

APPENDIX C AESO PIP

1. Introduction

From May 2018 to November 2020, the AESO conducted a Participant Involvement Program (PIP) regarding the *Lanfine North Wind Power Project Connection Needs Identification Document* (NID). The AESO directed the legal owners of transmission facilities (TFO), in this case ATCO Electric Ltd. (ATCO) and AltaLink Management Ltd., in its capacity as general partner of AltaLink, L.P. (AltaLink), 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 6.2.2, NID27 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective August 1, 2019, as well as AUC Bulletin 2020-13, effective April 7, 2020.

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/pattern-lanfine-north-wind-power-project-connection-in-the-oyen-area/> and a notice was published in the AESO Stakeholder Newsletter on May 31, 2018. 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 ATCO's project-specific information package that was distributed to Stakeholders, as further described in Section 2.1.

After the May 2018 Need Overview was distributed, the AESO developed an updated one page AESO Need Overview Update document that notified Stakeholders of a change identified in the need for development in the Holden area and a revision to the date that the AESO intends to apply to the Commission for approval of the need. The AESO Need Overview Update was posted on the AESO website at <https://www.aeso.ca/grid/projects/pattern-lanfine-north-wind-power-project-connection-in-the-oyen-area/> and a notice was published in the AESO Stakeholder Newsletter on May 19, 2020. Copies of the Need Overview Update posting and the AESO Stakeholder Newsletter notice have been included as Attachments 3 and 4, respectively. The Need Overview Update was also included with ATCO's updated project-specific information package and AltaLink's project-specific information package that were distributed to Stakeholders, as further described in Section 2.1.

2.1 Stakeholders Notified in ATCO's PIP

ATCO has advised the AESO that its PIP included notification within 800 metres of the transmission line as recommended by the Commission in Appendix A1 of AUC Rule 007.¹

ATCO notified a total of approximately 71 Stakeholders, of which 38 were classified as private or individual landowners. The other 33 notified Stakeholders and ATCO's rationale for their inclusion in the PIP are listed in Table 2.1.

Table 2.1: Summary of Agency and Industry Stakeholders Notified by ATCO

Stakeholder	ATCO's Rationale for Inclusion in the PIP
1896369 Alberta Ltd.	Land rights
Acadia Hutterian Brethren Ltd	Land rights
Alberta Culture and Tourism	Provincial requirement
Alberta Environment and Parks – Fish and Wildlife – Red Deer	Provincial requirement
Alberta Environment and Parks – Regional Approvals – Land Division	Provincial requirement
Alberta Environment and Parks – Water Act – Red Deer	Provincial requirement
Alberta Transportation – Hanna Office	Land Rights
Bluearth Renewables Inc.	Land Rights
Bonavista Petroleum Ltd.	Land Rights
BowArk Energy Ltd.	Land Rights
Canadian National Railway	Land Rights
Dry Country Gas Co-op Ltd.	Land Rights
Ducks Unlimited Canada	Land Rights
Gasl Farms Ltd.	Land Rights
Harvest Operations Corp.	Land Rights
Little Profit Farms Ltd	Land Rights
M L Cass Petroleum Corporation-Struck	Land Rights
NAV CANADA	Federal requirement
Nuvista Energy Ltd.	Land Rights
One Exploration Inc	Land Rights
Pattern Development Lanfine Wind ULC	Land Rights

¹ ATCO 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.

Penn West Petroleum Ltd.	Land Rights
Renaissance Energy Ltd.	Land Rights
Siebens Oil & Gas Ltd.	Land Rights
Stbl Acres Inc.	Land Rights
TAQA North Ltd.	Land Rights
Telus Communications Inc.	Provincial requirement
The Alberta Gas Trunk Line Co. Ltd.	Land Rights
The Henry Kroeger Regional Water Services Commission	Land Rights
Transport Canada	Federal requirement

Attachment 5 includes ATCO's project newsletter, which was included with the AESO Need Overview in ATCO's project-specific information package that was distributed to the Stakeholders described above between May 30, 2018 and December 17, 2018. ATCO'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 ATCO or the AESO for additional information.

Attachment 6 includes ATCO's project update newsletter, which was included with the AESO Need Overview Update in ATCO's project-specific information package that was distributed to the Stakeholders described above between May 14, 2020 and July 3, 2020. ATCO'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 ATCO or the AESO for additional information.

2.2 Stakeholders Notified in AltaLink's PIP

AltaLink has advised the AESO that its PIP included notification within 100 metres of underground fibre optic line as recommended by the Commission in Appendix A1 of AUC Rule 007.²

AltaLink notified a total of approximately 28 Stakeholders, of which 17 were classified as private or individual landowners. The other 11 notified Stakeholders and AltaLink's rationale for their inclusion in the PIP are listed in Table 2.2.

Table 2.2: Summary of Agency and Industry Stakeholders Notified by AltaLink

Stakeholder	AltaLink's Rationale for Inclusion in the PIP
Alberta Environment and Parks – Fish and Wildlife	Provincial requirements
Alberta Transportation	Provincial requirements
ATCO Electric	Transmission and Distribution Facility Owner in project notification area
Beaver County	Municipal requirements
Fortis Alberta Inc.	Distribution Facility Owner in project notification area
Lamco Gas Co-op Ltd.	Pipeline Owner in project notification area
Ministry of Culture, Multiculturalism and Status of Women	Provincial requirements
Sequoia Resources Corp.	Pipeline Owner in project notification area
Spur Petroleum Ltd.	Pipeline Owner in project notification area

² AltaLink has identified its facility application to be of the type: For the installation of fibre optic facilities where a direct and adverse effect may occur, the applicant should consult with the landowner on whose land the fibre optic work is proposed, and notify those persons directly adjacent if their rights may be directly and adversely affected, as categorized in AUC Rule 007, Appendix A1, Section 5.

Telus Communications Inc.	Communication Facility Owner in project notification area
Tidewater Midstream and Infrastructure Ltd.	Pipeline Owner in project notification area

Attachment 7 includes AltaLink’s project newsletter, which was included with the AESO Need Overview Update in AltaLink’s project-specific information package that was distributed to the Stakeholders described above between May 1, 2020 and July 7, 2020. AltaLink’s project newsletter and the AESO Need Overview Update were also posted on AltaLink’s project-specific webpage at <http://www.altalink.ca/projects/view/342/north-holden-fibre-optic-build> on May 1, 2020. AltaLink’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 AltaLink or the AESO for additional information.

3. Stakeholders Notified by the AESO

The AESO also notified 7 market participants that the AESO determined may have an interest in the NID. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Lanfine North Wind Power Project. A Market Participant Notification Letter, which included the AESO Need Overview Update, was sent to the notified market participants on September 18, 2020.

The 7 notified market participants are as follows:

- Alberta Power (2000) Ltd.
- Balancing Pool
- Bull Creek Wind Power Limited Partnership
- Ghost Pine Windfarm, LP
- Halkirk I Wind Project LP
- Oldman 2 Wind Farm Ltd
- Wheatland Wind Project LP

A generic version of the Market Participant Notification Letter was posted to the AESO website on September 21, 2020 at <https://www.aeso.ca/grid/projects/pattern-lanfine-north-wind-power-project-connection-in-the-oyen-area/> A copy has been included as Attachment 8.

4. Filing Notification

Most recently, the AESO 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/pattern-lanfine-north-wind-power-project-connection-in-the-oyen-area/> and a publishing notice in the AESO Stakeholder Newsletter on November 5, 2020. Copies of the Notification of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 9 and 10, respectively.

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 and Need Overview

Update 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, ATCO and AltaLink were prepared to direct any Stakeholder questions addressed to the AESO, or questions regarding the AESO Need Overview and/or the AESO Need Overview Update, to the AESO.

6. Concerns and Objections Raised

During ATCO's PIP activities, one Stakeholder raised questions or concerns to a representative of ATCO regarding the need for the Project. ATCO obtained consent to share their personal information with the AESO for the purpose of referring their questions or concerns to the AESO. The AESO contacted the Stakeholder directly. The AESO responded to the Stakeholder with information about the regulatory process and the roles and responsibilities of the AESO, the Commission and ATCO.

Apart from the inquiry identified above, ATCO has advised that Stakeholders have not identified any further concerns or objections regarding the AESO's preferred option to respond to the system access service request or the need for development. AltaLink has also 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. Further, apart from the inquiry described above, the AESO has not received any indication of 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.

7. List of Attachments

- Attachment 1 – AESO Need Overview (May 2018)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (May 31, 2018)
- Attachment 3 – AESO Need Overview Update (May 2020)
- Attachment 4 – AESO Stakeholder Newsletter Need Overview Notice (May 19, 2020)
- Attachment 5 – ATCO's Project Newsletter – *Buffalo Bird to Lanfine Transmission Project* (May 2018)
- Attachment 6 – ATCO's Project Newsletter – *Buffalo Bird to Lanfine Transmission Project* (May 2020)
- Attachment 7 – AltaLink's Project Newsletter – *North Hold Fibre Optic Build* (May 2020)
- Attachment 8 – AESO Market Participant Notification Letter (September 18, 2020)
- Attachment 9 – AESO Public Notification of NID Filing Website Posting (November 2020)
- Attachment 10 – AESO Stakeholder Newsletter NID Filing Notice (November 5, 2020)

Attachment 1 – AESO Need Overview (May 2018)

Need for the Lanfine North Wind Power Project Connection in the Oyen area

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Lanfine North Wind Power Project (Facility) in the Oyen area. Pattern Development's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kV transmission line to connect the facility to the existing Lanfine 959S substation.
- Modify existing Lanfine 959S Substation, including adding one 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 late 2018.
- The AESO's needs identification document (NID) application will be available on the AESO's website at 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 Oyen 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@aes0.ca
1-888-866-2959

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

www.aeso.ca | [@theaes0](https://twitter.com/theaes0)

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (May 31, 2018)

May 31, 2018

AESO Stakeholder Newsletter

GRID

Pattern Lanfine North Wind Power Project Connection – Need for Transmission Development in the Oyen area

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the AESO for transmission system access to connect its proposed Lanfine North Wind Power Project (Facility) in the Oyen area. Pattern Development's request can be met by the following solution:

- Add one 144 kV transmission line to connect the facility to the existing Lanfine 959S substation.
- Modify existing Lanfine 959S Substation, including adding one 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 > Project > Pattern Lanfine North Wind Power Project.

Attachment 3 – AESO Need Overview Update (May 2020)

Need for the Lanfine North Wind Power Project Connection in the Oyen and Holden areas

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the AESO for transmission system access to connect its approved Lanfine North Wind Power Project (Facility) in the Oyen area. Distribution of the original AESO Need Overview began in May 2018. The AESO has since revised its proposed schedule and identified the need for development in the Holden area, as described below. Pattern Development's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing Lanfine 959S substation.
- Modify the existing Lanfine 959S substation, including adding one 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2020.
- The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/stakeholder-engagement/transmission-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 & ALTALINK

- Are the transmission facility owners (TFO) in their respective service areas:
 - ATCO is the TFO in the Oyen area.
 - AltaLink is the TFO in the Holden area.
- Are responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities within their respective service areas.
- Will coordinate the proposed transmission development described above.
- Are regulated by the AUC and must apply to the AUC for approval of their 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

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

Attachment 4 – AESO Stakeholder Newsletter Need Overview Notice (May 19, 2020)

May 19, 2020

AESO Stakeholder Newsletter

GRID

Information Update for the Lanfine North Wind Power Project Connection – Need for Transmission Development in the Oyen and Holden areas

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the AESO for transmission system access to connect its approved Lanfine North Wind Power Project (Facility) in the Oyen area. Since our last communication, the AESO has revised its proposed schedule and identified the need for development in the Holden area to respond to Pattern Development's request. Pattern Development's request can be met by the following solution:

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing Lanfine 959S substation.
- Modify the existing Lanfine 950S substation, including adding one 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 Stakeholder Engagement > Transmission Projects > Pattern Lanfine North Wind Power Project Connection.

