

1. Introduction

From June 2023 to May 2024, the AESO conducted a Participant Involvement Program (PIP) for the *Sunnynook Solar 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 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.

A copy of the Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/transmission-projects/sunnynook-solar-connection-2464/> and a notice was published in the AESO Stakeholder Newsletter on June 28, 2023. 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.

2.1 Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 800 metres of the proposed Sunnynook Solar Connection transmission facilities, as recommended by the Commission in Appendix A1 in AUC Rule 007.¹

The TFO notified a total of approximately 22 Stakeholders, of which 3 were classified as private or individual landowners. The other 19 notified Stakeholders are listed below:

- Alberta Environment and Protected Areas- Fish and Wildlife
- AlphaBow Energy Ltd.
- Bonavista Energy Corporation

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.

- Calibre Energy Inc. c/o Bonavista Energy Corporation
- Canadian Natural Resources Limited
- Cannat Resources Inc. c/o Canadian Natural Resources Limited
- Ducks Unlimited Canada
- Fairwest Energy Corporation
- First Devonian Explorations Ltd. c/o Ridgeback Resources Inc.
- Inter Pipeline Ltd.
- Municipal District of Berry Creek No. 214 c/o Special Areas Board
- Municipal District of Flowerdale No. 244 c/o Special Areas Board
- NAV Canada
- Penn West Petroleum Ltd. c/o Obsidian Energy Ltd.
- Renaissance Energy Ltd. c/o Husky Energy Inc.
- Special Areas Board – Special Areas No. 2
- Success Resources Ltd.
- Sunnynook Solar Energy Inc.
- TELUS Communications Inc.

Attachment 3 includes the TFO’s project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders described above between June 27, 2023 and July 31, 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 23 market participants that the AESO determined may have an interest in the Sunnynook Solar Connection. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Sunnynook Solar Connection. A Market Participant Notification Letter, which included the AESO Need Overview, was sent to the notified market participants on May 6, 2024.

The 23 notified market participants are:

- ATCO Electric Ltd.
- Bull Creek Wind Power Limited Partnership
- Capital Power Generation Services Inc.
- Concord Drumheller Partnership
- EDP Renewables Canada Ltd.
- Enfinite Corporation
- Eridani Ltd.
- Garden Plain I LP
- Ghost Pine Windfarm LP
- Heze Ltd.
- Killarney Lake Solar LP

- Kneehill Solar LP
- Michichi Solar LP
- Lanfine Wind 1 LP
- PACE Canada LP
- Paintearth Wind Project Limited Partnership
- Renewable Energy Systems Canada Inc.
- Strathcona Resources Ltd.
- Subra Limited Partnership
- Universal Kraft Canada Renewables Ltd.
- Versorium Energy Ltd.
- Wheatland Wind Project LP by its General Partner, Wheatland Wind Project Ltd
- Wild Run LP

A generic version of the Market Participant Notification Letter was posted to the AESO website on May 6, 2023 at <https://www.aeso.ca/grid/transmission-projects/sunnynook-solar-connection-2464/> A copy has been included as Attachment 4.

4. Filing Notification

Most recently, the AESO notified Stakeholders of its intention to submit the Needs Identification Document (NID) to the Commission by way of a posting to the AESO website at <https://www.aeso.ca/grid/transmission-projects/sunnynook-solar-connection-2464/> and a publishing notice in the AESO Stakeholder Newsletter on May 29, 2024. Copies of the AESO website posting and the AESO Stakeholder Newsletter notice have been included as Attachments 5 and 6, 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 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

Two Stakeholders that received the AESO's Market Participant Notification Letter raised questions and concerns related to how their operations may be affected following the connection of the Sunnynook Solar project. The AESO responded to the Stakeholders by providing information about congestion risk in the area, study assumptions and the application of operational measures including curtailments.

The TFO has advised the AESO that none of the Stakeholders 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.

