

1. Introduction

From March 2021 to September 2024, the AESO conducted a Participant Involvement Program (PIP) for the Lindbergh Cogeneration Power Plant Alteration Connection (formerly the Cold Lake Area Energy Centre Project Connection). The AESO directed the legal owner of transmission facilities (TFO), in this case ATCO Electric Ltd., to assist the AESO in providing notification as part of the AESO's PIP.

The AESO's PIP is designed to notify Stakeholders and Indigenous groups in the area where the AESO has reasonably determined that facilities could be installed to implement the AESO's preferred option to respond to the request for system access service.

The AESO's PIP has been conducted in accordance with the requirements of Section 7.1.2, NID12 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective March 28, 2024.

2. Stakeholder & Indigenous Groups Notification

The AESO developed a one-page AESO Need Overview document with the purpose of notifying Stakeholders and Indigenous groups 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 consider the project for approval under the Abbreviated Needs Approval Process.

A copy of the Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/transmission-projects/lindbergh-cogeneration-power-plant-alteration-connection-2034/> and a notice was published in the AESO Stakeholder Newsletter on April 1, 2021. Copies of the Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 1 and 2, respectively. The Need Overview was also included with the TFO's project-specific information package that was distributed to Stakeholders, as further described in Section 2.1.

After the April 2021 Need Overview was distributed, the AESO developed an updated one-page AESO Need Overview Update document that notified Stakeholders of a revision to the schedule. The AESO's Need Overview Update was posted on the AESO website at <https://www.aeso.ca/grid/transmission-projects/lindbergh-cogeneration-power-plant-alteration-connection-2034/> and a notice was published in the AESO Stakeholder Newsletter on August 30, 2023. 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 the TFO's updated project-specific information package that was distributed to Stakeholders, as further described in Section 2.1.

2.1 Stakeholders & Indigenous Groups Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included two rounds of notification, one in 2021 (2021 Notification) and one in 2023 (2023 Notification), as described further below.

2.1.1 2021 Notification

The TFO has advised the AESO that in their 2021 Notification, its PIP included notification within 800 metres of the proposed transmission line, as recommended by the Commission in Appendix A1 of AUC Rule 007.¹

The TFO notified a total of approximately 43 Stakeholders, of which 5 were classified as private or individual landowners. The other 38 notified Stakeholders and Indigenous groups are listed below:

- | | |
|---|---|
| • Alberta Culture, Multiculturalism and Status of Women | • Husky Oil Operations Ltd. |
| • 2133151 Alberta Ltd. C/o Campus Energy Partners Operations Inc. | • Inter Pipeline Ltd. |
| • Alberta Environment & Parks – Fish and Wildlife | • K&S Windsor Salt Ltd. |
| • Alberta Environment & Parks – Lands | • Kehewin Cree Nation |
| • Alberta Environment & Parks - Rangeland | • Kikino Metis Settlement |
| • Alberta Environment & Parks - Water | • Metis Nation of Alberta (Provincial Office) |
| • Altogas Utilities Inc. | • Metis Nation of Alberta Region 2 |
| • APEX Utilities Inc. C/o AltaGas Utilities Inc. | • Murphy Oil Company Ltd. |
| • Buffalo Lake Metis Settlement | • NAV Canada |
| • Campus Energy Partners Operations Inc. | • Onion Lake Cree Nation |
| • Canadian Natural Resources Ltd. | • Pengrowth Corporation C/o Cona Resources Ltd. |
| • Cold Lake Pipeline Ltd. C/o Inter Pipeline Ltd. | • Pengrowth Energy Corporation C/o Cona Resources Ltd. |
| • County of St. Paul No. 16 | • Saddle Lake Cree Nation |
| • Elizabeth Metis Settlement | • Strathcona Resources Ltd. C/o Cona Resources Ltd. |
| • Enbridge Pipelines (Athabasca) Inc. C/o Enbridge Pipelines Inc. | • Telus Communications Inc. |
| • Fisheries and Oceans Canada | • Transport Canada, Civil Aviation/Aerodrome Safety -Edmonton |
| • Fishing Lake Metis Settlement | • U & E Herd Ranch Ltd. |
| • Frog Lake First Nation | • Westman Farms Ltd. |
| • Garnier Lake Grazing Association | • Wild Rose PipeLines Inc. C/o Enbridge Pipelines Inc. |

Attachment 5 includes the TFO's project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders and Indigenous groups described above between March 31, 2021 and June 11, 2021. The TFO's project newsletter included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview, and an invitation to contact the TFO or the AESO for additional information.

2.1.2 2023 Notification

The TFO has advised the AESO that in their 2023 Notification, its PIP included notification within 800 metres of the proposed transmission line, as recommended by the Commission in Appendix A1 of AUC Rule 007.²

The TFO notified a total of approximately 46 Stakeholders, of which 12 were classified as private or individual landowners. The other 34 notified Stakeholders and Indigenous groups are listed below:

¹ The TFO 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.

² The TFO 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.

- Alberta Environment and Protected Areas – Fish and Wildlife
- Alberta Forestry and Parks – Lands
- Alberta Forestry and Parks – Rangeland Management
- Altagas Ltd.
- Altagas Utilities Inc.
- APEX Utilities Inc. c/o AltaGas Utilities Inc
- Buffalo Lake Metis Settlement
- Campus Energy Partners Operations Inc.
- Canadian Natural Resources Limited
- Cenovus Energy Inc. c/o Husky Inc
- Cold Lake Pipeline Ltd. c/o Inter Pipeline Ltd.
- County of St Paul No.16
- Elizabeth Metis Settlement
- Enbridge Pipelines (Athabasca) Inc. c/o Enbridge Pipelines Inc.
- Fishing Lake Metis Settlement
- Frog Lake First Nation
- Garnier Lake Grazing Association
- Husky Oil Operations Limited c/o Husky Energy Inc.
- Inter Pipeline Ltd.
- Kehewin Cree Nation
- Kikino Metis Settlement
- Metis Nation of Alberta
- Metis Nation of Alberta Region 2
- NAV Canada
- Onion Lake Cree Nation
- Pengrowth Corporation c/o Strathcona Resources Ltd.
- Pengrowth Energy Corporation c/o Strathcona Resources Ltd.
- Saddle Lake Cree Nation
- Strathcona Resources Ltd.
- Telus Communications Inc.
- U & E herd Ranch Ltd.
- Westman Farms Ltd.
- Wild Rose Pipe Lines Inc. c/o Enbridge Pipelines Inc.
- Windsor salt Ltd

Attachment 6 includes the TFO's project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders and Indigenous groups described above between August 22, 2023 and September 11, 2023. The TFO's project newsletter included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview, and an invitation to contact the TFO or the AESO for additional information.

3. Stakeholders Notified by the AESO

The AESO also notified 10 market participants that the AESO determined may have an interest in the Project. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Lindbergh Cogeneration Power Plant Alteration. A Market Participant Notification Letter, which included the AESO Need Overview, was sent to the notified market participants on August 6, 2024.