Attachment 5 – ATCO’s Project Newsletter – Buffalo Bird to Lanfine Transmission Project (May 2018)

ATCO

SHAPE the conversation



May 2018

BUFFALO BIRD TO LANFINE TRANSMISSION PROJECT

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

The proposed ATCO Electric Ltd. (ATCO) Buffalo Bird to Lanfine Transmission Project (the Project) will be located approximately seven kilometres (km) northeast of Oyen, AB, and is planned to connect a new customer wind generation facility to the electrical grid.

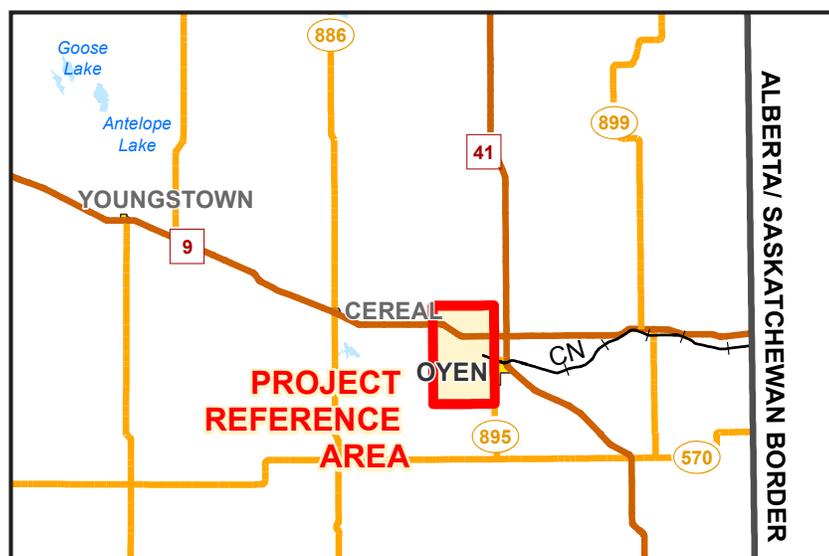
If approved, the Project will include the construction of approximately 14 km of single-circuit 144 kilovolt (kV) transmission line (to be called 7L238) and alterations to the existing Lanfine 959S substation. A double-circuit structure is planned for the project. The new 7L238 transmission line will be strung on one side of the double-circuit structure, leaving one side of the structure available for a future project. Please refer to the technical details, planned site layout diagram and planned route mosaic map for further details.

ATCO is seeking your input on how this project may affect you. If you are in the direct vicinity of the planned facilities, ATCO will contact you in the coming weeks.

Project Need

The Alberta Electric System Operator (AESO) is an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial electric 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 aeso.ca.

If you have any questions or concerns about the need for this project, you may contact the AESO directly. You can also make your concerns known to an ATCO 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.



Included in this package:

- Technical details of project
- Planned site layout diagram
- Planned route mosaic map
- AUC brochure: *Public Involvement in a Proposed Utility Development*
- AESO Need Overview
- Reply form and postage-paid envelope

LOCAL BENEFITS

Upgrading the transmission system in your area will:

- Improve access to safe, secure and reliable power
- Allow future businesses to connect to Alberta's electric system
- Encourage investment in our province

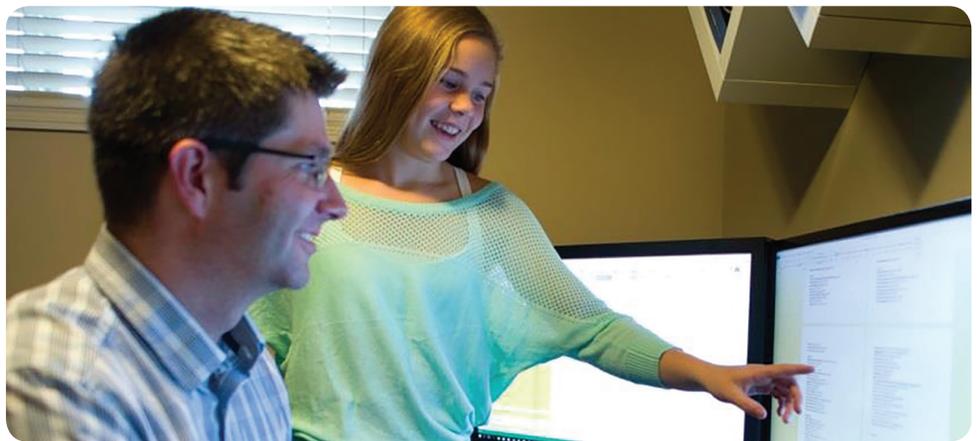
If you are a local business, and would like to be considered for the ATCO approved vendors list, please contact us toll free at **1 800 668 2248**.

The Process

Our research indicates that you are in the vicinity of the proposed route options for the Buffalo Bird to Lanfine Transmission Project. In the coming weeks, ATCO may be contacting you to discuss the project in more detail.

Consultation with landholders routinely leads to improvements on our projects. Previously, we have adjusted routes, developed new route options, and rejected other routes because of conversations with landholders. Your feedback and input will help determine the best possible routes.

We would like to meet with you to gather information about the area and answer any questions you may have. These conversations help us



determine the best route option for new transmission line developments.

Consultation feedback is not the only factor that must be considered while developing route options. ATCO must also consider a range of route constraints and barriers including proximity to residences. We undertake extensive studies to understand the potential impacts on wildlife, wetlands and other sensitive areas.

In addition to the in-person and telephone consultations, ATCO will continue to undertake, we invite anyone who is interested in this project to:

- provide feedback and share other information using the enclosed reply form and postage-paid envelope, and
- be a part of the conversation. If you have any questions, concerns or other information regarding this project, we want to hear from you.

If you have an interest in lands located on or beside the planned routes or existing substation site, you will be contacted by an ATCO representative to further discuss the project and address

any questions or concerns you may have. When consultations have been completed, ATCO will submit a facility application to the Alberta Utilities Commission (AUC) to obtain approval for the construction and operation of the planned facilities.

Transmission Routes

Prior to consultation with landholders, ATCO develops early route concepts. In identifying early route concepts, ATCO considers numerous constraints and barriers including:

- Proximity to residences
- Environmentally sensitive areas
- Wetlands
- Existing infrastructure (i.e. other transmission lines, roads, highways, pipelines, telecommunication towers)
- Planned developments
- Agriculture operations
- Visual factors
- Construction and land acquisition costs
- Quarter and section lines
- Other special considerations (i.e. access roads)

THE SCHEDULE

We begin sharing information about the project to determine the best options.

We gather your input. Based on this input and other factors, route option(s) are selected.

ATCO submits an application to the AUC to build the proposed facility.

The AUC reviews the application by way of a public process.

If approved, construction of the new facility begins.

PUBLIC CONSULTATION

is a continuous process that occurs throughout the life of the project.

Access Trails and Temporary Workspace

Access trails may be required in areas where terrain conditions or the presence of wetlands make driving along the right-of-way impractical.

Temporary workspace may also be required along the edge of the right-of-way and in other access trails and selected locations. The exact locations of access trails and temporary workspaces has yet to be determined.

Arrangements for access trails and temporary workspace will be discussed and negotiated with landowners individually.



Steel Double-Circuit Davit Arm Structure

The Right-of-Way

The term right-of-way refers to the area a transmission line uses including areas on either side of the line. Rights-of-way must have a minimum width to ensure safety and ongoing access for maintenance.

For safety reasons, some general restrictions on the use of the land in the direct vicinity of the transmission line may apply. These include setbacks for development.

Details including width and position of the right-of-way will depend on the type and size of the required structure, existing land use, surrounding features and other factors.

The right-of-way will follow property boundaries, if feasible, and in some situations, will follow existing features like a road, pipeline or another power line.

The typical width of the right-of-way for this project is 18 metre (m).

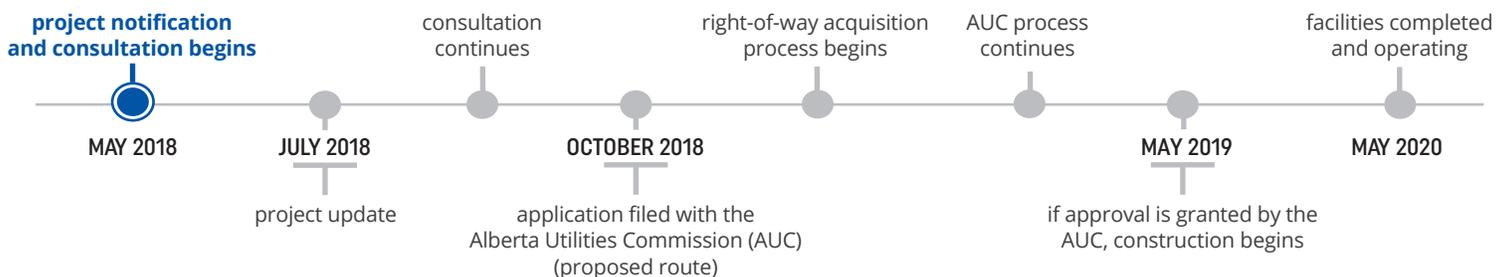
Once a proposed route has been submitted to the AUC, ATCO begins obtaining agreements with landholders to acquire the right-of-way. Once the transmission line is constructed, landholders may continue to use the right-of-way, subject to the terms of agreements made between the landholder and ATCO.

Planned Route Options

During our early engagement program, we discussed potential routes with landholders who would likely be affected by the possible route concepts. As a result of the early engagement, two planned route options were identified for the Project (see enclosed map).

Since those discussions, there has been a change to the planned typical structure design. Initially, a wood pole single-circuit wishbone structure was discussed. The structure has now been updated to a steel double-circuit davit arm structure (see photo above). Landholders on or beside the planned routes will be contacted by an ATCO representative to further discuss the Project.

THE SCHEDULE



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
- Use the enclosed reply form and postage-paid envelope to share feedback or
- Contact the project planner directly:

Kathleen Little

Right-of-Way Planning
ATCO
10035 - 105 Street
Edmonton, AB T5J 2V6
Phone: 780 508 4893

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

ATCO



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 and proposed alterations. 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*.

If you are affected by the route(s) in our application, information you shared with us will be summarized in our facility application to the AUC. The AUC will consider this input in its review of the application.

Next Steps

The consultation process for this project is ongoing. In the weeks ahead, ATCO will be contacting landholders on or beside the planned routes and consultation will be conducted in an effort to reduce potential impacts.

