

Participant Involvement Program Summary

Oyen 1 Solar Project Connection

Date: March 17, 2026

Version: V1

Classification: Public

1. Introduction

From January 2025 to February 2026, the AESO conducted a Participant Involvement Program (PIP) for the *Oyen 1 Solar Project Connection Needs Identification Document*. The AESO directed the legal owner of transmission facilities (TFO), in this case ATCO Electric Ltd., (ATCO) to assist the AESO in providing notification as part of the AESO's PIP.

The AESO's PIP 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 November 6, 2025.

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/oyen-1-solar-project-connection-2611/> and a notice was published in the AESO Stakeholder Newsletter on January 15, 2025. 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 two rounds of notification, one in January 2025 (January Notification) and one in May 2025 (May Notification) as further described below.

2.1.1 January Notification

The TFO has advised the AESO that its January Notification included notification within 800 meters of the proposed transmission line and within 200 meters of the existing substation as recommended by the Commission in Appendix A1 in AUC Rule 007.¹

The TFO notified a total of approximately 40 Stakeholders, of which 22 were classified as private or individual landowners. The other 18 notified Stakeholders 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* and *Substation developments within existing facilities, where there is a change in the substation fenceline or which create visual or noise impact – rural and industrial*, as categorized in AUC Rule 007, Appendix A1, Section 5.

- 15249856 Canada Ltd c/o Peyto Exploration & Development Corp
- Alberta Transportation and Economic Corridors – Hanna
- Bluearth Renewables Inc
- Canlin Energy Corporation
- Direct Energy Marketing Limited
- Dry Country Gas Co-op Ltd
- Hazelwood Energy Limited c/o Alberta Energy Regulator
- Hudson's Bay Oil and Gas Company Limited c/o Plains Midstream Canada ULC
- Merit Energy Ltd c/o Tourmaline Oil Corp
- Municipal District of Cereal No. 242 c/o Special Areas Board
- Municipal District of Golden Centre No. 272 c/o Special Areas Board
- NAV Canada
- Nuvista Energy Ltd
- Renaissance Energy Ltd c/o Cenovus Energy Inc
- Special Areas Board – Special Areas No. 3
- TELUS Communications Inc
- The Alberta Gas Trunk Line Co Ltd c/o TransCanada Corporation
- Vantage Point Resources Inc

Attachment 3 includes the TFO's project newsletter, which included the AESO Need Overview that was distributed to the Stakeholders described above on January 8, 2025. The TFO's project newsletter was posted on the TFO's project-specific webpage <https://electric.atco.com/en-ca/about-us/projects/oyen-solar-east-connection-transmission.html> on January 6, 2025. The TFO's project information package 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 May Notification

The TFO has advised the AESO that its May Notification included notification within 800 meters of the proposed transmission line and within 200 meters of the existing substation as recommended by the Commission in Appendix A1 in AUC Rule 007.²

The TFO notified a total of approximately 57 Stakeholders, of which 31 were classified as private or individual landowners. The other 26 notified Stakeholders are listed below:

- 15249856 Canada Ltd c/o Peyto Exploration & Development Corp
- Alberta Environment & Protected Areas
- Alberta Transportation and Economic Corridors – Hanna
- Bluearth Renewables Inc
- Bonavista Petroleum Ltd c/o Tourmaline Oil Corp
- Calpine Canada Resources Ltd c/o Calpine Canada Resources Company
- Canlin Energy Corporation
- Cenovus Energy Inc
- Dry Country Gas Co-op Ltd
- Ducks Unlimited Canada
- Hazelwood Energy Limited c/o Alberta Energy Regulator
- Hudson's Bay Oil and Gas Company Limited c/o Plains Midstream Canada ULC
- Merit Energy Ltd c/o Tourmaline Oil Corp
- Municipal District of Cereal No. 242 c/o Special Areas Board
- Municipal District of Golden Centre No. 272 c/o Special Areas Board
- NAV Canada
- NGTL GP Ltd c/o TransCanada Corporation
- Nuvista Energy Ltd
- Renaissance Energy Ltd c/o Cenovus Energy Inc
- South Bow GP (Canada) Ltd
- Special Areas Board – Special Areas No. 3
- TELUS Communications Inc
- The Alberta Gas Trunk Line Co Ltd c/o TransCanada Corporation
- TransCanada Keystone Pipeline GP Ltd c/o South Bow GP (Canada) Ltd
- Trooper Oil and Gas Ltd

² The TFO has identified its facility application to be of the type: *Overhead transmission line and new substation development – rural or industrial setting* and *Substation developments within existing facilities, where there is a change in the substation fence line or which create visual or noise impact – rural and industrial*, as categorized in AUC Rule 007, Appendix A1, Section 5.