The 10 notified market participants are:

- Bull Creek Wind Power Limited Partnership
- BER Hand Hills Wind LP
- Capital Power (Halkirk 2) L.P.
- Concord Drumheller Partnership
- Garden Plain I LP
- Killarney Lake Solar LP
- Kneehill Solar LP
- Michichi Solar LP
- Paintearth Wind Project Limited Partnership
- Wheatland Wind Project LP

A generic version of the Market Participant Notification Letter was posted to the AESO website on August 8, 2024 at <https://www.aeso.ca/grid/transmission-projects/lindbergh-cogeneration-power-plant-alteration-connection-2034/>. A copy has been included as Attachment 7.

4. Notice of ANAP Consideration

Most recently, the AESO notified Stakeholders of its intention to consider the need for the Lindbergh Cogeneration Power Plant Alteration Connection to be approved under the AESO's Abbreviated Needs Approval Process, (ANAP) by posting a Notification of ANAP Consideration to the AESO website at <https://www.aeso.ca/grid/transmission-projects/lindbergh-cogeneration-power-plant-alteration-connection-2034/> and a publishing notice in the AESO Stakeholder Newsletter on September 26, 2024. Copies of the Notification of ANAP Consideration posting and the AESO Stakeholder Newsletter notice have been included as Attachments 8 and 9, respectively.

5. Responding to Questions and Concerns

To ensure that Stakeholders and Indigenous groups had the opportunity to provide feedback, the AESO provided Stakeholders and Indigenous groups with AESO contact information, including a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). The AESO Need Overview included this contact information, along with the AESO's mailing address (2500, 330 5th Ave. SW, Calgary) and website address (www.aeso.ca), and a privacy statement that described how the AESO is committed to protecting Stakeholders' privacy.

As directed by the AESO, the TFO was prepared to direct any Stakeholder questions addressed to the AESO, or questions regarding the AESO Need Overview, to the AESO.

6. Questions and Concerns Raised

The TFO has advised the AESO that none of the Stakeholders and Indigenous groups notified by the TFO identified any concerns or objections regarding the AESO's preferred option to respond to the system access service request or the need for development.

The AESO has not received any indication of concerns or objections 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 (March 2021)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (April 1, 2021)
- Attachment 3 – TFO Project Newsletter (March 2021)
- Attachment 4 – AESO Need Overview Update (August 2023)
- Attachment 5 – AESO Stakeholder Newsletter Need Overview Update Notice (August 30, 2023)
- Attachment 6 – TFO Project Update Letter (August 2023)
- Attachment 7 – AESO Market Participant Notification Letter (August 6, 2024)

- Attachment 8 – AESO Public Notification of ANAP Consideration Posting (September 2024)
- Attachment 9 – AESO Stakeholder Newsletter Notice of ANAP Consideration (September 2024)

Attachment 1 – AESO Need Overview (March 2021)

Need for the Cold Lake Area Energy Centre Project Connection in the Bonnyville area

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its proposed Cold Lake Area Energy Centre Project (Facility) in the Bonnyville area. Strathcona Resources' request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration.
- 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 at the end of 2021.
- 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 Bonnyville 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)

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (April 1, 2021)

April 1, 2021

AESO Stakeholder Newsletter

GRID

Cold Lake Area Energy Centre Project Connection – Need for Transmission Development in the Bonnyville Area

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its proposed Cold Lake Area Energy Centre Project (Facility) in the Bonnyville area. Strathcona Resources' request can be met by the following solution:

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

The AESO has posted a Need Overview for this project on its website. Please [click here](#) to view the document or visit the AESO website at www.aeso.ca and follow the path Grid > Projects > Cold Lake Area Energy Centre Project Connection.

Attachment 3 – TFO Project Newsletter (March 2021)

CONTACT INFORMATION

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

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

Foster Karcha
Planner
ATCO
10035-105 Street
Edmonton, AB T5J 1C8

Phone: 587 991 9753
Email: consultation@atcoelectric.com
Website: www.ATCO.com
Fax: 780 420 5030

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

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



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 facility application, which includes details such as location of electric transmission facilities and routes. For more information about how you can participate in the AUC approval process, please refer to the enclosed AUC brochure, *Participating in the AUC’s independent review process*.

If you are affected by the location of facilities 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. 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.

Included in this package:

- Route mosaic map
- Technical details of project
- AUC brochure: *Participating in the AUC’s independent review process*
- AESO Need Overview
- Reply form and postage-paid envelope

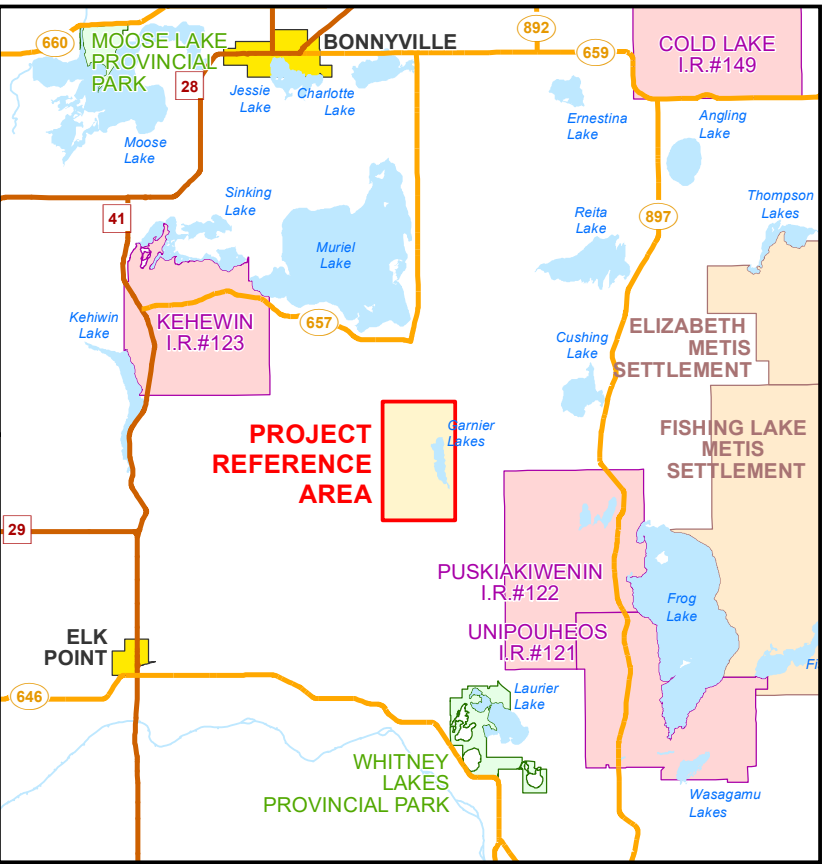
ATCO SHAPE the conversation

March 2021



PROJECT NEWSLETTER

GARNIER LAKES 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 project is planned to support local industrial developments. If approved, the project will include the construction of approximately 6 kilometres (km) of single circuit 144 kilovolt (kV) transmission line.

