand and add equipment at the Fox Creek substation. The substation is located approximately two kilometres from the Town of Fox Creek.

Project Details

If approved, the work will include the addition of one 144-kV capacitor bank and one 144-kV circuit breaker. The existing fenceline of the Fox Creek substation site will require expansion to accommodate the proposed equipment addition (please refer to the enclosed planned site layout). The Fox Creek substation is located on the northwest quarter of Section 31-62-19 W5M.

As the proposed equipment addition is minor in nature and will occur entirely within the existing property, ATCO does not anticipate any impacts to the adjacent landholders or to the environment. However, neighbouring landholders can expect some increase in noise and traffic during construction.

Project Timeline

December 2016	Notification to landowners, occupants, agencies and other interested parties
April 2017	Submission of the facilities application to the Alberta Utilities Commission (AUC)
September 2017	If approval is granted by the AUC, construction will commence
March 2018	Alterations completed and operating

Timing may be adjusted to reflect final plans.

Project Need

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.

Alberta Utilities Commission

Alberta's electrical system is regulated by the Alberta Utilities Commission (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, which includes details such as location of transmission facilities and routes.

Next Steps

ATCO Electric is seeking your input on how this project may affect you if you have an interest in lands adjacent to the Fox Creek substation. Once the project details have been finalized and any feedback has been received, ATCO Electric will file an application for the project with the Alberta Utilities Commission (AUC) seeking approval for the substation upgrades.

Please let us know if you have any questions, concerns or suggestions regarding this project. You can provide feedback and share other information using the enclosed reply form and postage paid envelope or by contacting us at the toll free line and email address listed below.