- Vantage Point Resources Inc

Attachment 4 includes the TFO's project newsletter, which included the AESO Need Overview that was distributed to the Stakeholders described above starting May 1, 2025. The TFO's project newsletter was posted on the TFO's project-specific webpage <https://electric.atco.com/en-ca/about-us/projects/oyen-solar-east-connection-transmission.html> on May 1, 2025. The TFO's project information package 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 20 market participants that the AESO determined may have an interest in the Oyen 1 Solar Project Connection. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Oyen 1 Solar Project. A Market Participant Notification Letter, which included the Need Overview, was sent to the notified market participants on January 19, 2026.

The 20 notified market participants are as follows:

- 23113260 Alberta Ltd.
- ABO Wind Canada Ltd.
- BER Hand Hills Wind LP
- Bull Creek Wind Power Limited Partnership
- Concord Drumheller Partnership
- Eridani Ltd.
- Garden Plain I LP
- Halkirk I Wind Project LP
- Heze Ltd.
- Killamey Lake Solar LP
- Kneehill Solar LP
- Lanfine Wind 1 LP
- Michichi Solar LP
- Paintearth Wind Project Limited Partnership
- Renewable Energy Systems Canada Inc.
- Renewable Energy Systems Canada Inc. (RESC)
- Rising Sun Inc.
- Sharp Hill Wind Farm
- Subra Limited Partnership
- Wheatland Wind Project LP

A generic version of the Market Participant Notification Letter was posted to the AESO website on January 19, 2026 at <https://www.aeso.ca/grid/transmission-projects/oyen-1-solar-project-connection-2611/>. A copy has been included as Attachment 5.

4. 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 (3000, 240 4th 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.

5. Questions and Concerns Raised

One Stakeholder 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 Oyen 1 Solar Project Connection. The AESO responded by providing information about congestion in the area.

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.

6. List of Attachments

- Attachment 1 – AESO Need Overview (January 2025)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (January 15, 2025)
- Attachment 3 – TFO Project Newsletter – Oyen Solar East Connection Transmission Project (January 2025)
- Attachment 4 – TFO Project Newsletter – Oyen Solar East Connection Transmission Project (May 2025)
- Attachment 5 – AESO Market Participant Notification Letter (January 19, 2026)

Attachment 1 – AESO Need Overview (January 2025)

Need for the Oyen 1 Solar Project Connection

UK Solar East Ltd (UK Solar) has applied to the AESO for transmission system access to connect its proposed Oyen 1 Solar Project (Facility) in the Oyen area. UK Solar'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 Lanfine 959S substation in a radial configuration.
- Modify Lanfine 959S substation, including adding two 240 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- In mid 2025, 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 when 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 Oyen area.
- Is responsible for detailed siting and routing, constructing, operating, and maintaining the transmission facilities.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

WHO IS THE AESO?

The Alberta Electric System Operator (AESO) plans and operates Alberta's electricity grid and wholesale electricity market safely, reliably and in the public interest of all Albertans. We are a not-for-profit organization with no financial interest or investment of any kind in the power industry.

We appreciate your views, both on the need for transmission system development and proposed transmission plans. If you have any questions or comments, please contact us directly.

CONTACT US

Alberta Electric System Operator

AESO Stakeholder Relations
stakeholder.relations@aeso.ca
 1-888-866-2959

3000, 240-4th Avenue SW
 Calgary, AB T2P 4H4
 Phone: 403-539-2450

www.aeso.ca |  @theaeso

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (January 15, 2025)

GRID

Need Overview | Oyen 1 Solar Project Connection

UK Solar East Ltd (UK Solar) has applied to the AESO for transmission system access to reliably connect its proposed Oyen 1 Solar Project (Facility) in the Oyen area.