This new transmission line (to be called 7LA53) will connect existing 7LA53 transmission line to the planned Garnier Lake substation. Please refer to the technical details and planned site layout for further details.

ATCO Electric Ltd. (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 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 or the proposed transmission development to meet the need, you may contact the AESO directly. You can make your questions or concerns known to a transmission facility owner 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.

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 facilities. In the coming weeks, ATCO Electric will be contacting you to discuss the project.

Consultation with landholders routinely leads to improvements on our projects. 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 route.

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.



In developing route options, ATCO must 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 route 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 Facilities

Prior to consultation with landholders, ATCO considered 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
- Visual factors
- Construction and land acquisition costs
- Quarter and section lines
- Other special considerations (i.e. access roads)

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 existing features like a road, pipeline or another power line.

The typical width of the primary right-of-way for this project is 18 m. Additional land may be required on each side of the primary right-of-way for vegetation control.

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

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.

The exact location of temporary work spaces has yet to be determined.

Temporary workspace may be required along the edge of the right-of-way and in other selected locations. Arrangements for temporary workspace will be discussed and negotiated with landholders individually.



Typical 'Wishbone' structure (final design may vary).

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 facilities.

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

If approved, construction of the new facilities begins.

project notification



MARCH 2021

consultation begins



MARCH 2021

application filed with the Alberta Utilities Commission (AUC)



OCTOBER 2021

right-of-way acquisition process begins



AUC process continues



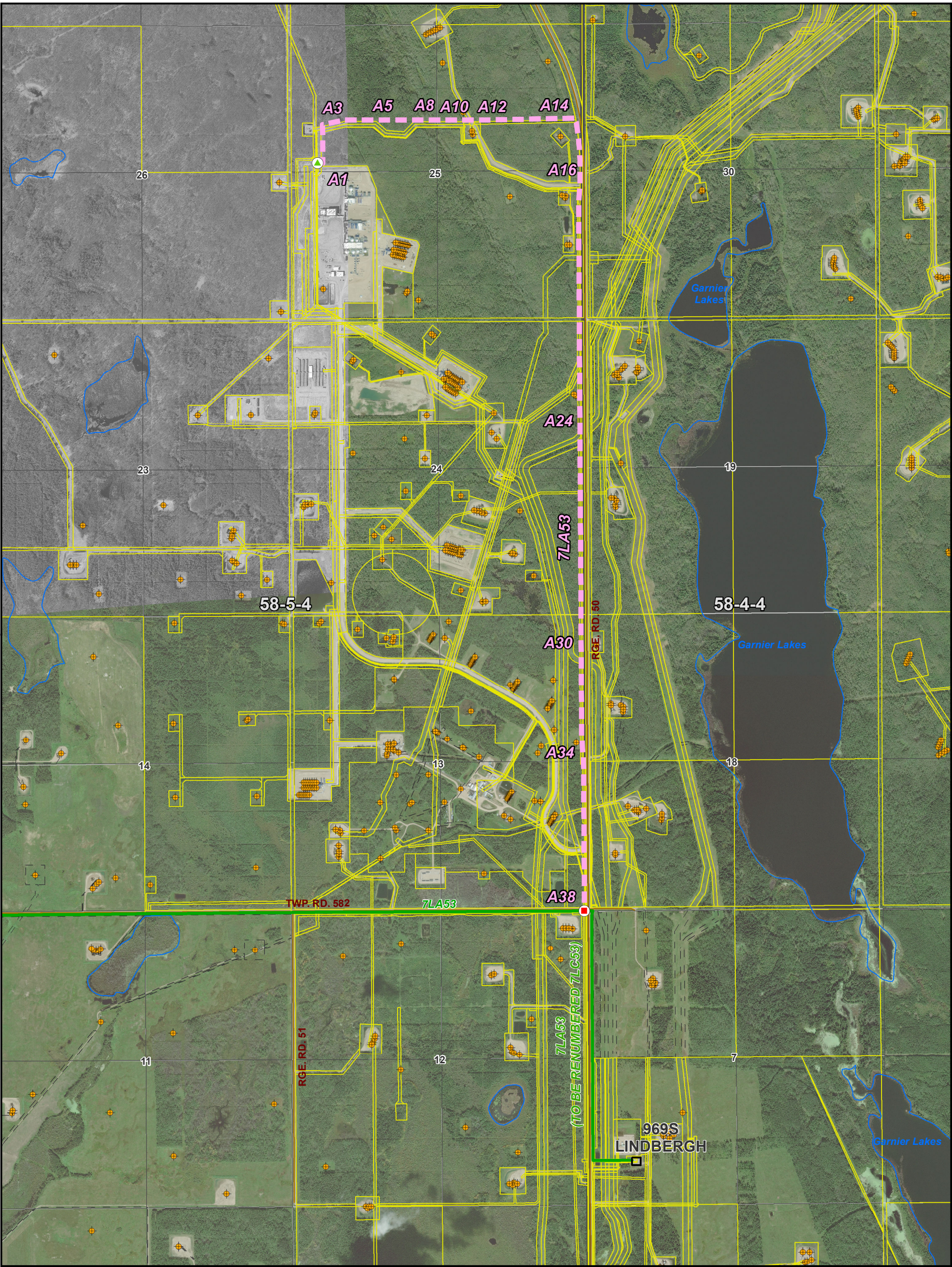
if approval is granted by the AUC, construction begins

WINTER 2022-2023

facilities completed and operating

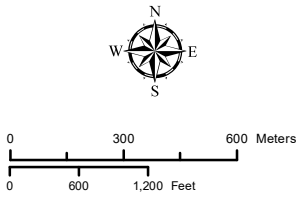


APRIL 2023



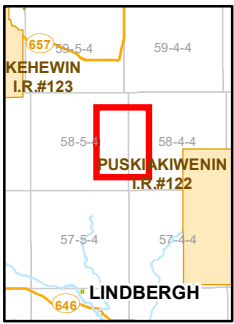
- Potential New 144 kV Transmission Line Route 7LA53
- Potential Route Node
- Potential Route Start Point
- Potential Route End Point
- Existing Substation Footprint
- Existing 144 kV Transmission Line
- Surface Well Site
- Current Disposition
- Road
- Waterbody

CREDIT NOTES
Alberta Data Partnerships, IHS Markit, Imagery: DigitalGlobe 2017-2019