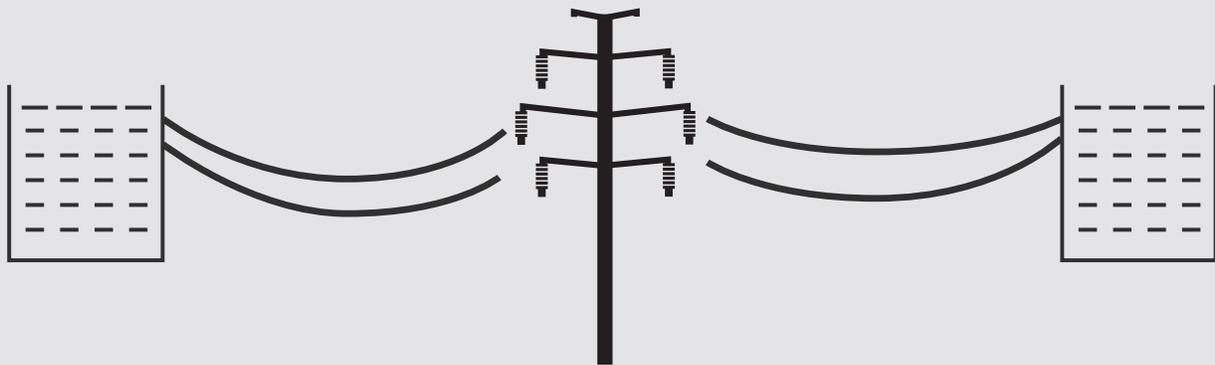
Please let us know if you have any questions, concerns or suggestions regarding this project. You can provide feedback and share other information using the enclosed reply form and postage-paid envelope, by contacting us (toll free) at **1 855 420 5775**, or by emailing us at **consultation@atcoelectric.com**.

The Technical Details

May 2018

BUFFALO BIRD TO LANFINE TRANSMISSION PROJECT

The technical details of facilities associated with the Buffalo Bird to Lanfine Transmission Project are described in this fact sheet. Designs may vary as plans are finalized.



Modifications to the existing Lanfine 959S Substation

We plan to alter the existing Lanfine substation, located approximately seven km northeast of Oyen, AB in SW 19-28-4 W4M.

New 144-kV Transmission Line 7L238 – Davit Arm structures

Approximately 14 km of new single-circuit 144-kV transmission line (to be called 7L238) will be strung on one side of a steel double-circuit davit arm structure.

Proposed Buffalo Bird 601S Substation

The project will terminate at the customer-owned Buffalo Bird 601S substation in SW 19-27-4 W4M.

LANFINE SUBSTATION

If approved, the work will include the installation of the following new equipment (please refer to the back of this fact sheet for definitions):

- One 144-kV circuit breaker
- Associated switches and equipment

The equipment described above will be installed within the existing boundaries of the Lanfine substation site (please see the enclosed planned site layout diagram).

DAVIT ARM STRUCTURES

If approved, the new 7L238 transmission line will consist of:

- Three bundled conductor wires on one side of the structure
- One overhead protection ground wire (OPGW) and one overhead shield wire (OHSW).
- New steel Davit Arm structures on an 18 m right-of-way

The typical structure is described in more detail on the back of this fact sheet.

BUFFALO BIRD SUBSTATION

The proposed Buffalo Bird substation is being planned by the customer requesting this project and will be included in the customer's facility application.

The new 7L238 transmission line will connect the customer's new Buffalo Bird substation to the existing Alberta Interconnected Electric System.

The Structure

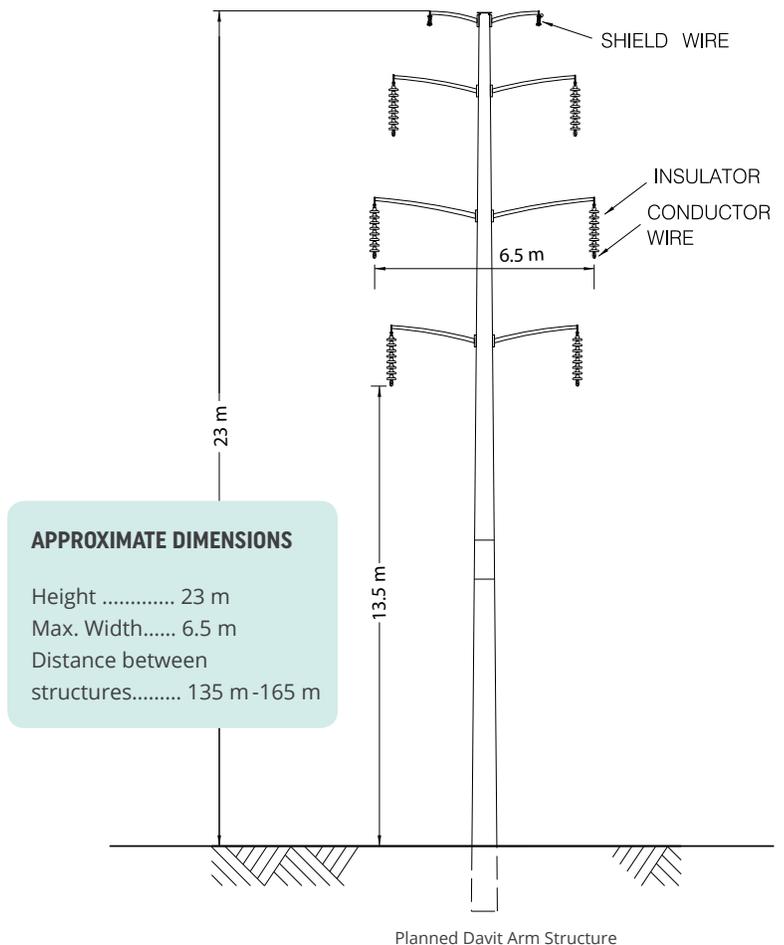
If approved by the Alberta Utilities Commission (AUC), the 144 kV transmission line will be built with double-circuit 'Davit Arm' structures consisting of a single steel pole similar to the one shown here.

Structures will be double-circuit structures. This means they will have the ability to have two sets of three wires strung across them. For this project though, only one set of three wires will be strung across them. Two shield wires will be strung at the top of the structures to protect the line from lightning and allow for communication.

Non-typical structures may be taller in height or have wider bases.

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 provincial safety regulations.

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



Typical right-of-way width for this project – 18 metres

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

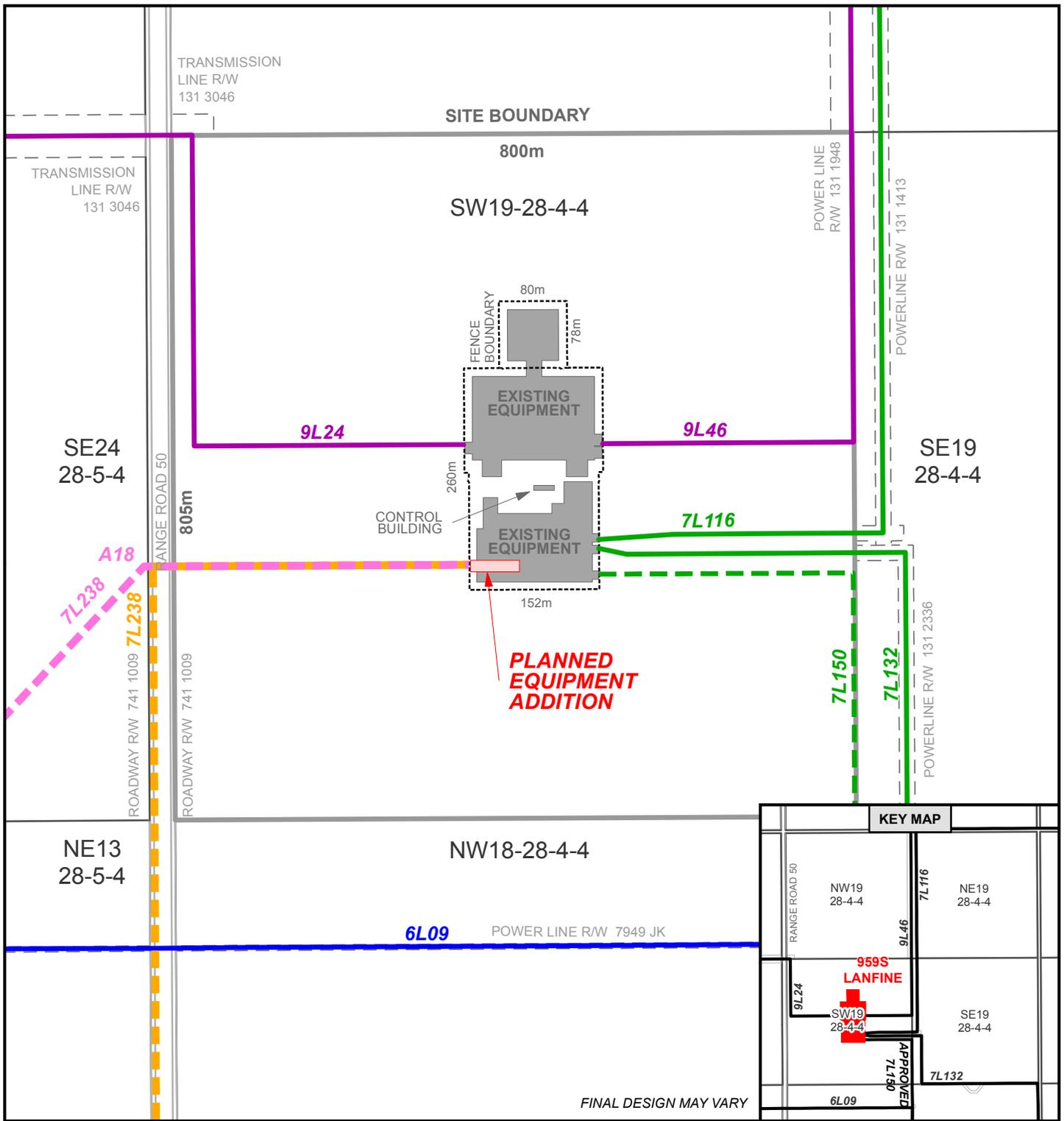
Consultation: A consultation is a meeting where advice, information and views are exchanged.

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).

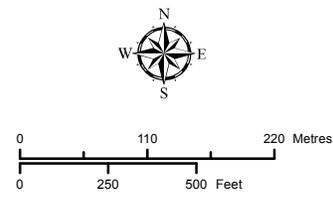
Right-of-way: A right-of-way is the use of a strip of land acquired for the construction and operation of a transmission line. The term right-of-way is also used to refer to the physical space a transmission line encompasses including areas on either side of the line.

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



FINAL DESIGN MAY VARY

- 144 kv Transmission Line Route Concept West Option
- 144 kv Transmission Line Route Concept East Option
- Planned Equipment Addition
- Existing Equipment
- Existing Site Boundary
- Existing Fence
- Existing 240 kV Transmission Line
- Existing 144 kV Transmission Line
- Existing 72 kV Transmission Line
- Approved 144 kV Transmission Line



NOTES:
- Only facilities in the vicinity of the project are shown.