Apart from the inquiry above, 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 (June 2023)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (June 28, 2023)
- Attachment 3 – TFO Project Newsletter – *Sunnynook Transmission Project* (June 2023)
- Attachment 4 – AESO Market Participant Notification Letter (May 6, 2024)
- Attachment 5 – AESO Public Notification of NID Filing Website Posting (May 2024)
- Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (May 29, 2024)

Attachment 1 – AESO Need Overview (June 2023)

Need for the Sunnynook Solar Connection in the Hanna area

Sunnynook Solar Energy Inc. (Sunnynook) has applied to the AESO for transmission system access to connect its proposed Sunnynook Solar project (Facility) in the Hanna area. Sunnynook's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kilovolt (kV) transmission line to connect the Facility to the existing 240 kV transmission line 9L24 using a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

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 the Hanna 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 (June 28, 2023)



GRID

Sunnynook Solar Connection | Need for Transmission Development in the Hanna Area

Sunnynook Solar Energy Inc. (Sunnynook) has applied to the AESO for transmission system access to connect its proposed Sunnynook Solar project (facility) in the Hanna area. Sunnynook's request can be met by the following solution:

- Add one 240 kilovolt (kV) transmission line to connect the facility to the existing 240 kV transmission line 9L24 using 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 >Transmission-Projects > Sunnynook Solar Connection (2464).

Attachment 3 – TFO Project Newsletter – *Sunnynook Transmission Project* (June 2023)

ATCO

SHAPE the conversation



June 2023

SUNNYNOOK TRANSMISSION PROJECT

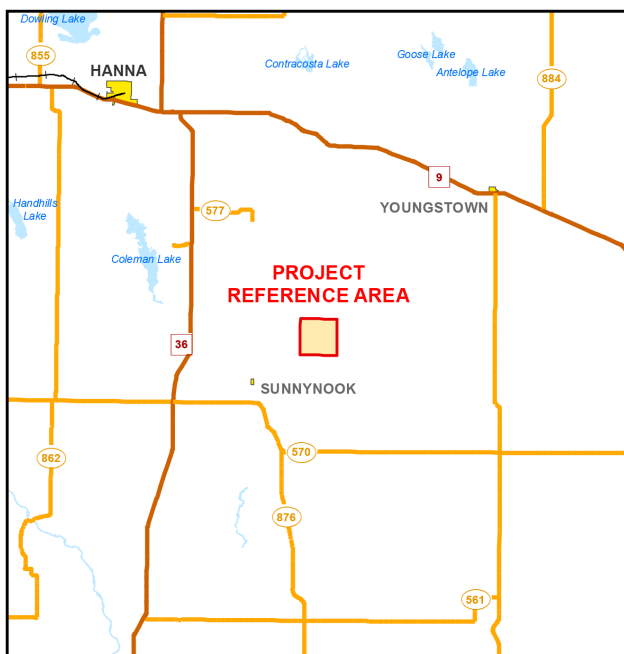
This newsletter provides you with information about electric transmission facilities being proposed in your area. This package provides important project information and outlines our public consultation process. We invite any comments, questions, or concerns you may have.

The proposed ATCO Electric Ltd. (ATCO) Sunnynook Transmission Project (the Project) will be located approximately nine kilometres (km) northeast of Sunnynook, Alberta and will connect a customer's generation facility to the electrical grid.

If approved, the Project will include the construction of approximately 4.5 km of single-circuit 240 kilovolt (kV) transmission line (to be called 9LA24) which will connect the customer's substation to the existing 240 kV transmission line 9L24 in a T-tap configuration.

The Project also requires modifications to existing transmission line 9L24 to accommodate the T-tap connection of proposed transmission line 9LA24. Please refer to the technical details and proposed route mosaic map for further details.

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 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 Sunnynook 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 existing land uses and the environment.

THE SCHEDULE

Public consultation begins sharing information about the project in order to 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

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 34 metres.

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 some situations, access trails will be temporary. Permanent access trails may be needed for ongoing maintenance in some areas.