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



INDEX MAP

ATCO

Garnier Lakes
Transmission Project

POTENTIAL ROUTE
MOOSAIC MAP

March 2021

RS-7LA53 - N1 - 01

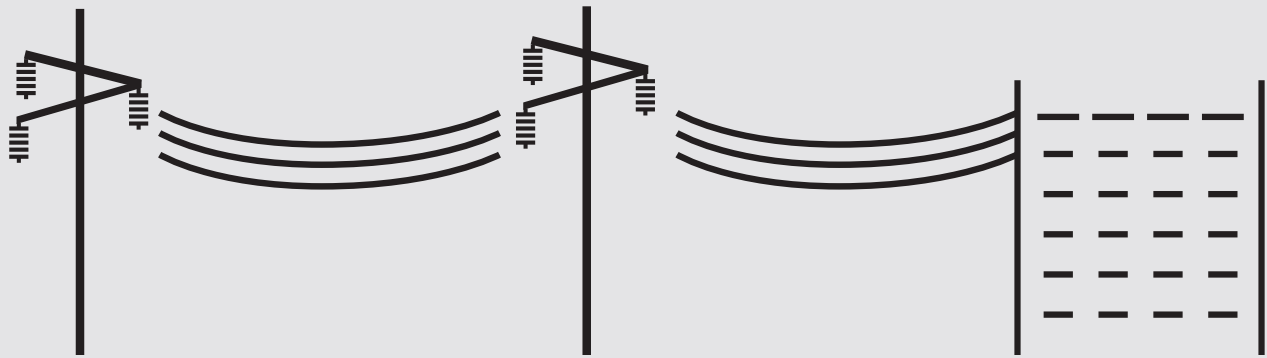


The Technical Details

March 2021

GARNIER LAKES TRANSMISSION PROJECT

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



Existing 7LA53 Transmission Line

The new transmission line will connect to an existing transmission line. The connection of the lines is located in NE 12-58-5 W4M.

New 144-kV Transmission Line

We are planning to build a new transmission line connecting the existing transmission lines with the customer's Garnier Lake substation.

New Garnier Lake 1064S Substation

A separate project will consist of building the customer's Garnier Lake substation (called 1064S). The substation is located in the northwest quarter of Section 25-58-5 W4M.

THE DETAILS

If approved, the transmission line will be 144 kilovolts (kV) and approximately 6 km long. The line will consist of:

- Three conductor wires
- One overhead optical protection ground wire (OPGW)
- A 'Wishbone' type structure

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

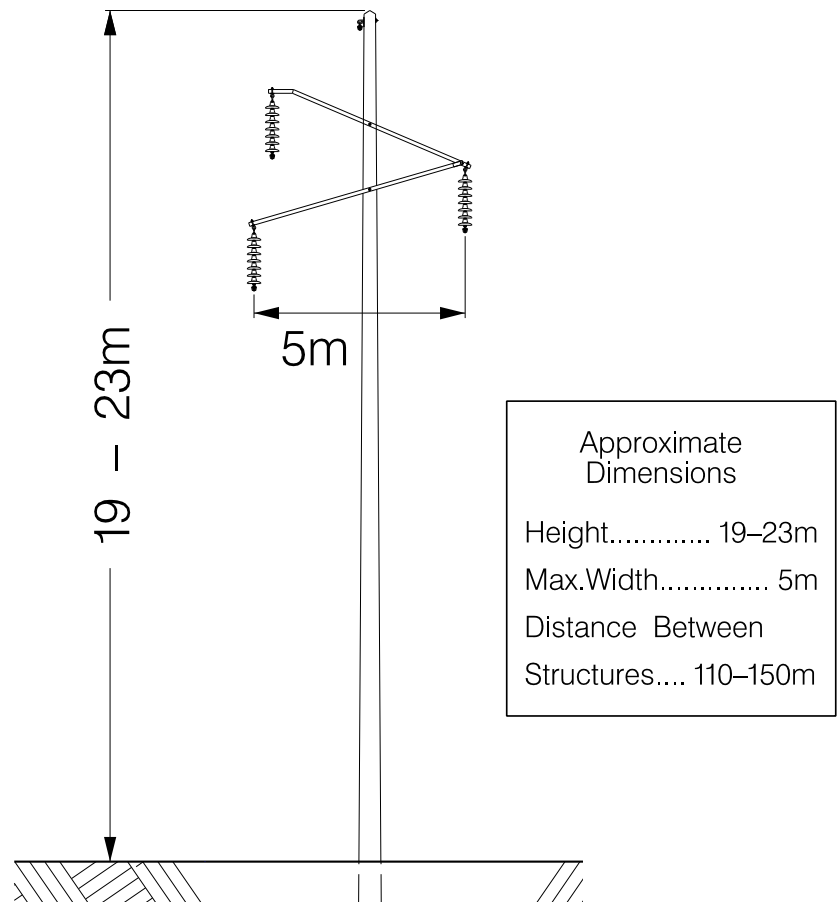
What It Will Look Like

If approved by the Alberta Utilities Commission, the 144-kilovolt (kV) transmission line will be built with single-circuit 'Wishbone' structures similar to the one shown here.

Structures will be single-circuit. This means that they will have one set of three wires strung across them. One overhead optical protection ground wire (OPGW) will be strung at the top of the structures to protect the line from lightning and provide communication services. The distance between structures will range from 110 metres (m) to 150 m.

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

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



Typical right-of-way 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.

Need for the Cold Lake Area Energy Centre Project Connection in the Bonnyville area

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its proposed Cold Lake Area Energy Centre Project (Facility) in the Bonnyville area. Strathcona Resources' request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration.
- 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 at the end of 2021.
- 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 Bonnyville 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)



SHAPE THE CONVERSATION
GARNIER LAKES
TRANSMISSION PROJECT
REPLY FORM

10035–105 Street, Edmonton, Alberta, T5J 1C8

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 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	106 Street Building
1400, 600 Third Avenue S.W.	10th Floor, 10055 106 Street
Calgary, Alberta T2P 0G5	Edmonton, Alberta T5J 2Y2

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

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 4 – AESO Need Overview Update (August 2023)

Need for the Cold Lake Area Energy Centre Project Connection in the Bonnyville area

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its proposed Cold Lake Area Energy Centre Project (Facility) in the Bonnyville area.

Distribution of the original AESO Need Overview began in March 2021. As a result of a change in schedule, the AESO determined that a Need Overview Update is required to provide revised next steps.

Strathcona Resources' request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- In late 2023, the AESO may consider the need for this project for approval under section 501.3 of the ISO rules, *Abbreviated Needs Approval Process* (ANAP Rule), or apply to the Alberta Utilities Commission (AUC) for approval of the need.
- The AESO will notify stakeholders via the AESO's website at www.aeso.ca/grid/transmission-projects prior to the project being considered under the ANAP Rule or prior to filing a needs identification document (NID) application with 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.
- Can approve eligible projects through the ANAP Rule and for non-eligible projects, the AESO will prepare and submit a NID to the AUC for approval.

ATCO

- Is the transmission facility owner in Bonnyville 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

Attachment 5 – AESO Stakeholder Newsletter Need Overview Update Notice (August 30, 2023)

August 30, 2023

AESO Stakeholder Newsletter



Need Overview Update | Cold Lake Area Energy Centre Project Connection

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its proposed Cold Lake Area Energy Centre Project (Facility) in the Bonnyville area.

Distribution of the original AESO Need Overview began in March 2021. As a result of a change in schedule, the AESO determined that a Need Overview Update is required to provide revised next steps.

Strathcona Resources' request can be met by the following solution:

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

The AESO has posted a Need Overview Update 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 >Transmission-Projects > Cold Lake Area Energy Centre Project Connection (2034).