Buffalo Bird to Lanfine
Transmission Project

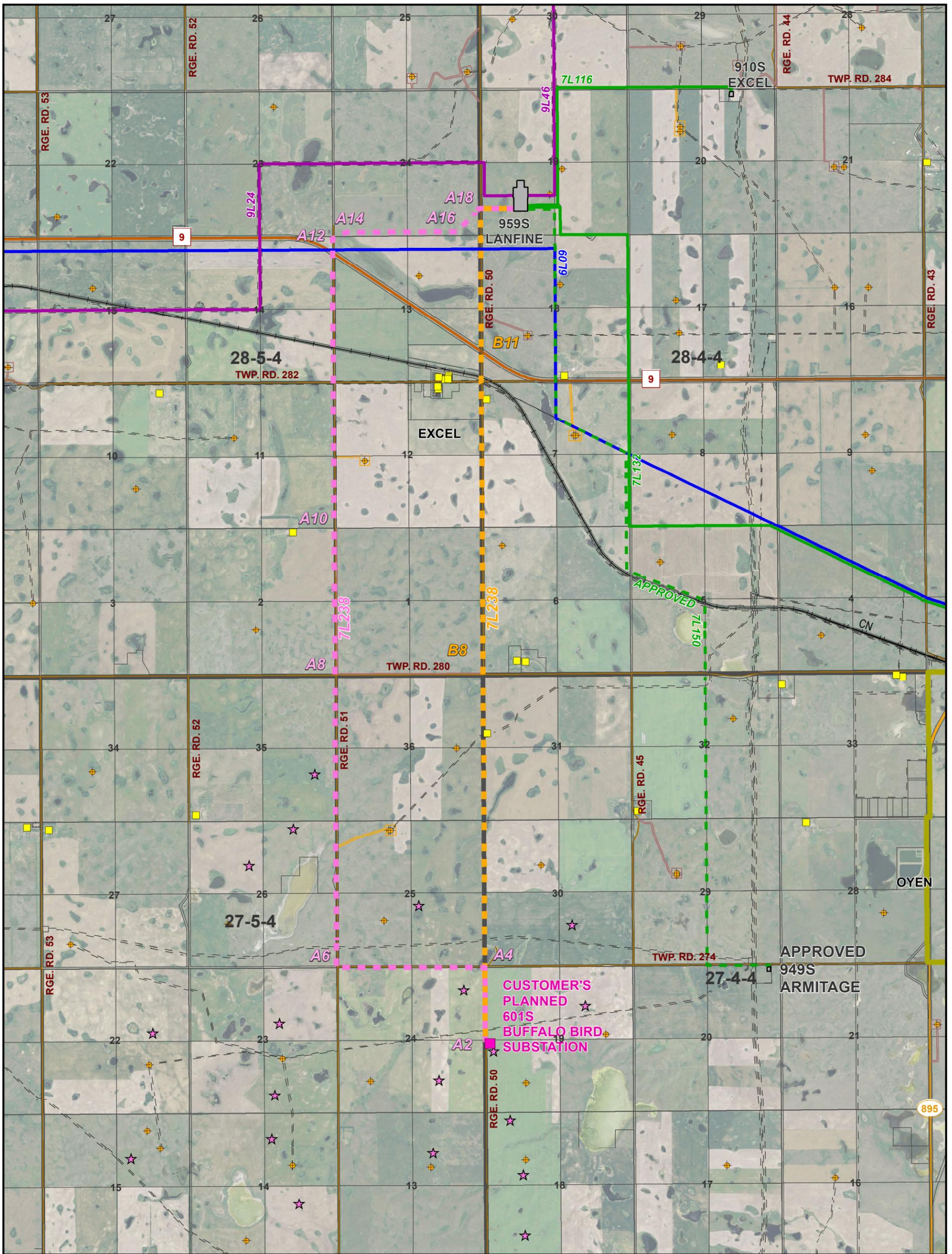
959S LANFINE SUBSTATION
PLANNED SITE LAYOUT

February 2018

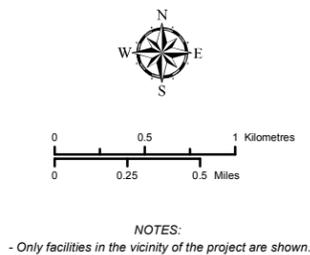
RS-7L238 - N1 - 02

CREDIT NOTES
Alberta Data Partnerships, IHS Markit

This map is the property of ATCO. This map is not intended to be used in place of Alberta One Call.
Always practice extreme caution when near power lines!



- | | | | |
|--|--|--|-----------------------------|
| | Customer's Planned Substation | | Primary Highway |
| | Existing/Approved Substation | | Secondary Highway |
| | 144 kV Transmission Line Route Concept West Option | | Road |
| | 144 kV Transmission Line Route Concept East Option | | Railway |
| | Existing 240 kV Transmission Line | | Existing Easement R/W |
| | Existing 144 kV Transmission Line | | Current Disposition |
| | Existing 72 kV Transmission Line | | Wellsite Existing/Abandoned |
| | Approved 144 kV Transmission Line | | Town |
| | Planned Wind Turbine | | |
| | Surface Well Sites | | |
| | Residence | | |



ATCO

Buffalo Bird to Lanfine
Transmission Project

ROUTE
CONCEPTS
MOSAIC

February 2018

RS-7L238 - N1 - 01

CREDIT NOTES
Alberta Data Partnerships, IHS Markit, ATCO Electric Jan 2018, Valtus

This map is the property of ATCO. This map is not intended to be used in place of Alberta One Call. Always practice extreme caution when near power

Need for the Lanfine North Wind Power Project Connection in the Oyen area

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Lanfine North Wind Power Project (Facility) in the Oyen area. Pattern Development's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kV transmission line to connect the facility to the existing Lanfine 959S substation.
- Modify existing Lanfine 959S Substation, including adding one 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 late 2018.
- The AESO's needs identification document (NID) application will be available on the AESO's website at 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 Oyen 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@aes0.ca
1-888-866-2959

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

www.aeso.ca | [@theaes0](https://twitter.com/theaes0)



SHAPE THE CONVERSATION

BUFFALO BIRD TO LANFINE TRANSMISSION PROJECT

REPLY FORM

10035-105 Street, Edmonton, Alberta, T5J 2V6

CONTACT INFORMATION

Date (DD/MM/YYYY): _____

First Name: _____

Last Name: _____

Company/Organization Name (if applicable):

Mailing Address: _____

Home Phone: _____

Cell Phone: _____

Business Phone: _____

Email: _____

Please help us identify new contacts

You were contacted about this project because ATCO identified you or your company/organization as having a land interest in the vicinity of the project. Is there anyone else associated with your property, such as other owners, renters or occupants, who we should also contact? If so, please provide the name(s), contact information and their land interest.

I would like to receive all future correspondence about this project by Email (If this is your preference, please check the box)

AN IMPORTANT MESSAGE ABOUT PRIVACY: *The information on this form is being collected to identify concerns with proposed changes to and/or the siting of power transmission facilities, and to comply with the Alberta Utilities Commission (AUC) rules regarding the submission of transmission facilities applications. This information may be provided to electric facility owners, Alberta's Surface Rights Board, and the Alberta Electric System Operator. Your comments and personal information may also be publicly accessible through the AUC website, should it be submitted to the AUC as part of a transmission facility application – subject to Alberta's Freedom of Information and Protection of Privacy Act. **If you wish to keep your information confidential, you must make a request to the AUC (403-592-4376).** If you have questions or concerns about your information or how it may be used or disclosed as part of this process, please contact us (see contact information below).*

Please let us know by checking a box below if either statement applies to you:

I do not have concerns with the Project based on the information provided

I have concerns with the Project based on the information provided

Please share any comments or concerns that you have about the Project:

HOW TO SUBMIT: Please use the enclosed envelope to return by mail or fax to 780-420-5030. If you would like more information about the project, please contact us toll free 1-855-420-5775 or by Email: consultation@atcoelectric.com.

Step 6: The public hearing process*

The public hearing process provides an opportunity for those who have been unable to resolve their concerns with the applicant and have made a filing, to express their views directly to a panel of Commission members. The panel reviews the initial filings and grants what is referred to as standing to those who may be directly and adversely affected by the proposed project. Standing is necessary to continue involvement as an intervener in the proceeding which may include the filing of evidence and participation in an oral or written hearing.

The AUC will issue a notice of hearing setting out the hearing date, location and additional process steps and deadlines. An AUC public hearing operates similarly to a court proceeding and is a quasi-judicial process. The general public is welcome to attend as an observer and the hearings are often broadcast online so that those interested can listen-in.

Participants in a hearing can either represent themselves or be represented by legal counsel. In addition, participants may hire experts to assist in preparing and presenting evidence to support their position.

Persons who hire legal counsel or technical experts must be aware that while reimbursement for the costs of legal and technical assistance may be available under Rule 009, recovery of costs is subject to the Commission assessing the value of the contribution provided by counsel and technical experts. People with similar interests and positions are expected to work together to ensure that any expenditures for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision

For electric transmission facilities, the need for transmission development filed by the Alberta Electric System Operator to the AUC must be considered to be correct unless someone satisfies the Commission that the needs application is technically deficient, or that to approve it would be contrary to the public

interest. For electric needs applications, the Commission can either approve, deny, or send the application back with suggestions for change.

Commission decisions made about applications filed for a specific utility development, including electric transmission lines, gas utility pipelines and power plants, may be approved, approved with conditions or denied. Decisions are typically released within 90 days from the close of the record as a written report. The decision, available on the AUC website, will summarize the Commission's findings and state its reasons for the decision with any conditions or approval time limits if applicable.

Sometimes needs and facility applications are considered together in a single proceeding.

Step 8: Right to appeal

A participant in a hearing who is dissatisfied with the decision of the Commission may request that the Commission review and vary its decision. Such a request must follow the procedure set out in Rule 016: *Review of Commission Decisions*.

A dissatisfied participant may also file a leave to appeal motion in the Court of Appeal of Alberta within 30 days from the date the decision is issued.

Step 9: Construction and operation

Any applicant that receives a permit to construct and licence to operate a facility from the Commission must adhere to any conditions that were set out in the decision. If you notice something during the construction or operational phases of a project that concerns you, bring this to the applicant's attention. If you are not satisfied with the response you receive, please bring your concerns to the attention of the AUC.

***Denotes opportunity for public involvement**

The Alberta Utilities Commission is committed to ensuring that Albertans whose rights may be directly and adversely affected by utility development in Alberta have the opportunity to have their concerns heard, understood and considered. If you believe you may be directly and adversely affected, you can become involved in the AUC application and review process.

Contact information

Phone: 780-427-4903
Email: consumer-relations@auc.ab.ca

Dial 310-0000 prior to the 10-digit numbers for toll-free access anywhere in Alberta.

Information session

It is our goal to ensure that you understand the process, and your opportunities for involvement in proceedings to consider utility development applications. For those interested in having an AUC staff member further explain the application and review process or answer questions you may have about your involvement in utility development proceedings, please contact us as we may schedule a formal information session for you. The virtual information session on our website, found under Involving Albertans, will also provide you with further details which could assist you in understanding the process and having your say in a utility development proceeding.