Sincerely,



Nicole Hupka

Project Planner

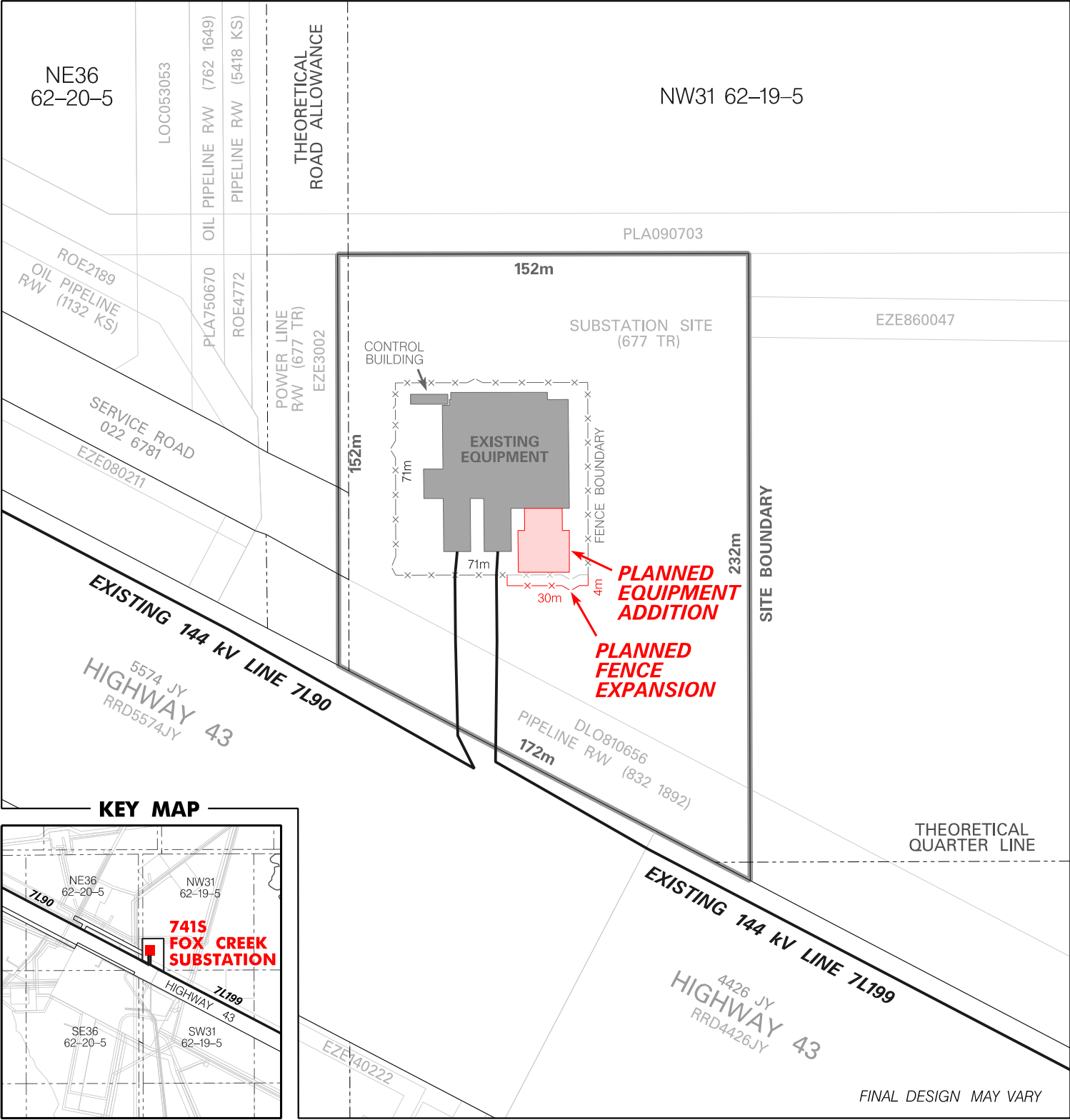
ATCO

Toll Free: 1-855-420-5775

E-mail: consultation@atcoelectric.com

Enclosed:

- 741S Fox Creek Substation Planned Site Layout
- Alberta Utilities Commission (AUC) brochure: *Public involvement in a proposed utility development*
- Alberta Electric System Operator (AESO) brochure: *Need Overview*



Muir POD Project

741S FOX CREEK SUBSTATION
PLANNED SITE LAYOUT

**Attachment 5 – AESO Public Notification of NID Filing & Public Notification of
NID Filing Update (AESO Website Posting)**