Attachment 6 – TFO Project Newsletter (August 2023)

CONTACT INFORMATION

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

- Call us toll free at: **1-855-420-5775** or
- Contact the planner directly

Jenna Jewell
Land Planning
ATCO Electric Ltd.
10035-105 Street
Edmonton, AB T5J 1C8

Email: consultation@atcoelectric.com
Website: www.electric.atco.com
Fax: 780-420-5030

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

Alberta Utilities Commission (AUC)
Phone: 780-427-4903
(For toll-free, dial 310-0000 first)
Email: consumer-relations@auc.ab.ca
Website: www.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 facility application, which includes details such as locations of electric transmission facilities and proposed alterations. For more information about how you can participate in the AUC approval process, please refer to the enclosed AUC brochure, *Participating in the AUC's independent review process to consider facility applications*.

Next Steps

The consultation process for this project is ongoing. Please let us know if you have any questions, concerns or suggestions regarding this Project. You can provide feedback and share other information by contacting us (toll free) at **1-855-420-5775** or by email at **consultation@atcoelectric.com**.

ATCO SHAPE the conversation

August 2023

GARNIER LAKES TRANSMISSION PROJECT

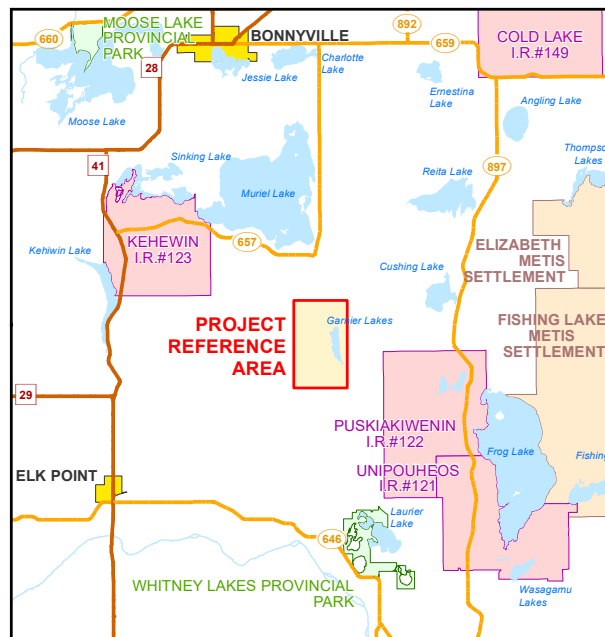
This newsletter provides you with information about electric transmission facilities being proposed in your area. This package provides important project information and outlines our public consultation process. We invite any comments, questions, or concerns you may have.

The proposed ATCO Electric Ltd. (ATCO) Garnier Lakes Transmission Project (the Project) will be located approximately 26 kilometres (km) southeast of Bonnyville, Alberta and will connect a customer's generation facility to the electrical grid.

If approved, the Project will include the construction of approximately six km of single circuit 144 kilovolt (kV) transmission line (to be called 7LA53) which will connect the customer's substation to the existing 144 kV transmission line 7LA53 in a T-tap configuration. The portion of existing transmission line 7LA53 from the Lindbergh 969S substation to the proposed T-tap connection point will be renamed 7LC53.

The Project also required modifications to the existing transmission line to accommodate the T-tap connection of proposed transmission line 7LA53. Please refer to the technical details and proposed route mosaic map for further details.

If you are in the direct vicinity of the proposed 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 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 or the proposed transmission development to meet the need, you may contact the AESO directly. You can also make your questions or 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
- Route mosaic map
- AESO Need Overview
- AUC Brochure: *Participating in the AUC's independent review process to consider facility applications*
- 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 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 concept for the Garnier Lakes Transmission Project.

In the coming weeks, if you have an interest in lands located on or beside the proposed route, you will be contacted by an ATCO representative to further discuss the project and to address any questions or concerns you may have. You can also provide feedback and share other information using the enclosed reply form and postage paid envelope.

Consultation with landholders routinely leads to improvements on our projects. We have adjusted project plans as a result of feedback and conversations with landholders.

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 proposed facilities.

Transmission Routes

Prior to consultation with landholders, ATCO considers numerous constraints including:

- Environmentally sensitive areas
- Planned developments
- Construction and engineering constraints
- Existing infrastructure (i.e. other transmission lines, roads, highways, pipelines, telecommunication towers)
- Wetlands
- Quarter and section lines
- Other special consideration (i.e. access roads)

The enclosed map shows the proposed route for this project. Facilities have been located in an effort to minimize impacts to industrial operations, while also minimizing potential impacts to the environment.

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 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 powerline.

The typical width of the right-of-way for this project is 18 metres (m). Additional land may be required on each side of the primary right-of-way for vegetation control.

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

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.

In addition, temporary workspace may be required along the edge of the right-of-way and in other selected locations. The exact location of temporary workspaces has yet to be determined. Arrangements for temporary workspace will be discussed and negotiated with landholders individually.



THE SCHEDULE

Public consultation begins sharing information about the project in order find 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 facilities.

The AUC reviews the application in a public process.

If approved, construction of the new facilities begins.

PUBLIC CONSULTATION
a continuous process that occurs throughout the life of the project

Project notification

AUGUST 2023

SEPTEMBER 2023
Consultation begins

Application filed with the AUC

NOVEMBER 2023

NOVEMBER 2024
If approval is granted, construction begins

Facilities completed and operating

APRIL 2025

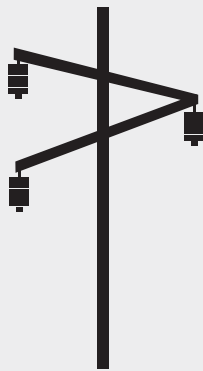


The Technical Details

August 2023

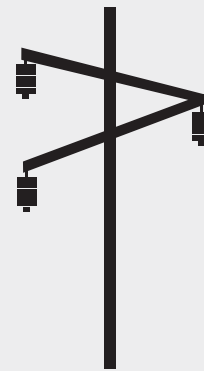
GARNIER LAKES TRANSMISSION PROJECT

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



New 144 kV Transmission Line 7LA53

Approximately six km of new single-circuit 144 kV transmission line (to be called 7LA53).



Existing 144 kV Transmission Line 7LA53

Modifications to the existing single-circuit 144 kV transmission line 7LA53.

THE DETAILS

If approved, the new 144 kV transmission line 7LA53 will consist of:

- Three conductor wires
- One overhead optical protection ground wire
- Wood pole 'Wishbone' structures

Transmission line 7LA53 will connect to existing transmission line 7LA53 (to be renamed 7LC53) in a T-tap configuration and terminate at the customer's substation. The typical structure is described in more detail on the back of this fact sheet.

THE DETAILS

If approved, modifications will include adding one disconnect switch to accommodate the T-tap connection of the proposed transmission line 7LA53.

The proposed T-tap connection point is located in NE 12-58-5 W4M.

The portion of existing transmission line 7LA53 from the Lindbergh 969S substation to the proposed T-tap connection point will be renamed 7LC53.

What It Will Look Like

If approved by the AUC, the new 144 kV transmission line will be built with wood pole 'Wishbone' structures similar to the one shown here.