[Click here](#) to view details of the proposed transmission development and access the Need Overview document or visit aeso.ca: Grid > Transmission Projects > Oyen 1 Solar Project Connection (P2611).

**Attachment 3 – TFO Project Newsletter – Oyen Solar East Connection Transmission Project
(January 2025)**

ATCO SHAPE the conversation



January 2025

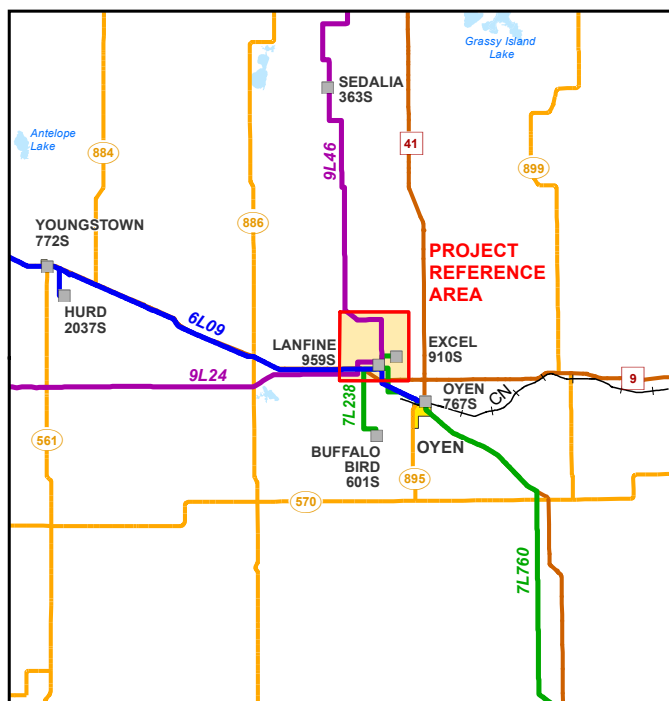
OYEN SOLAR EAST CONNECTION TRANSMISSION PROJECT

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) Oyen Solar East Connection Transmission Project (the Project) will be located approximately eight (8) kilometres (km) northwest of Oyen, Alberta and is needed to connect a solar generation facility to the electrical grid.

If approved, the Project will include the construction of approximately nine (9) km of single-circuit 240 kilovolt (kV) transmission line (to be called 9L141) between the existing 959S Lanfine substation and the customer's proposed substation. The Project also requires alterations at the existing 959S Lanfine substation to accommodate the proposed transmission line. Please refer to enclosed materials for further details.

ATCO is seeking your input on how this Project will affect you. 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:

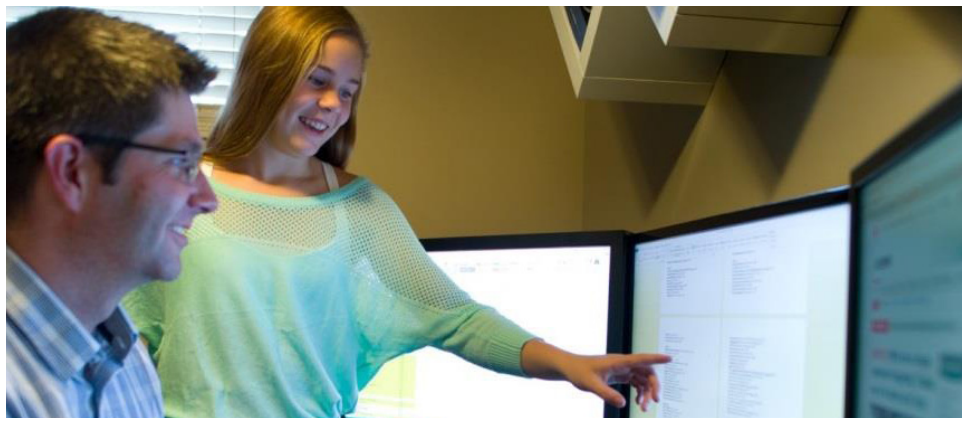
- Project Fact Sheet
- Proposed Route Mosaic Map
- Proposed Site Layout
- AESO Need Overview
- AUC Brochure: Participating in the AUC's independent review process to consider facility applications
- Reply form and postage paid envelope

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 Oyen Solar East Connection 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 with 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 proposed facilities.