This brochure provides general information only. Specific participation opportunities may differ depending on the type of application.

Public involvement in a proposed utility development

Understanding your rights and options for participating in a proceeding to consider applications for a proposed project in your area

Application process

Step 1*

Public consultation by the applicant.

Step 2

Application filed with the AUC.

Step 3

The AUC issues a notice of application or notice of hearing.

Step 4*

Interested parties submit filings to the AUC with any outstanding issues or objections.

If the AUC does not receive any submissions, the application will be reviewed and a decision may be made without a hearing.

Step 5*

The AUC issues a notice of hearing, if it was not already issued in Step 3.

- Continued opportunity for consultation and negotiation with the applicant.

Step 6*

Public hearing.

Step 7

The AUC issues its decision. Below are the options the AUC may consider for:

Needs applications from the Alberta Electric System Operator:

- Approval of application.
- Return to the Alberta Electric System Operator with suggestions.
- Denial of application.

Facilities applications:

- Approval of application.
- Approval of application with conditions.
- Denial of application.

Step 8

Option to appeal decision or ask the AUC to review its decision.

Step 9

Approvals, construction and operation of facility, if approved.

Having your say

Early discussions with the applicant about proposed utility developments will often result in greater influence on what is filed in the application for approval. Utility developments include natural gas pipelines, electric transmission lines and substations (including Alberta Electric System Operator needs identification documents), and power plants. Should you have concerns related to a proposed utility development, it is best to have early and ongoing discussions with the applicant.

If your objections cannot be resolved, or you have outstanding concerns upon the filing of an application with the AUC, you have an opportunity to submit an initial filing with your objections in writing to the AUC containing the following information:

- How you may be affected by the proposed project and the location of your land or residence in relation to it or any alternative proposed in the application.
- The potential effect the proposed project may have on your property or interest in the property .
- A description of the extent to which you may be affected, and how you may be affected in a different way or to a greater degree than other members of the general public.

Following this initial filing, you may be able to fully participate in the proceeding. This could include having legal representation and participation in a public hearing. It is important to note that any applied for routes and segments (preferred and alternate) could be chosen as the approved route in the AUC decision.

Step 1: Public consultation prior to application*

Prior to filing an application with the AUC for the approval of a proposed utility development, the applicant is required to conduct public consultation in the area of the proposed project, so that concerns may be raised, addressed and if possible, resolved.

The requirements for consultation and notification, namely the participant involvement requirements, are set out in Rule 007 for electric facilities and Rule 020 for gas utility pipelines.

Potentially affected parties are strongly encouraged to participate in the initial public consultation, as early involvement in discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

Step 2: Application to the AUC

When the participant involvement requirements have been completed, the proponent of the utility development files an application with the AUC. The application must indicate the issues which came up during the public consultation and any amendments considered or made to the project. Any unresolved objections or concerns which arose from the public consultation must be identified in the application.

*Denotes opportunity for public involvement

Step 3: Public notification

The Commission will issue a notice when it receives an application that, in the Commission's opinion, may directly and adversely affect the rights of one or more people. The notice is typically sent by mail to residents in the project area and may also be published in local newspapers. The notice will provide key dates, contacts and participation information for those interested in becoming involved in the application process.

Step 4: Public filings to the AUC*

If you have unresolved objections or concerns about the proposed project filed with the AUC for approval and wish to participate in an AUC proceeding, you must make an initial written filing. Your filing must include your contact information, concern or interest in the application, an explanation of your position and what you feel the AUC should decide. Please be aware that any information or materials filed with the AUC, except information granted confidentiality, is available to the public.

Filing your concerns

The eFiling System is a web-based tool created to manage applications and filings made to the AUC through a proceeding-based review. This system gives access to all public documents associated with applications filed with the AUC and is the most efficient way to provide your input to the AUC and monitor the related proceeding filings.

Those who do not have access to the Internet can send filings, evidence and other material by mail or fax and the AUC will upload the submission on your behalf.

Participant cost reimbursement

A person determined by the Commission to be a local intervener can apply for reimbursement of reasonable costs incurred while participating in an AUC proceeding. Details regarding recovery of participants' costs are described in Rule 009: *Rules on Local Intervener Costs*.

Step 5: Consultation and negotiation*

The Commission supports ongoing efforts to reach a positive outcome for the applicant and all affected parties. The Commission encourages the applicant and those who have made filings to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, typically those matters will be addressed at an AUC public hearing.

Attachment 6 – ATCO’s Project Newsletter – Buffalo Bird to Lanfine Transmission Project (May 2020)

May 8, 2020

Project Update: Buffalo Bird to Lanfine Project

In October 2018, ATCO Electric Ltd. (ATCO) sent you information about plans for the Buffalo Bird to Lanfine Project. If approved, the project will include the construction of approximately 14 kilometres (km) of 144 kV transmission line in the Oyen area. This letter provides you with an update on the status of the project and outlines the changes to the project's design and timelines.

Project Status

ATCO plans to submit our facilities application for this project to the Alberta Utilities Commission (AUC) in August 2020. You may receive a Notice of Application from the AUC shortly afterwards providing you with information on the approvals process. Please note that project timing and details may be adjusted as plans are finalized.

The Need Overview Update from the Alberta Electrical System Operator (AESO) is attached for your information.

Project Changes

Since we last contacted you, the Project has undergone further engineering refinements and the following changes have been made to the proposed transmission line structure. Instead of using a double-circuit structure described in previous communications, the project will be proceeding with a single circuit structure. A figure illustrating the new structure design is attached. ATCO is intending to position the structure in the same location as previously planned.

Route Changes

Since we last contacted you, we have found opportunities to improve routing on the West Route Option for better compatibility with existing land use and reducing the number of corner structures. This Variation to the West Route Option is shown on the attached Selected Route Mosaic Map. If you own or occupy land in the vicinity of the Variation, then your package will also contain a Facility Detail Map, showing the temporary workspace and access trail required to accommodate construction.

Schedule Changes

The project schedule has been updated as well, reflecting the changes to the project:

- Facility Application filed with the AUC – August 2020
- Anticipated date for approvals – January 2021
- Construction start for Transmission Line – September 2021
- Construction start for Substation – March 2022
- In-Service Date – September 2022

Next Steps

Consultation for this Project is ongoing. In the coming weeks, ATCO will be contacting you to obtain additional or new feedback you have on the project. Although it is not always possible to alleviate all participants concerns, ATCO will continue to address outstanding concerns where reasonably practical.

Thank you for your engagement on the project so far. We appreciate you taking the time to provide us with valuable feedback. Please contact us at your earliest convenience should you have any questions or comments regarding the Project.

Sincerely,



Foster Karcha

Project Planner

ATCO

Toll Free: 1-855-420-5775

E-mail: consultation@atcoelectric.com

Attachments:

Updated Structure Drawing;

Selected Route Mosaic Map;

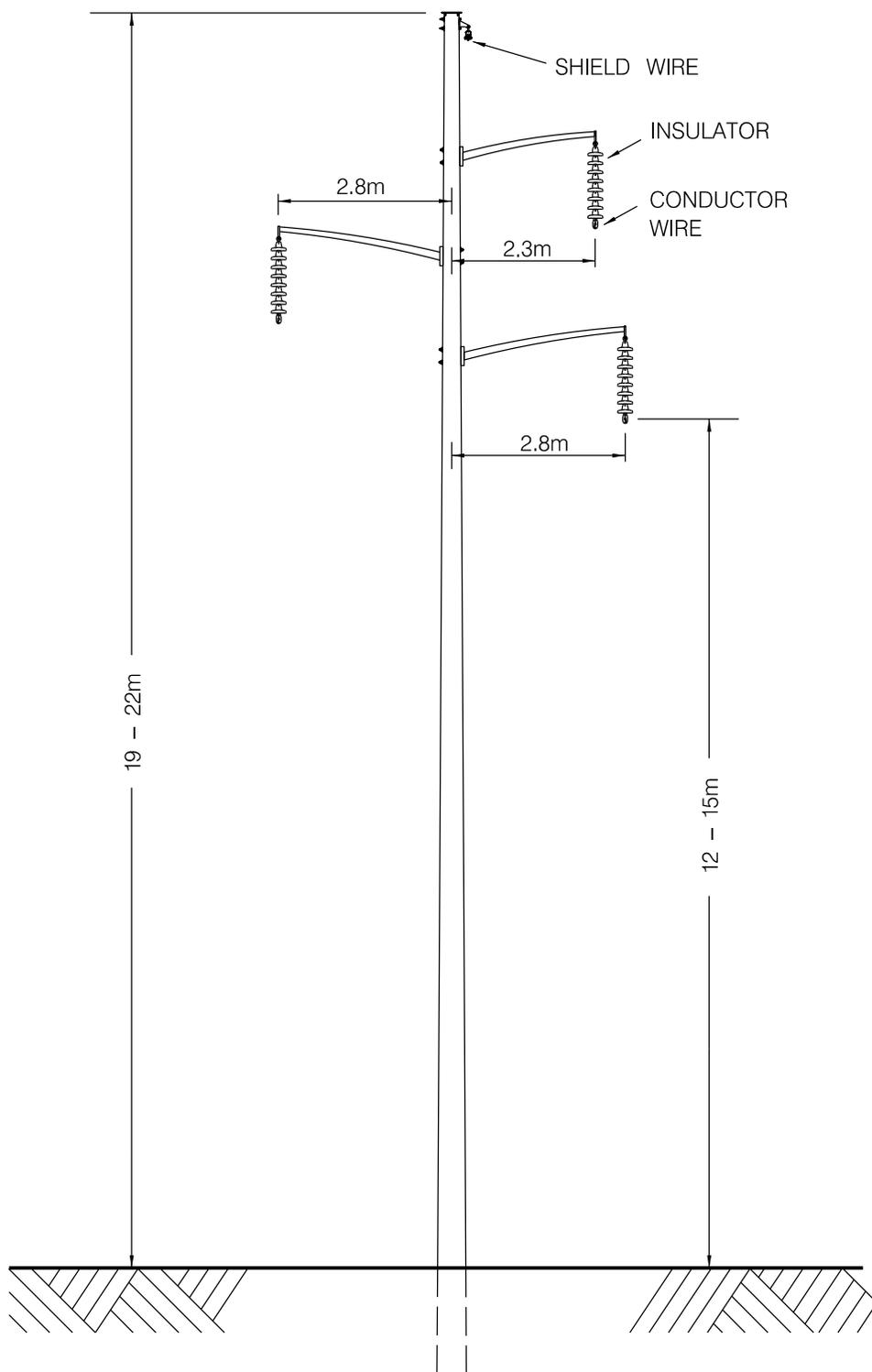
Facility Detail Map, map is included if affecting your land interest;

Updated AESO Need Overview;

AUC Brochure;

Reply Form with Postage Paid Envelope.