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.



project notification



JUNE 2023

consultation



JULY 2023



NOVEMBER 2023

application filed with the
Alberta Utilities Commission (AUC)



MAY 2024

if approval is granted,
construction begins



AUGUST 2024

facilities completed
and operating

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:

Rechelle Halabut

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

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@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



Approval Process

Alberta's electrical system is regulated by the Alberta Utilities Commission (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 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

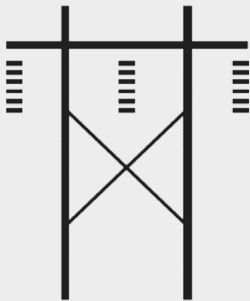
ATCO

The Technical Details

June 2023

SUNNYNOOK TRANSMISSION PROJECT

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



New 240 kV Transmission Line 9LA24

Approximately 4.5 km of new single-circuit 240 kV transmission line (to be called 9LA24).



Existing 240 kV Transmission Line 9L24

Modifications to the existing single-circuit 240 kV transmission line 9L24.

THE DETAILS

If approved, the new 240 kV transmission line 9LA24 will consist of:

- Three sets of bundled conductor wires
- Wood pole H-Frame structures
- One overhead shield wire
- One fibre optic shield wire
- One manual disconnect switch

Transmission line 9LA24 will connect to existing transmission line 9L24 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, the modifications will include relocating a portion of existing transmission line 9L24 to accommodate the T-tap connection of proposed transmission line 9LA24.

ATCO will also install approximately two km of fibre optic cable on existing transmission line 9L24 structures. A short portion of the fibre optic cable will be installed underground between an existing transmission line 9L24 structure and a splice box on the proposed transmission line 9LA24.

Fibre optic cables transmit valuable data to ATCO control centers, which is used to maintain and improve the reliability of Alberta's electric system.

What It Will Look Like

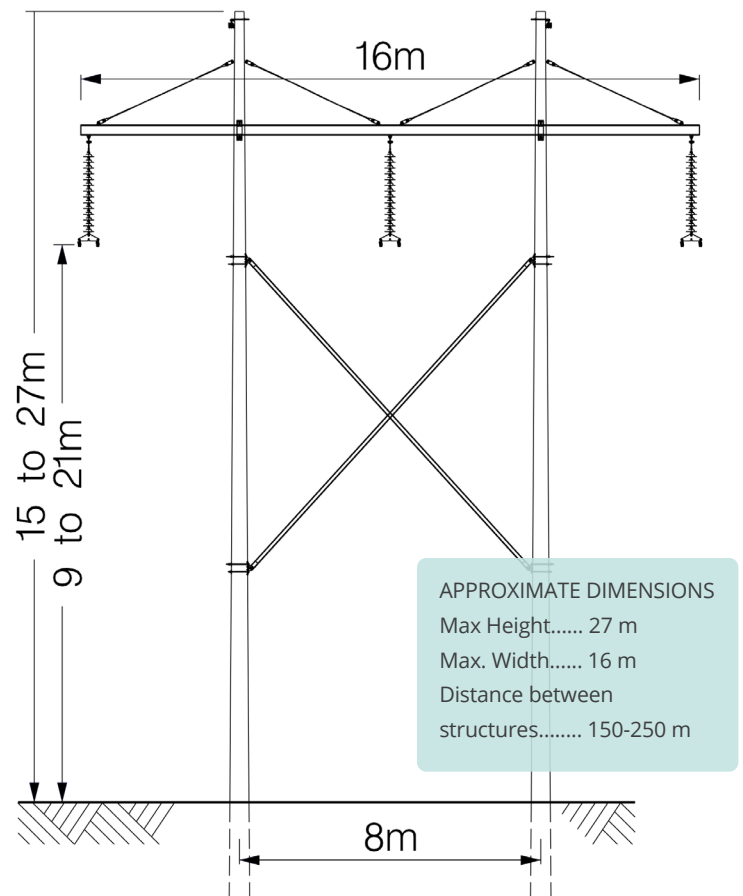
If approved by the AUC, the new 240kV transmission line will be built with wood H-Frame structures similar to the one shown here.

Structures will be single-circuit. This means they will have three bundled conductor wires strung across them. The typical distance between structures will be approximately 150-250 metres (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.