The AUC reviews the applications 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 the proposed 9L141 transmission line 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



JANUARY 2025

Consultation begins



JANUARY 2025

Application filed with the Alberta Utilities Commission (AUC)



JULY 2025

If approval is granted, construction begins



OCTOBER 2026

Facilities completed and operating



MARCH 2027

CONTACT INFORMATION

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

- Call us toll free at: 1-855-420-5775 or
- Use the enclosed reply form and postage-paid envelop to share feedback or
- Contact the planner directly:

Thomas Milligan

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

Email: consultation@atcoelectric.com

Website: <https://electric.atco.com/en-ca/community/projects/oyen-solar-east-connection-transmission-project.html>

Alberta Electric System Operator (AESO)

Phone: 1-888-866-2959
Email: stakeholder.relations@aesoc.ca
Website: www.aesoc.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 facilities application, which includes details such as location 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**.

January 2025

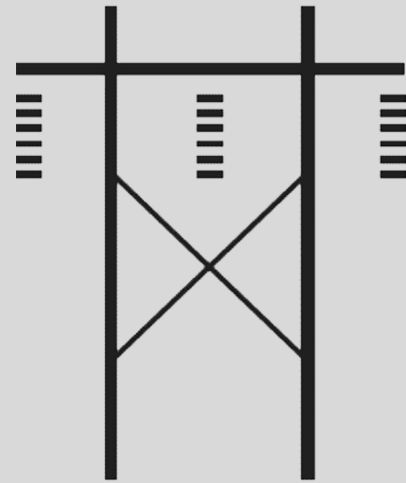
OYEN SOLAR EAST CONNECTION TRANSMISSION PROJECT

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



Existing 959S Lanfine Substation

The Project will require alterations to the existing substation to accommodate the proposed transmission line.



New 240 kV Transmission Line 9L141

Approximately nine km of new single-circuit 240 kV transmission line (to be called 9L141).

THE DETAILS

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

- Two (2) 240 kV circuit breakers
- Associated switches and equipment

The new equipment will be installed entirely within the existing 959S Lanfine substation site (please see enclosed site layout).

THE DETAILS

If approved, the new single-circuit 240 kV transmission line 9L141 will consist of:

- Three sets of bundled conductor wires
- Wood pole H-Frame structures
- One (1) overhead shield wire
- One (1) optical ground wire
- One (1) Motor Operated Disconnect (MOD)

Transmission line 9L141 will connect the existing 959S Lanfine substation to the customers proposed substation.

What It Will Look Like

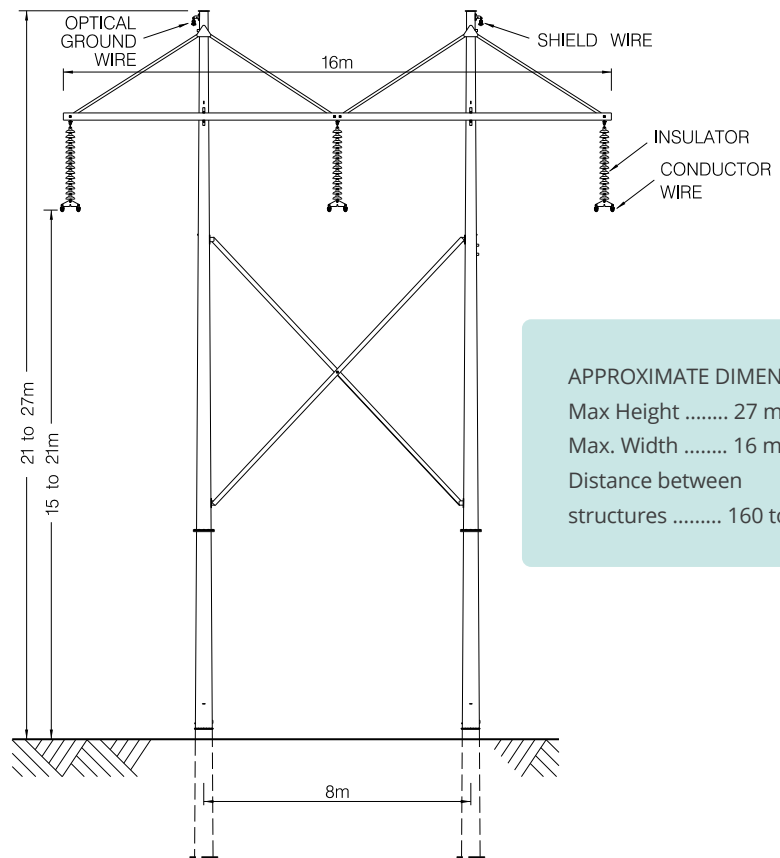
If approved by the AUC, the new 240 kV transmission line will be built with wood H-frame structures similar to the one shown here.