Typical Single-Circuit 144 kV "Davit Arm" Structure



Approximate Dimensions	
Height.....	19 to 22m
Max.Width.....	6m
Distance Between Structures.....	120 to 150m



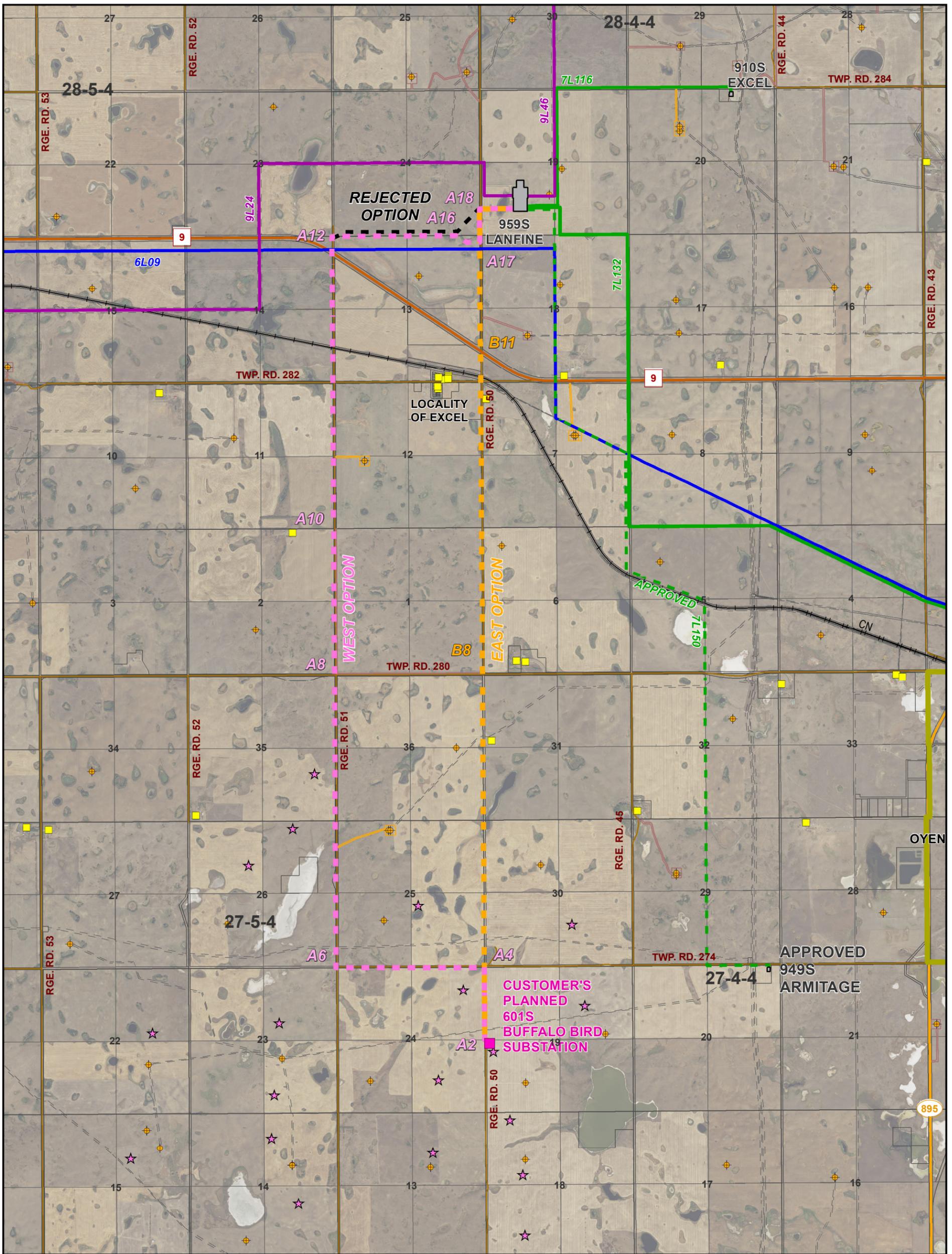
144 kV Transmission Project

TYPICAL STRUCTURE
"T-W-311" DAVIT ARM

Details may change with final designs and locations

Drawn by: TF

Approved by: LJ



Customer's Planned Substation	Residence
Existing/Approved Substation	Primary Highway
144 kV Transmission Line Selected Route West Option	Secondary Highway
144 kV Transmission Line Selected Route East Option	Road
Rejected Route	Railway
Existing 240 kV Transmission Line	Existing Easement R/W
Existing 144 kV Transmission Line	Current Disposition
Existing 72 kV Transmission Line	Wellsite Existing/Abandoned
Approved 144 kV Transmission Line	Town
Planned Wind Turbine	
Surface Well Sites	

NOTES:
- Only facilities in the vicinity of the project are shown.

**Buffalo Bird to Lanfine
Transmission Project**

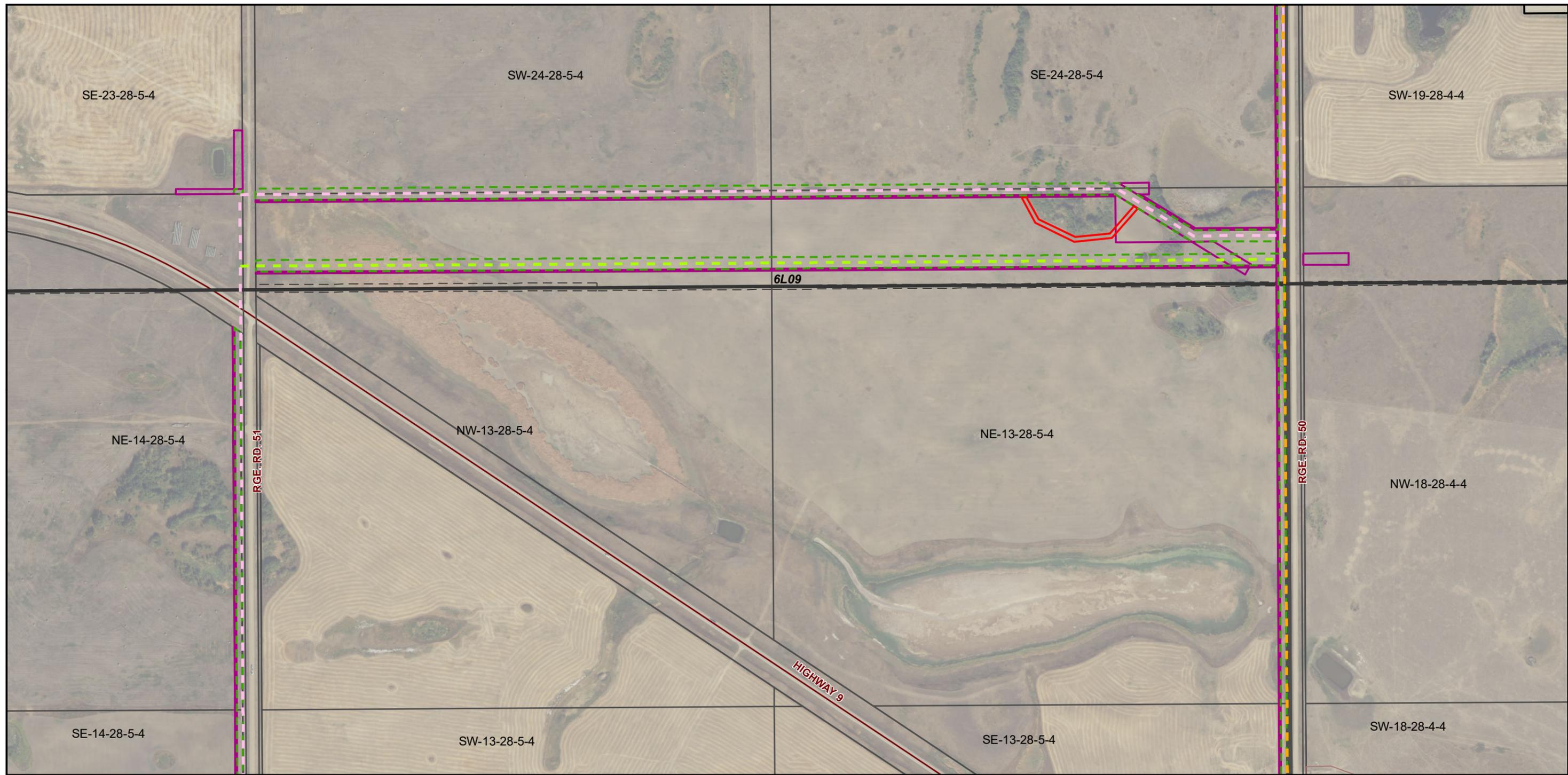
**SELECTED ROUTES
MOSAIC MAP**

October 2018

RS-7L238 - N2 - 01

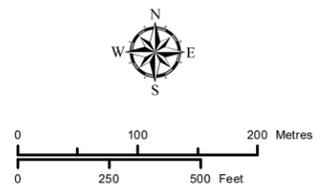
CREDIT NOTES
 Alberta Data Partnerships, IHS Markit, ATCO Electric Jan 2018, Valtus Imagery Services 2017

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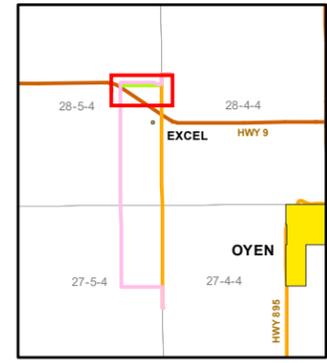
- 144 kV Transmission Line Selected Route West Option
- 144 kV Transmission Line Selected Route West Variation Option
- 144 kV Transmission Line Selected Route East Option
- Proposed Right of Way
- Proposed Temporary Workspace
- Proposed Access Trail
- Residence
- Existing Easement R/W

CREDIT NOTES
 Alberta Data Partnerships, Government of Alberta, Government of Canada, IHS Markit
 Valtus Imagery Services 2017



NOTES:
 - Only facilities in the vicinity of the project are shown.

This map is the property of ATCO. This map is not intended to be used in place of Alberta One Call.
 Always practice extreme caution when near power lines!



INDEX MAP



**Buffalo Bird to Lanfine
 Transmission Project**

**NEW FACILITY DETAIL MAP
 MAP 1 of 1**

May 2020
 RS-7L238 - N2 - 03 - 1

Need for the Lanfine North Wind Power Project Connection in the Oyen and Holden areas

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the AESO for transmission system access to connect its approved Lanfine North Wind Power Project (Facility) in the Oyen area. Distribution of the original AESO Need Overview began in May 2018. The AESO has since revised its proposed schedule and identified the need for development in the Holden area, as described below. Pattern Development's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing Lanfine 959S substation.
- Modify the existing Lanfine 959S substation, including adding one 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2020.
- The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/stakeholder-engagement/transmission-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 & ALTALINK

- Are the transmission facility owners (TFO) in their respective service areas:
 - ATCO is the TFO in the Oyen area.
 - AltaLink is the TFO in the Holden area.
- Are responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities within their respective service areas.
- Will coordinate the proposed transmission development described above.
- Are regulated by the AUC and must apply to the AUC for approval of their 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
1-888-866-2959

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

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

Step 5: Consultation and negotiation (if applicable)*

The Commission supports ongoing efforts to reach an agreeable outcome for the applicant and all affected parties. The Commission encourages the applicant and those who have filed a statement to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, those matters will typically be addressed at an AUC hearing.

Step 6: The public hearing process*

The AUC will issue a notice of hearing if there continues to be legitimate unresolved concerns with the application. The notice of hearing will provide a hearing date and location in addition to a process schedule. The AUC conducts public hearings in its Edmonton and Calgary hearing rooms and, where suitable venues exist, in communities closer to the proposed project area.