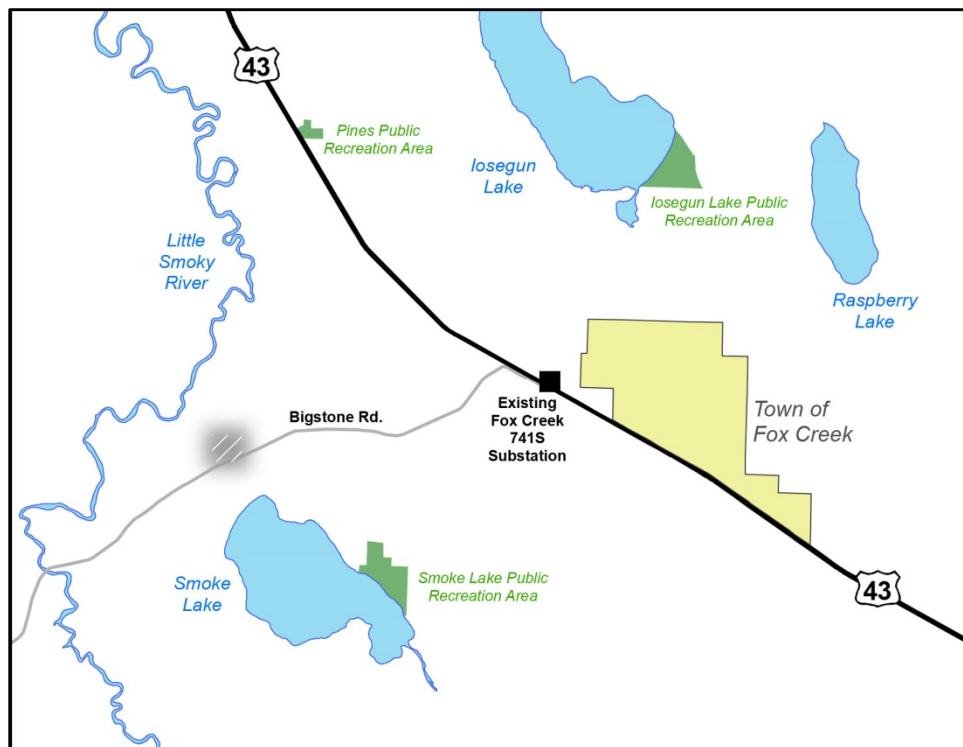
AESO Public Notification of NID Filing

Addressing the Need for the Muir 2018S Substation in the Town of Fox Creek Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Muir 2018S substation with the Alberta Utilities Commission (AUC) on or after March 31, 2017.

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for transmission system access to serve new demand for electricity in the Town of Fox Creek area. ATCO's request can be met by the following solution:

- Add a substation (Muir 2018S) with a 144/25 kilovolt (kV) transformer and a 144 kV circuit breaker.
- Add a 144 kV transmission line to connect the Muir 2018S substation to the existing 144 kV transmission line 7L90.
- Modify the existing Fox Creek 741S substation, including adding a 144 kV capacitor bank and a 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.



The black square indicates the approximate location of the existing Fox Creek 741S substation, which is at NW-31-62-19-W5. The shaded area on the map indicates the approximate location of the proposed Muir 2018S Substation and 144 kV transmission line, which is at SW-29-62-20-W5. In a separate application, called a Facility Application, ATCO, the transmission facility owner (TFO) in the Fox Creek area, will describe the proposed developments and locations and request AUC approval to construct and operate the specific transmission facilities.

The AESO and ATCO presented this need to stakeholders, including residents, occupants and landowners, from December 2016 to March 2017. 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/muir-2018s-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

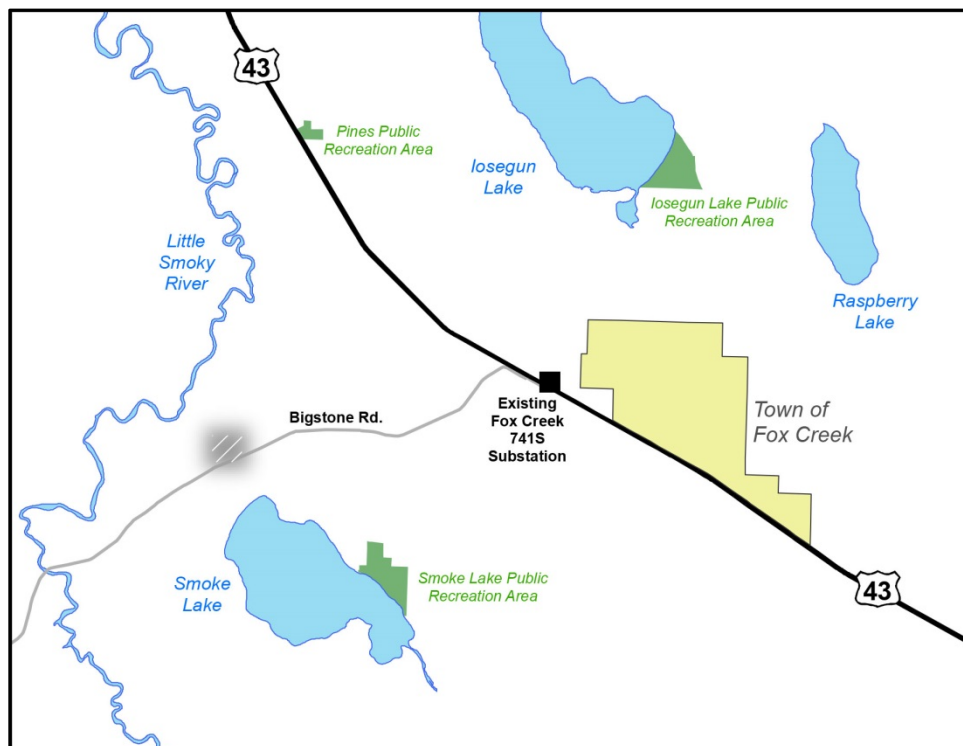
AESO Public Notification of NID Filing Update