Structures will be single-circuit. This means they will have three sets of bundled conductor wires strung across them, one overhead shield wire and one optical ground wire at the top of the structure. The typical distance between structures will be approximately 160 to 200 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, bush and debris to allow access for construction and ongoing maintenance.

Definitions

Capacitor: A device that stores electrical energy by accumulating electrical charges on two closely spaced surfaces that are insulated from each other.

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.

Transformer: An electrical device that increases or decreases the voltage of electricity in an electrical substation.



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

SHAPE THE CONVERSATION

OYEN SOLAR EAST CONNECTION 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 Land & Property Rights Tribunal, 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:

**Attachment 4 – TFO Project Newsletter – Oyen Solar East Connection Transmission Project
(May 2025)**

ATCO SHAPE the conversation



PROJECT NEWSLETTER

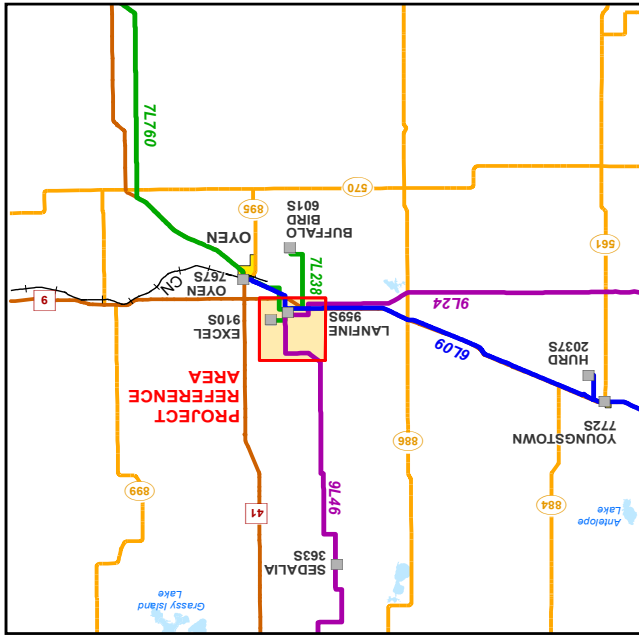
OYEN SOLAR EAST CONNECTION TRANSMISSION PROJECT

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.

You may have been previously notified about the proposed ATCO Electric Ltd. (ATCO) Oyen Solar East Connection Transmission Project (the Project) will be located approximately eight (8) kilometres (km) northwest of Oyen, Alberta and is needed to connect a solar generation facility to the electrical grid. This package contains information about additional route options for the Project.

If approved, the Project will include the construction of approximately nine (9) km of single-circuit 240 kilovolt (kV) transmission line (to be called 9L141) between the existing 9595 Lanfine substation and the customer's proposed substation. The Project also requires alterations at the existing 9595 Lanfine substation to accommodate the proposed transmission line. Please refer to enclosed materials for further details.

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



Included in this package:

- Project Fact Sheet
- Proposed Route Mosaic Map
- Proposed Site Layout
- AESO Need Overview
- AUC Brochure: Participating in the AUC's independent review process to consider facility applications
- Reply form and postage paid envelope

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.