The public hearing process allows persons with standing that have unresolved concerns about the application, to express their views directly to a panel of Commission members.

An AUC hearing is a formal, evidence-based, court-like proceeding. The public can attend the hearing in person or listen to hearings online through the AUC's website.

Participants in a hearing can either represent themselves or be represented by a lawyer. In addition, participants may hire experts to assist in preparing and presenting evidence to support their position.

Cost assistance

A person determined by the Commission to be a local intervener can apply for reimbursement of reasonable costs. Those who hire a lawyer or technical experts must be aware that while reimbursement for the costs of legal and technical assistance is available under AUC Rule 009: *Local Intervener Funding*, recovery of costs is subject to the Commission assessing the value of the

contribution provided by the lawyer and technical experts. People with similar interests and positions are expected to work together to ensure that expenditures for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision

The AUC's goal is to issue its written application decision no more than 90 days after the hearing is complete. The Commission can approve, or deny an application and can also make its approval conditional upon terms or conditions. All AUC decision reports are available to any member of the public on the AUC's website or by obtaining a printed copy from the AUC.

Step 8: Opportunity to appeal

An applicant or dissatisfied participant may formally ask the Court of Appeal of Alberta for permission to appeal a Commission decision. An application for permission to appeal must be filed within 30 days from the date the decision is issued.

An applicant or dissatisfied participant can also ask the Commission to review its decision. An application to review a Commission decision must be filed within 60 days from the date the decision is issued and satisfy the limited grounds described in AUC Rule 016: *Review and Variance of Commission Decisions*.

Step 9: Construction, operation and compliance

An applicant that receives approval to build and operate a facility from the Commission must adhere to any conditions that were set out in that approval. If concerns about compliance with approval conditions and post-construction operations cannot be resolved with the applicant, they can be brought to the AUC's attention for consideration. The AUC has significant compliance and enforcement powers for all approved applications. Additional information is available on the AUC website under "Compliance and enforcement."

*Opportunity for public involvement

The Alberta Utilities Commission is an independent, quasi-judicial agency of the Government of Alberta that ensures the delivery of Alberta's utility services take place in a manner that is fair, responsible and in the public interest.

Contact us

Phone: 310-4AUC (310-4282 in Alberta)
1-833-511-4AUC (1-833-511-4282 outside Alberta)
Email: info@auc.ab.ca

Eau Claire Tower 1400, 600 Third Avenue S.W. Calgary, Alberta T2P 0G5	106 Street Building 10th Floor, 10055 106 Street Edmonton, Alberta T5J 2Y2
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The Alberta Utilities Commission is committed to ensuring that Albertans whose rights may be directly and adversely affected by a utility development project are informed of the application and have the opportunity to have their concerns heard, understood and considered.



Participating
in the AUC's
independent
review process

Application review process

Step 1: Public consultation prior to application by proponent

Step 2: Application filed with the AUC

Step 3: Public notice issued by the AUC

Step 4: Public submissions to the AUC

Step 5: Consultation and negotiation

Step 6: The public hearing process

Step 7: The decision

Step 8: Opportunity to appeal

Step 9: Construction, operation and compliance

www.auc.ab.ca

The AUC's regulatory role in needs and facility applications and its independent review and hearing process:

The AUC uses an established process, outlined in this brochure, to review social, economic and environmental impacts of facility projects to decide if approval is in the public interest. Approvals from the AUC are required for the construction, operation, alteration and decommissioning of transmission lines and electric substations.

Approvals are required for:

- The need for transmission upgrades.
- The route and location of transmission facilities.
- The siting of power plants, including renewables such as wind and solar more than five megawatts.

Sometimes a needs application is considered together with a facility application in a single hearing; sometimes separate hearings may be held to consider each application.

Step 1: Public consultation prior to application*

Prior to filing an application with the AUC for the approval of a proposed utility development, the applicant must engage in a public consultation program in the area of the proposed project, so that concerns may be raised, addressed and, if possible, resolved.

The application guidelines and requirements for facility applications can be found in AUC Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations and Hydro Developments*, and AUC Rule 020: *Rules Respecting Gas Utility Pipelines*.

Potentially affected parties are strongly encouraged to participate in the initial public consultation, as early involvement in discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

The Alberta Electric System Operator, as the system planner, will notify potentially affected stakeholders of applications on the need for transmission development.

Step 2: Application filed with the AUC

When the participant involvement requirements have been completed, the applicant files its application with the AUC through a public filing system, called the eFiling System, on the AUC website.

The application is then reviewed to ensure the information required by the Commission is included. If the required information is not provided, the AUC may close the application or request more

information from the applicant. In the application, any issues that were raised during the public consultation and any related amendments to the proposal should be identified. All unresolved objections or concerns identified during the public consultation must be described in the application.

Step 3: Public notice

The AUC generally issues a notice by mail directly to those who live, operate a business or occupy land in the project area who may be affected by the Commission's decision on the proposed project. The notice for larger facility projects with potentially greater impacts may also be published in local newspapers.

The notice will specify a submission deadline. The information required by this deadline is general in nature as outlined in Step 4. Additional opportunities to provide evidence and additional information will arise after this deadline.

Step 4: Public submissions to the AUC*

The AUC review process is referred to as a proceeding. Anyone with unresolved objections or concerns about the application can file a brief written statement with the AUC on the proceeding. The easiest way to file a statement is to fill out the form through the eFiling System found on the AUC website. The statement must include your contact information, where you reside or own property in relation to the proposed facility, your concern or interest in the application, an explanation of your position and what you feel the AUC should decide.

The AUC uses the information it gathers through the forms to decide whether to hold a hearing on the application(s). The Commission must hold a hearing if a person can demonstrate that he or she has rights that may be directly or adversely affected by the Commission's decision on the application. Such a person is said to have standing before the Commission. If the AUC decides to hold a hearing, the AUC will provide further opportunities for participants with standing to understand the application and present their position on the application either in writing or in person.

Subject to some limited exceptions, all information and materials provided as part of an AUC proceeding will become part of the public record and will be available through the eFiling System. The AUC's treatment of some types of information as confidential is rare and only available under limited circumstances to ensure that the AUC's process is open and transparent.

AUC eFiling System

The eFiling System is the tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application and is how to provide your input to the AUC and monitor the related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.

***Opportunity for public involvement**

Attachment 7 – AltaLink’s Project Newsletter – North Hold Fibre Optic Build (May 2020)

Electric system improvements near you

North Holden Fibre Optic Build

You are receiving this newsletter because you are near the North Holden Fibre Optic Build and we want your input.

Pattern Development Lanfine Wind ULC. (Pattern) is proposing to develop a wind power project called Lanfine North near Oyen. To support this project, AltaLink is proposing communications equipment upgrades that are required to ensure the safe and reliable operation of the **transmission** system. These upgrades include the addition of underground **fibre optic cable**, which will provide the appropriate telecommunication links for the project.

Although AltaLink's project is required to facilitate the connection of Pattern's project, it is a separate project. Pattern will consult separately on their proposed wind power facility. For more information about the Pattern project, please find their contact information on the back page of this newsletter.

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.

DEFINITION:

Transmission

Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used.

Transmission lines transport large amounts of power over long distances from power plants across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

Fibre optic cable

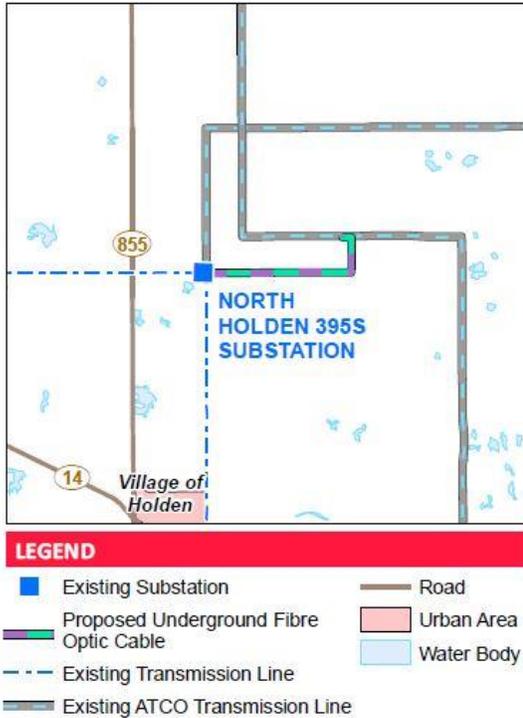
AltaLink's fibre optic cables transmit data signals between substations and are part of a larger telecommunications system in Alberta. This telecommunications system allows AltaLink control centres to actively monitor the electric system, ensuring it runs safely and reliably.

CONTACT US

1-877-269-5903

stakeholderrelations@altalink.ca

www.altalink.ca/projects



Above: Fibre optic cable being buried. You may see similar construction activities in your area.



Above: The North Holden Substation

Project details

AltaLink's proposed project is located in Beaver County, approximately five kilometres (km) north of the Village of Holden. Pattern's project is located approximately 245 km southeast of AltaLink's proposed project.

AltaLink is proposing to install approximately four km of underground fibre optic cable from a structure on an existing ATCO Electric transmission line to AltaLink's North Holden Substation.

The fibre optic cable will be located within ATCO Electric's transmission line **right-of-way** and public road allowance. When located in the right-of-way, the fibre optic cable will require an additional right-of-way of approximately five metres (m). When located in public road allowance, the fibre optic cable will be located approximately one m within the road allowance boundary.

The fibre optic cable will be buried at least one m underground when located on private property and when in road allowance. It will not be visible after construction is complete.

During construction, you may notice work crews, heavy equipment, and materials at and around the construction sites. Crews will only operate during regular work hours, and there may be some temporary traffic delays during construction. To minimize disruption, we will be notifying nearby residents and landowners a few weeks before construction activities begin in your area.

Temporary construction access and workspace will be located on private property, along road allowance, and on land owned by AltaLink. Up to 10 metres of construction workspace may be required adjacent to the right-of-way and road allowance.

Where construction activities are required to take place on private property, we will contact you in advance to discuss the specific dates and times that we will require access to your property.

AltaLink offers fair market value for the land at the time of acquisition and this will be discussed on an individual basis with the landowner.

DEFINITION:

Right-of-way

A right-of-way (ROW) is a strip of land required for the construction, maintenance and safe operation of a transmission line. A ROW refers to the physical space in which a transmission line is located and includes areas on either side of the transmission line structures and the conductors, which are the wires that carry the electricity.

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people may 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 (WHO) 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 high voltage transmission lines. 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

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. As the situation regarding COVID-19 changes we will re-assess this approach and 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*.

Although AltaLink's project is required to facilitate the connection of Pattern's project, other companies may also use the underground fibre optic cable to connect to Alberta's electrical grid. To minimize additional contact with stakeholders, we're asking for your consent to use your information, input and concerns that we collect during consultation on this project for any other potential projects that will require use of this fibre optic cable within the next 24 months.