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



Typical right-of-way for this project – 34 metres

Rights-of-way are cleared of trees, brush 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.

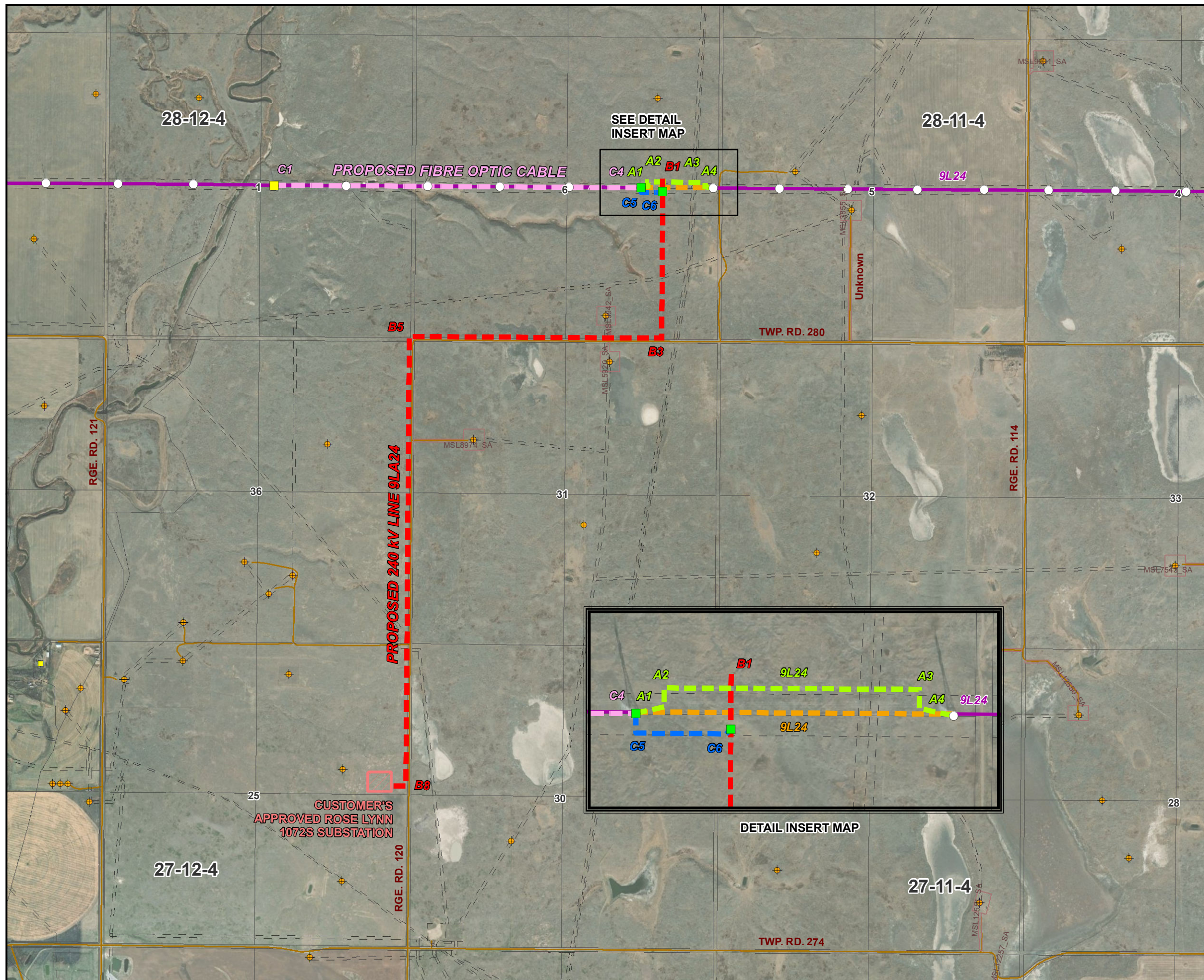
Consultation: A consultation is a meeting where advice, information and views are exchanged.

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).