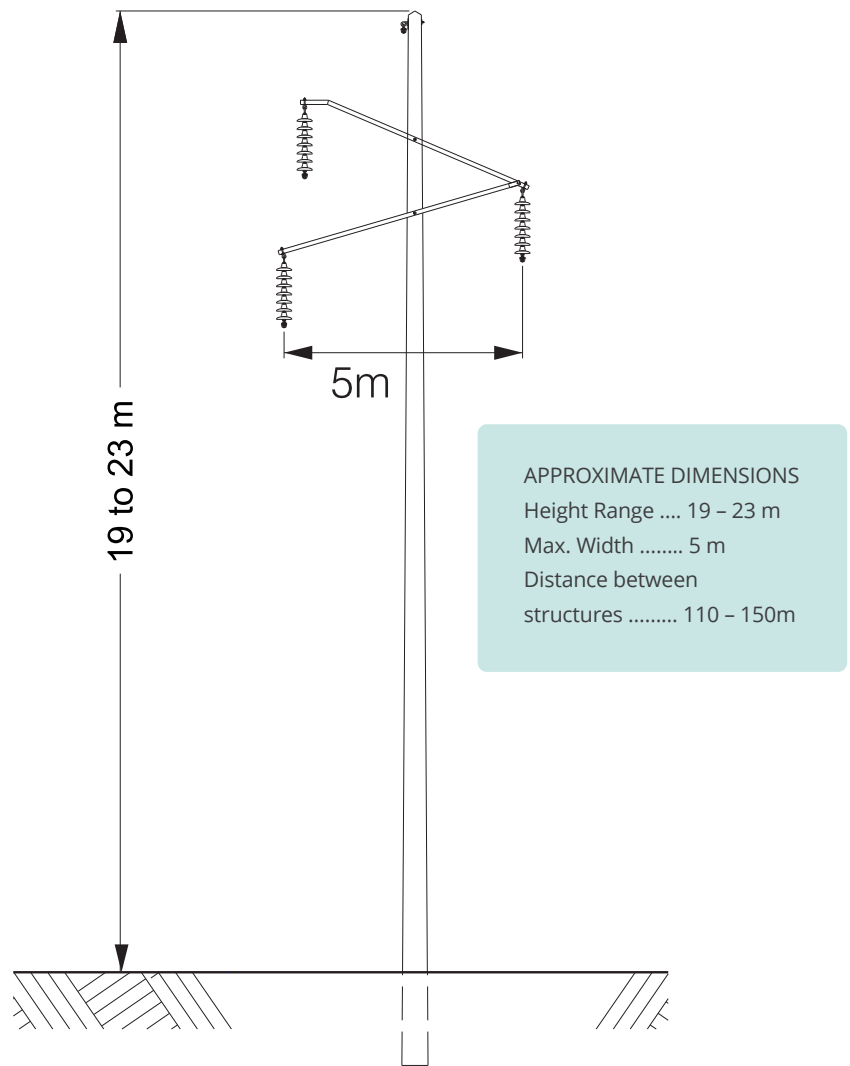
Structures will be single-circuit. This means they will have one set of three wires strung across them. One overhead optical protection ground wire will be strung at the top of the structures to protect the line from lightning and provide communication services. The distance between structures will range from 110 m to 150 m.

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

Guy wires and anchors may be required where the line ends, bends, goes around corners or avoids obstacles. In all cases, minimum clearance will meet or exceed provincial safety regulations.

Typical right-of-way for this project is 18 m. Rights-of-way are cleared of trees, brush and debris to allow access for construction and ongoing maintenance.

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



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

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.

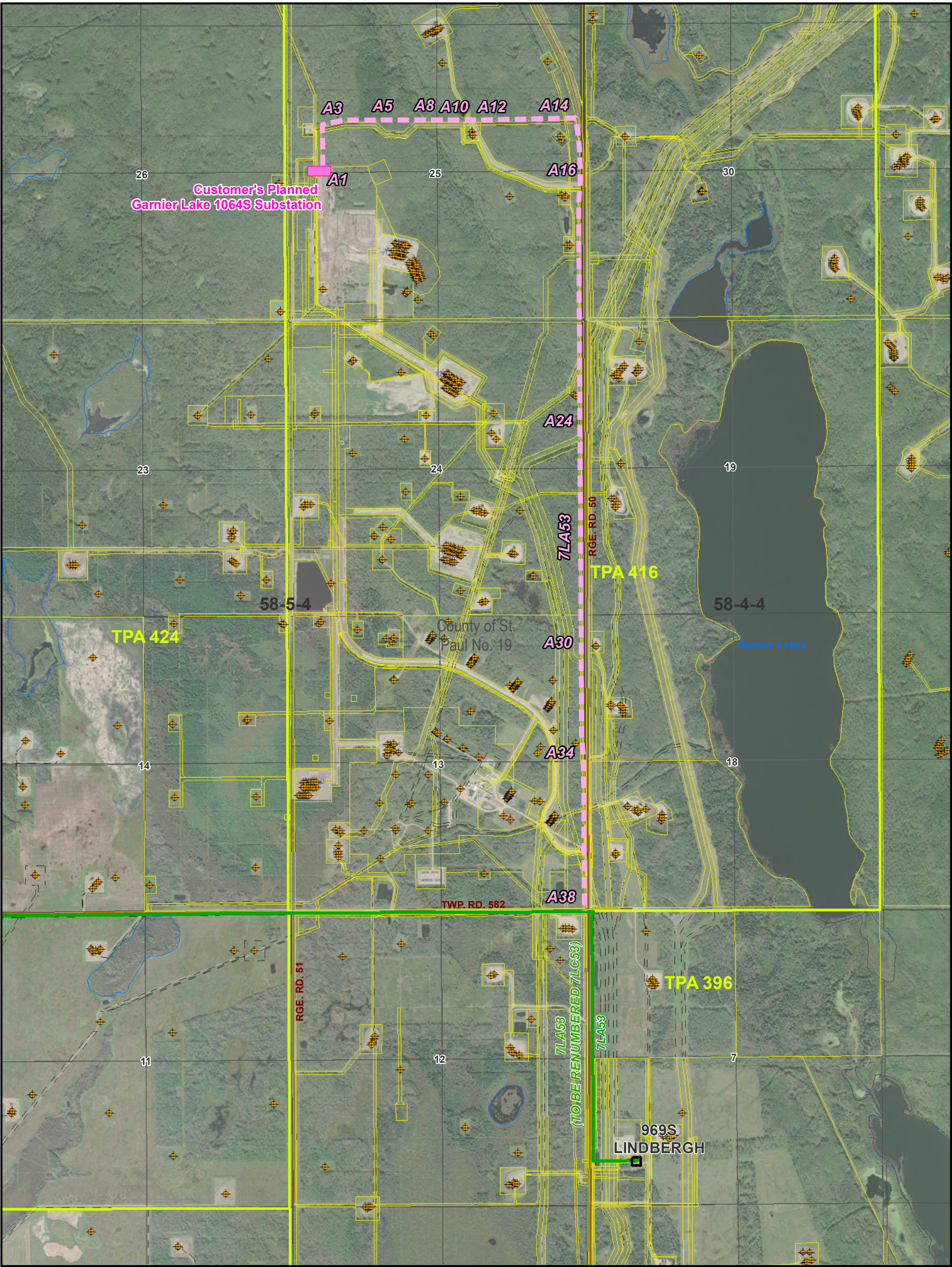
Consultation: A consultation is a meeting where advice, information and views are exchanged.