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	Spring 2020
File application with Alberta Utilities Commission (AUC)	Summer 2020
Start construction if project is approved	Spring 2022
Construction completed	Fall 2022

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:

ALATALINK

1-877-269-5903 (toll free)

E-mail: stakeholderrelations@altalink.ca

Website: www.altalink.ca/projects

To learn more about Pattern's wind project, please contact:

PATTERN DEVELOPMENT LANFINE WIND ULC.

Pat Bowes

403-852-4755

E-mail: pbowes@bowark.com

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

The Alberta Electric System 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 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

For general information relating to telecommunications systems, please contact:

INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT CANADA

Canada Place Building

9700 Jasper Avenue NW, Room 725

Edmonton, Alberta T5J 4C3

1-800-267-9401 (toll free in Canada)

Website: <http://www.ic.gc.ca/towers>

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 or contact us directly via e-mail 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
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

LET'S TALK TRANSMISSION



www.twitter.com/altalink



www.facebook.com/altalinktransmission

Attachment 8 – AESO Market Participant Notification Letter (September 18, 2020)

September 18, 2020

Notified Market Participant Corporate Legal Name
Address Line 1.
Address Line 2.
City, Province, Postal Code.

Dear **Notified Market Participant Primary Contact:**

Re: **Approved Generating Facility Connections in the AESO's Central Planning Region**

The Alberta Electric System Operator (AESO) would like to advise you that Paintearth Wind Project Ltd. and Pattern Development Lanfine Wind ULC have each applied for transmission system access to connect their approved Paintearth Wind Project and Lanfine North Wind Power Project (approved Facilities) to the Alberta interconnected electric system (AIES) in the AESO's Central Planning Region.

Copies of the applicable AESO Need Overview documents are attached for your information. The AESO Need Overview documents describe the AESO's proposed transmission development to connect each of the approved Facilities to the AIES and the AESO's next steps, which includes submitting needs identification document (NID) applications to the Alberta Utilities Commission (AUC) for approval.

The purpose of this letter is to advise you that the AESO has identified that, under credible worse case forecast conditions, the operation of the **[Effective Generation Facility Name] ([Effective Generation Facility Asset ID])** may be affected following the connection of either of the above noted approved Facilities.¹

Connection Assessment Findings

Engineering connection assessments were carried out by the AESO to assess the transmission system performance following the connection of the approved Facilities. The connection assessments identified the potential for thermal criteria violations following the connection of the Paintearth Wind Project, under credible worse case forecast conditions, with all transmission facilities in service (Category A). In addition, thermal criteria violations were also identified when a single transmission facility is out of service (Category B) following the connection of either of the approved Facilities.

Should the AESO determine that mitigation is required to address potential thermal criteria violations under Category A conditions, the AESO may develop operational procedures or other mitigation measures until the approved Provost to Edgerton and Nilrem to Vermilion Transmission System Reinforcement project is in place. In addition, to address potential thermal criteria violations under Category B conditions, the AESO may implement new remedial action schemes (RASs) or other mitigations, as required.

The AESO may also make use of real-time operational procedures to mitigate these potential thermal criteria violations, in accordance with [Section 302.1 of the ISO rules, Real Time Transmission Constraint](#)

¹ The studies were performed assuming the following Rate STS, *Supply Transmission Service*, contract capacities: the Paintearth Wind Project Connection, Rate STS of 150 MW; and the Lanfine North Wind Power Project Connection, Rate STS of 145 MW.

Management (TCM Rule), which is in effect today. When applied, the TCM Rule could result in the AESO issuing directives for curtailment to source assets that are effective in managing a constraint.

The connection assessment identified source assets, including the **[Effective Generation Facility Name]** (**[Effective Generation Facility Asset ID]**), which are effective in mitigating the potential transmission constraints.

If the AESO determines that congestion will arise under Category A conditions, the AESO will make an application to the AUC to obtain approval for an “exception” under Section 15(2) of the *Transmission Regulation*. The AESO will notify market participants if and when the AESO determines it is necessary to apply to the AUC for approval of such an exception.

For Further Information

The engineering connection assessment will be included in the AESO’s amended Paintearth Wind Project Connection NID application and the AESO’s Pattern Lanfine North Wind Power Project Connection NID application. Following submission of the NID applications to the AUC, the NID applications will be posted on the AESO website at: <https://www.aeso.ca/grid/projects/>

If you have any questions or concerns, please contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca

Attachments:

AESO Need Overview Update: *Need for the Paintearth Wind Project Connection in the Halkirk area*

AESO Need Overview Update: *Need for the Pattern Lanfine North Wind Power Project Connection in the Oyen and Holden areas*

Need for the Paintearth Wind Project Connection in the Halkirk area

Paintearth Wind Project LP (Paintearth), by its general partner Paintearth Wind Project Ltd., has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its approved Paintearth Wind Project (Facility) in the Halkirk area.

Distribution of the original AESO Need Overview began in May 2017 and the AESO filed a needs identification document (NID) application in December 2017. As a result of a change in schedule, the AESO determined that an amendment to the filed NID application will be required. The AESO intends to submit the amended NID as described below.

Paintearth's request can be met by the following solution:

PROPOSED SOLUTION

- Add the proposed Pioneer 805S substation, including two 240 kilovolt (kV) circuit breakers.
- Add two 240 kV transmission lines to connect the proposed Pioneer 805S substation to the existing 240 kV transmission line 9L93 in an in-and-out configuration.
- Add one 240 kV transmission line to connect the Facility to the proposed Pioneer 805S substation.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- The AESO has determined that the NID application submitted in December 2017 needs to be amended. The AESO now intends to submit the amended NID application to the Alberta Utilities Commission (AUC) for approval of the need in late 2020.
- The AESO's needs identification document (NID) application will be available on the AESO's website at 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 Halkirk 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)

Need for the Lanfine North Wind Power Project Connection in the Oyen and Holden areas

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the AESO for transmission system access to connect its approved Lanfine North Wind Power Project (Facility) in the Oyen area. Distribution of the original AESO Need Overview began in May 2018. The AESO has since revised its proposed schedule and identified the need for development in the Holden area, as described below. Pattern Development's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing Lanfine 959S substation.
- Modify the existing Lanfine 959S substation, including adding one 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2020.
- The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/stakeholder-engagement/transmission-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 & ALTALINK

- Are the transmission facility owners (TFO) in their respective service areas:
 - ATCO is the TFO in the Oyen area.
 - AltaLink is the TFO in the Holden area.
- Are responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities within their respective service areas.
- Will coordinate the proposed transmission development described above.
- Are regulated by the AUC and must apply to the AUC for approval of their 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)

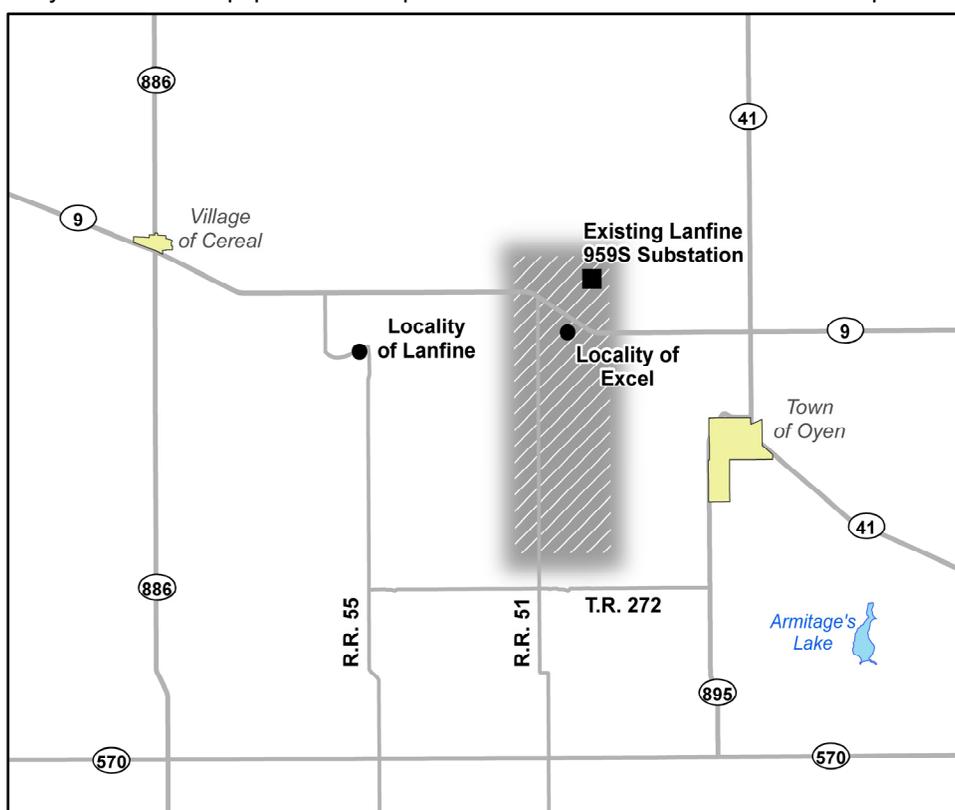
Attachment 9 – AESO Public Notification of NID Filing Website Posting (November 2020)

Notification of Needs Identification Document Filing Addressing the Need for the Lanfine North Wind Power Project Connection in the Oyen and Holden Areas

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Lanfine North Wind Power Project Connection with the Alberta Utilities Commission (AUC) on or after December 8, 2020.

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the AESO for transmission system access to connect its approved Lanfine North Wind Power Project (Facility) in the Oyen area. Pattern Development's request can be met by the following solution:

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing Lanfine 959S substation.
- Modify Lanfine 959S substation, including adding one 144 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 Lanfine 959S substation, which is at SW-19-28-4W4. The grey shaded area on the map indicates the approximate location of the proposed transmission developments, including the 144 kV transmission line. The specific transmission facilities may extend beyond the grey shaded area shown.

ATCO Electric Ltd. is the transmission facility owner (TFO) in the Oyen area. In May 2018, the AESO and the TFO began presenting this need to stakeholders, including residents, occupants, and landowners. The AESO will apply to the AUC for approval of the need for this transmission development. Once filed with the AUC, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/pattern-lanfine-north-wind-power-project-connection-in-the-oyen-area/>

In a separate application, called a Facility Application, the TFO will provide more details about the specific facilities associated with the AESO's proposed transmission development, and will request AUC approval to construct and operate these facilities.

For more information, please visit our website, www.aeso.ca or contact us at 1-888-866-2959 or stakeholder.relations@aeso.ca.

Attachment 10 – AESO Stakeholder Newsletter NID Filing Notice (November 5, 2020)

November 5, 2020

AESO Stakeholder Newsletter



Lanfine North Wind Power Project Connection – Notice of NID Filing

Pattern Development Lanfine Wind ULC (Pattern Development) has applied to the AESO for transmission system access to connect its approved Lanfine North Wind Power Project (Facility) in the Oyen area. Pattern Development's request can be met by the following solution:

- Add one 144 kV transmission line to connect the Facility to the existing Lanfine 959S substation.
- Modify Lanfine 959S Substation, including adding one 144 kV circuit breaker.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file the Lanfine North Wind Power Project Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after Dec. 8, 2020 requesting that the AUC approve this NID.

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 > Lanfine North Wind Power Project Connection to see all the relevant documents, including the NID application once it is filed with the AUC.