Addressing the Need for the Muir 2018S Substation in the Town of Fox Creek Area

The Alberta Electric System Operator (AESO) previously provided notice in March 2017 that it intended to file the Muir 2018S Substation Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC). The AESO delayed the filing and has updated the planned filing date. The AESO advises you that it now intends to file a NID for the Muir 2018S substation with the AUC on or after May 3, 2017.

ATCO Electric Ltd. (ATCO) has applied to the AESO for transmission system access to serve new demand for electricity in the Town of Fox Creek area. ATCO's request can be met by the following solution:

- Add a substation (Muir 2018S) with a 144/25 kilovolt (kV) transformer and a 144 kV circuit breaker.
- Add a 144 kV transmission line to connect the Muir 2018S substation to the existing 144 kV transmission line 7L90.
- Modify the existing Fox Creek 741S substation, including adding a 144 kV capacitor bank and a 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.



The black square indicates the approximate location of the existing Fox Creek 741S substation, which is at NW-31-62-19-W5. The shaded area on the map indicates the approximate location of the proposed Muir 2018S Substation and 144 kV transmission line, which is at SW-29-62-20-W5. In a separate application, called a Facility Application, ATCO, the transmission facility owner (TFO) in the Fox Creek area, will describe the proposed developments and locations and request AUC approval to construct and operate the specific transmission facilities.

The AESO and ATCO presented this need to stakeholders, including residents, occupants and landowners, from December 2016 to April 2017. 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/muir-2018s-substation/>. Please visit our website, www.aeso.ca for more information, or contact the AESO at 1-888-866-2959 or stakeholder.relations@aesoc.ca

Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice and NID Filing Notice Update

Muir 2018S Substation – Notice of NID Filing

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for transmission system access to serve new demand for electricity in the Town of Fox Creek area. ATCO's request can be met by the following solution:

- Add a substation (Muir 2018S) with a 144/25 kilovolt (kV) transformer and a 144 kV circuit breaker.
- Add a 144 kV transmission line to connect the Muir 2018S substation to the existing 144 kV transmission line 7L90.
- Modify the existing Fox Creek 741S substation, including adding a 144 kV capacitor bank and a 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file the Muir 2018S Substation Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after March 31, 2017, requesting that the AUC 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 > Muir 2018S Substation to see all the relevant documents, including the NID application once it is filed with the AUC.

Muir 2018S Substation – Notice of NID Filing Update

ATCO Electric Ltd. (ATCO) has applied to the AESO for transmission system access to serve new demand for electricity in the Town of Fox Creek area. ATCO's request can be met by the following solution:

- Add a substation (Muir 2018S) with a 144/25 kV transformer and a 144 kV circuit breaker.
- Add a 144 kV transmission line to connect the Muir 2018S substation to the existing 144 kV transmission line 7L90.
- Modify the existing Fox Creek 741S substation, including adding a 144 kV capacitor bank and a 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

The AESO previously provided notice in March 2017 that it intended to file the Muir 2018S Substation Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC). The AESO delayed the filing and has updated the planned filing date. The AESO now intends to file the NID application with the AUC on or after May 3, 2017, requesting that the AUC approve this NID.

The AESO has posted the updated 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 > Muir 2018S Substation to see all the relevant documents including the NID application once it is filed with the AUC.