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.



- Proposed 144 kV Transmission Line Route

A1

Proposed Route Node

Customer's Planned Substation Boundary

Existing Substation Footprint

Existing 144 kV Transmission Line

Surface Well Site

TPA

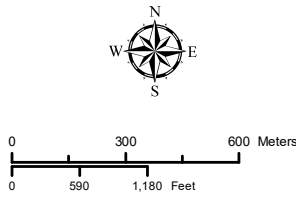
Current Disposition

Existing Easement R/W

Parcels
- Road

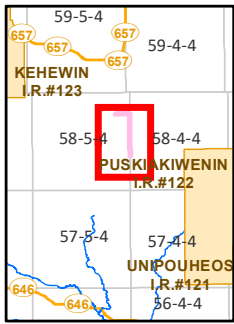
Waterbody

Municipal Boundary



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



INDEX MAP

ATCO

Garnier Lakes
Transmission Project

PROPOSED ROUTE
MOSAIC MAP

August 2023

RS-7LA53 - N1 - 01



Participating in the AUC's independent review process to consider facility applications

www.auc.ab.ca

The AUC regulatory review process to consider facility applications for utility projects



The AUC uses an established process to review social, economic and environmental impacts of facility projects to decide if approval of a project is in the public interest.

The AUC considers applications requesting approval of the need for transmission development and facilities applications seeking approval to construct, operate, alter and decommission electric and natural gas facilities. Applications, as specified in AUC Rule 007, are required for:

- The need for transmission upgrades.
- The route and location of transmission facilities.
- The siting of power plants.
- The construction of a battery storage system.
- The designation of an industrial system.
- The need for and siting of natural gas utility pipelines.

Sometimes the Alberta Electric System Operator's needs identification document application is considered together with a facility application in a single proceeding; sometimes separate proceedings are held to consider each application.

Application review process



Step 1: Public consultation prior to applying to the AUC

Step 2: Application filed to the AUC

Step 3: Public notice

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

Application review process

Step 1: Public consultation prior to applying to the AUC



An applicant seeking approval of a proposed utility development project is required to engage in a participant involvement program prior to filing an application with the AUC. The public involvement program involves consultation with persons whose rights may be directly and adversely affected by 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, Hydro Developments and Gas Utility Pipelines*.

Potentially affected parties are strongly encouraged to participate in the public consultation, also called a participant involvement program. Early, active and ongoing discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

Step 2: Application filed to the AUC



When the applicant has concluded its consultation with potentially affected parties and the participant involvement requirements have been completed, the applicant files its application through the AUC online public filing system, called the eFiling System.

AUC staff members review each application submitted to verify that all of the application requirements in Rule 007 have been met before an application is deemed complete. If all of the required information is not provided, the application may be closed or missing information will be requested of the applicant. Rule 007 specifies, among other requirements, that applicants must submit the results of a public involvement program in its application that includes information about how applicants consulted and notified stakeholders and Indigenous groups and identifies any unresolved objections and concerns about the project.

Step 3: Public notice



When the AUC receives an application it is assigned a proceeding number and the AUC generally mails a notice of application directly to those who live, operate a business or occupy land in the project area who may be directly and adversely affected if the AUC approves the application. The notice initiates the opportunity for formal intervention in the proceeding to consider an application or applications. The notice of application will also set out important dates and information about where to find the application and other items being considered. The five-digit eFiling System proceeding number in the notice is the most efficient way to find information about a proposed project through the AUC website.

Step 4: Public submissions to the AUC



Prior to the submission deadline provided in the notice, formal submissions of outstanding concerns and unresolved objections about a project may be submitted to the AUC. To submit a concern, participants will need to register to participate in the proceeding, which involves providing a brief written statement called a statement of intent to participate. Submissions are filed electronically through the eFiling System. The information filed becomes part of the public record and is an important part of the process to ensure that outstanding concerns are heard, understood and considered.

The AUC uses the information gathered through statement of intent to participate submissions to decide whether to hold a hearing on the application(s). The AUC must hold a hearing if a concerned person can demonstrate that they have rights that may be directly or adversely affected by the AUC's decision on the application. Such a person is said to have standing before the AUC. If the AUC decides to hold a hearing, the AUC will provide further opportunities for participants with standing to ask the applicant questions on the public record and present their position on the application either in writing or in person. Hearings may

be held in writing, in person or virtually through web-conference software.

AUC eFiling System

The eFiling System is the online 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. The system is also used to submit your concerns and provide input to the AUC and can be used to monitor 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.

Step 5: Consultation and negotiation (if applicable)



The AUC supports efforts to reach a mutually agreeable outcome among the applicant and affected parties. The AUC encourages the applicant and those who have filed a statement of intent to participate 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 in an AUC hearing.

Step 6: The public hearing process



The AUC will issue a notice of hearing if a person with standing continues to have legitimate unresolved concerns with the application. The notice of hearing will provide a hearing date and location, or specify if the hearing will be held in writing or virtually. When the AUC holds a public hearing, registered parties are given the opportunity to express their views directly to a panel of Commission members. Any member of the public can listen to an in-person or virtual oral hearing. An oral public hearing operates similar to a court proceeding.

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 AUC to have standing or 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: *Rules on Local Intervener Costs*, recovery of costs is subject to the AUC’s assessment of the value of the contribution provided by the lawyer and technical experts in assisting the AUC to understand the specifics of the case. It is also subject to the AUC’s published scale of costs.

People with similar interests and positions are expected and encouraged 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 decision no more than 90 days after the close of record. The AUC can approve, or deny an application and can also make its approval conditional upon terms or conditions. AUC decisions are publicly available through the AUC website at www.auc.ab.ca.

Step 8: Opportunity to appeal



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

An applicant or participant in a proceeding can also ask the AUC to review its decision. An application to review a 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 of Commission Decisions*.

Step 9: Construction, operation and compliance



An applicant that receives approval to build and operate a facility from the AUC is expected to follow through on any commitments it has made to parties and 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.

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.

We are 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.



Contact us

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

Eau Claire Tower
1400, 600 Third Avenue S.W.
Calgary, Alberta T2P 0G5



10035-105 Street, Edmonton, Alberta, T5J 1C8

SHAPE THE CONVERSATION

GARNIER LAKES TRANSMISSION PROJECT REPLY FORM

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.

Need for the Cold Lake Area Energy Centre Project Connection in the Bonnyville area

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its proposed Cold Lake Area Energy Centre Project (Facility) in the Bonnyville area.