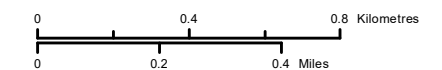
Right-of-way: A right-of-way is the use of a strip of land acquired for the construction and operation of a transmission line. The term right-of-way is also used to refer to the physical space a transmission line encompasses including areas on either side of the line.

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



- Customer's Substation Fence Boundary
- Proposed Fibre Splice Box
- Existing Fibre Splice Box
- A1 B1 Proposed Route Node
- C1 C5 Proposed Fibre Optic Cable Node
- Proposed 240 kV Transmission Line Route
- Proposed 240 kV Transmission Line Route Alteration
- Proposed Fibre Optic Cable Route Overhead
- Proposed Fibre Optic Cable Route Underground
- Existing 240 kV Transmission Line To Be Removed
- Existing 240 kV Transmission Line
- Transmission Structures
- Residence
- Surface Well Site
- Current Disposition
- Existing Easement Right of Way
- Road

CREDIT NOTES
 Alberta Data Partnerships, Government of Canada, IHS Market
 Imagery: ESRI Maxar 2021



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!



Sunnynook Transmission Project
 PROPOSED ROUTE MOSAIC MAP

June 2023
 RS-9LA24 - N1 - 01

Attachment 4 – AESO Market Participant Notification Letter (May 6, 2024)

May 6, 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 Sunnynook Solar Connection in the Hanna area

The Alberta Electric System Operator (AESO) would like to advise you that Sunnynook Solar Energy Inc. (Sunnynook) has applied for transmission system access to connect its approved Sunnynook Solar project (approved Facility) to the Alberta interconnected electric system (AIES) in the AESO's South 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 were observed pre-project on the 138/144 kV transmission lines 7L760, 7L132, 472L, 715L and 749L and are exacerbated with the addition of the approved Facility. New Category A thermal criteria violations were observed following the connection of the approved Facility on the 138/144 kV transmission line 7L53. 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.

In addition, thermal, voltage and transient stability criteria violations were 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, existing RASs 200, 211 and 215, planned RASs 204 and 213, and four new RASs will be used. In addition, existing RASs 134 and 201 will be modified by adding the approved Facility to the RAS logic, which will curtail the approved Facility upon activation. The total megawatts tied to RAS 134 and RAS 201 exceed 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.

¹ The studies were performed assuming the Rate STS, *Supply Transmission Service*, contract capacity of 280 MW and a Rate DTS, *Demand Transmission Service*, contract capacity of 2 MW.

The AESO may 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.

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.

The engineering connection assessment will be included in the AESO’s needs identification document (NID) application. Following submission of the NID application to the AUC, the NID application 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 Sunnynook Solar Connection in the Hanna area*

Need for the Sunnynook Solar Connection in the Hanna area

Sunnynook Solar Energy Inc. (Sunnynook) has applied to the AESO for transmission system access to connect its proposed Sunnynook Solar project (Facility) in the Hanna area. Sunnynook's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kilovolt (kV) transmission line to connect the Facility to the existing 240 kV transmission line 9L24 using a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

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.

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- Must plan the transmission system and enable access to it for generators and other qualified customers.
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- Is the transmission facility owner in the Hanna 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

Alberta Electric System Operator

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

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

Attachment 5 – AESO Public Notification of NID Filing Website Posting (May 2024)

Sunnynook Solar Connection (2464)

Notice of Filing

The AESO intends to file the Sunnynook Solar Connection (Project) Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after June 13, 2024.

Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (May 29, 2024)



GRID

Notice of Filing | Sunnynook Solar Connection

Sunnynook Solar Energy Inc. (Sunnynook) has applied to the AESO for transmission system access to connect its proposed Sunnynook Solar project (facility) in the Hanna area. Sunnynook's request can be met by the following solution:

- Add one 240 kilovolt (kV) transmission line to connect the facility to the existing 240 kV transmission line 9L24 using a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file the Sunnynook Solar Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after June 13, 2024.

To see all the relevant documents, including the NID application once filed with the AUC, please [click here](#) to view the project page or visit www.aeso.ca and follow the path Grid > Transmission Projects > Sunnynook Solar Connection (2464).