Distribution of the original AESO Need Overview began in March 2021. As a result of a change in schedule, the AESO determined that a Need Overview Update is required to provide revised next steps.

Strathcona Resources' request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- In late 2023, the AESO may consider the need for this project for approval under section 501.3 of the ISO rules, *Abbreviated Needs Approval Process* (ANAP Rule), or apply to the Alberta Utilities Commission (AUC) for approval of the need.
- The AESO will notify stakeholders via the AESO's website at www.aeso.ca/grid/transmission-projects prior to the project being considered under the ANAP Rule or prior to filing a needs identification document (NID) application with 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.
- Can approve eligible projects through the ANAP Rule and for non-eligible projects, the AESO will prepare and submit a NID to the AUC for approval.

ATCO

- Is the transmission facility owner in Bonnyville 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

Attachment 7 – AESO Market Participant Notification Letter (August 6, 2024)

SENT VIA EMAIL

August 06, 2024

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

Dear Notified Market Participant Primary Contact:

Re: Need for the Lindbergh Cogeneration Power Plant Alteration Connection in the Bonnyville area

The Alberta Electric System Operator (AESO) would like to advise you that Strathcona Resources Ltd. (Strathcona Resources) has applied for transmission system access to connect its approved Lindbergh Cogeneration Power Plant Alteration (formerly known as the Cold Lake Area Energy Centre) (approved Facility) to the Alberta interconnected electric system (AIES) in the AESO's Central Planning Region.

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

Connection Assessment Findings

An engineering connection assessment was carried out by the AESO in order to assess the transmission system performance following the connection of the approved Facility.¹ The connection assessment identified the potential for thermal criteria violations following the connection of the Facility, under credible worse case forecast conditions, with all transmission facilities in service (Category A). Category A thermal criteria violations on the 138/144 kV transmission lines 472L, 715L, and 749AL were exacerbated following the connection of the approved Facility.

In addition, thermal and voltage criteria violations were also identified when a single transmission facility is out of service (Category B) following the connection of the approved Facility. To mitigate these potential system performance issues, modified remedial action scheme (RAS) 134 will be used. RAS 134 will be modified by adding the approved Facility to the RAS logic. The total amount of generation tied to RAS 134 exceeds the Maximum Severe Single Contingency (MSSC) limit. Therefore, pre-contingency curtailment of projects assigned to the RAS may be required under the Category A condition, to prevent generation loss above the MSSC limit during Category B conditions.

The AESO will also make use of real-time operational measures to mitigate these potential system performance issues, in accordance with [Section 302.1 of the ISO rules, Real Time Transmission Constraint 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.

¹ The studies were performed assuming the Rate STS, *Supply Transmission Service*, contract capacity of 72 MW and a Rate DTS, *Demand Transmission Service*, contract capacity of 3 MW.

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

The AESO will continue to monitor the pace of generation development and will notify market participants if it determines that it is necessary 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 Alberta Utilities Commission (AUC) for approval of such an exception.

For Further Information

The AESO Need Overview document, which describe the AESO’s proposed transmission development to connect the approved Facility to the AIES, is attached for your information.

To support the AESO’s consideration of the Lindbergh Cogeneration Power Plant Alteration Connection under the Abbreviated Needs Approval Process, the engineering connection assessment will be posted on the AESO website at: <https://www.aeso.ca/grid/transmission-projects/>. Stakeholders will be notified when this occurs via the AESO stakeholder newsletter.

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: *Need for the Cold Lake Area Energy Centre Project Connection in the Bonnyville area*

Need for the Cold Lake Area Energy Centre Project Connection in the Bonnyville area

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its proposed Cold Lake Area Energy Centre Project (Facility) in the Bonnyville area.

Distribution of the original AESO Need Overview began in March 2021. As a result of a change in schedule, the AESO determined that a Need Overview Update is required to provide revised next steps.

Strathcona Resources' request can be met by the following solution:

PROPOSED SOLUTION

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

REVISED NEXT STEPS

- In late 2023, the AESO may consider the need for this project for approval under section 501.3 of the ISO rules, *Abbreviated Needs Approval Process (ANAP Rule)*, or apply to the Alberta Utilities Commission (AUC) for approval of the need.
- The AESO will notify stakeholders via the AESO's website at www.aeso.ca/grid/transmission-projects prior to the project being considered under the ANAP Rule or prior to filing a needs identification document (NID) application with 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.
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ATCO

- Is the transmission facility owner in Bonnyville area.
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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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Calgary, AB T2P 0L4
Phone: 403-539-2450

www.aeso.ca |  @theaeso

Attachment 8 – AESO Public Notification of ANAP Consideration Posting (September 2024)

Posted September 11, 2024

Lindbergh Cogeneration Power Plant Alteration Connection (2034)

Abbreviated Needs Approval Process: Notice of Consideration

The AESO intends to consider the need for the Lindbergh Cogeneration Power Plant Alteration Connection (formerly known as the Cold Lake Area Energy Centre) for approval under Section 501.3 of the ISO rules, *Abbreviated Needs Approval Process*, (ANAP Rule) on or after September 26, 2024. If stakeholders have any questions or concerns, please contact the AESO before this date.

The AESO has determined that the Project is eligible for consideration under the ANAP Rule because the following eligibility criteria have been met:

- Project costs are estimated to be approximately \$12M and were classified as participant-related in accordance with the ISO tariff;
- the AESO has completed a participant involvement program (PIP) in accordance with the guidelines in Alberta Utilities Commission Rule 007;
- the Project is not anticipated to result in significant environmental effects; and
- no concerns or objections with the need for the Project have been raised. Prior to making its approval decision, the AESO will address any stakeholder concerns that arise.

Supporting information about this Project is available in the following documents:

- Engineering Connection Assessment
- TFO Cost Estimate
- AESO PIP Summary

Attachment 9 – AESO Stakeholder Newsletter Notice of ANAP Consideration (September 2024)



GRID

Abbreviated Needs Approval Process | Notice of Consideration for the Lindbergh Cogeneration Power Plant Alteration Connection

The AESO intends to consider the need for the Lindbergh Cogeneration Power Plant Alteration Connection (formerly known as the Cold Lake Area Energy Centre Project Connection) for approval under Section 501.3 of the ISO rules, *Abbreviated Needs Approval Process*, (ANAP Rule) on or after September 26, 2024. If stakeholders have any questions or concerns, please contact the AESO before this date.

Strathcona Resources Ltd. (Strathcona Resources) has applied to the AESO for transmission system access to connect its approved Lindbergh Cogeneration Power Plant Alteration in the Bonnyville area. Strathcona Resources' request can be met by the following solution:

- Add one 144 kilovolt (kV) transmission line to connect the Facility to the existing 144 kV transmission line 7LA53 in a T-tap configuration; and
- Add or modify associated equipment as required for the above transmission developments.

More information is available on the AESO website. Please [click here](#) to view the project page or visit the AESO website at www.aeso.ca and follow the path Grid >Transmission-Projects > Lindbergh Cogeneration Power Plant Alteration Connection (2034) to see relevant supporting documents.