Project Need

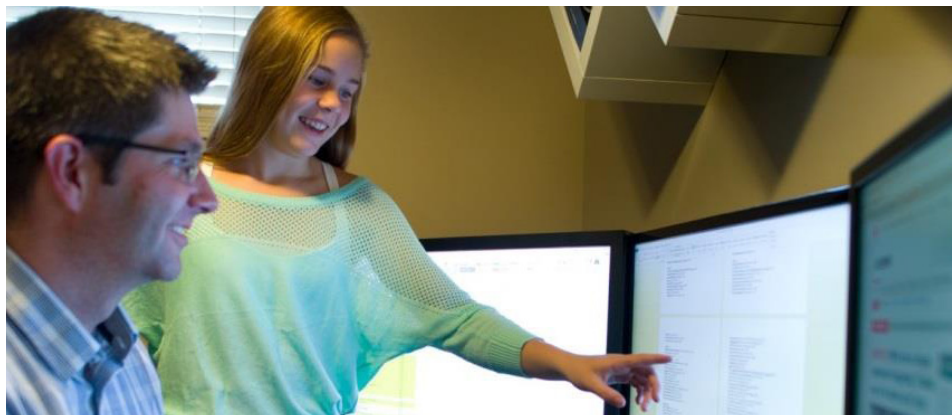
The Alberta Electric System Operator (AESO) is an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial transmission grid. For more information about why this project is needed, please refer to the AESO's Need Overview included with this package or visit www.aeso.ca.

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 Oyen Solar East Connection 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 with 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 proposed facilities.

The AUC reviews the applications 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 the proposed 9L141 transmission line 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



MAY 2025

Consultation begins



MAY 2025

Application filed with the Alberta Utilities Commission (AUC)



NOVEMBER 2025



NOVEMBER 2026
If approval is granted,
construction begins

Facilities completed
and operating



MARCH 2027

CONTACT INFORMATION

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

- Call us toll free at: 1-855-420-5775 or
- Use the enclosed reply form and postage-paid envelop to share feedback or
- Contact the planner directly:

Thomas Milligan

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

Email: consultation@atcoelectric.com

Website: <https://electric.atco.com/en-ca/community/projects/oyen-solar-east-connection-transmission-project.html>

Alberta Electric System Operator (AESO)

Phone: 1-888-866-2959
Email: stakeholder.relations@aesoc.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

The ATCO logo consists of the letters "ATCO" in a bold, white, sans-serif font. The letters are positioned above a thick, horizontal orange bar that is slightly wider than the text.

Approval Process

Alberta's electrical system is regulated by the AUC, an independent agency of the province that ensures the fair and responsible delivery of utility services. Before ATCO can begin construction on a project, the AUC must approve the facilities application, which includes details such as location of electric transmission facilities and 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**.

The Technical Details

May 2025

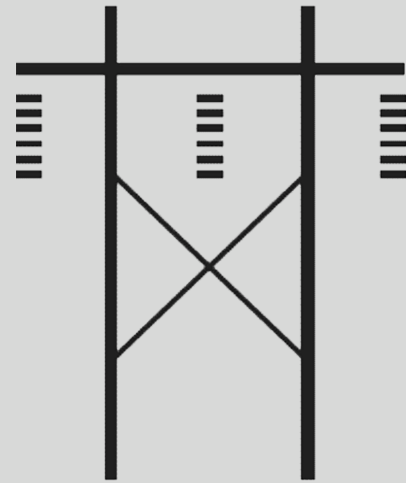
OYEN SOLAR EAST CONNECTION TRANSMISSION PROJECT

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



Existing 959S Lanfine Substation

The Project will require alterations to the existing substation to accommodate the proposed transmission line.



New 240 kV Transmission Line 9L141

Approximately nine km of new single-circuit 240 kV transmission line (to be called 9L141).

THE DETAILS

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

- Two (2) 240 kV circuit breakers
- Associated switches and equipment

The new equipment will be installed entirely within the existing 959S Lanfine substation site (please see enclosed site layout).

THE DETAILS

If approved, the new single-circuit 240 kV transmission line 9L141 will consist of:

- Three sets of bundled conductor wires
- Wood pole H-Frame structures
- One (1) overhead shield wire
- One (1) optical ground wire
- One (1) Motor Operated Disconnect (MOD)

Transmission line 9L141 will connect the existing 959S Lanfine substation to the customers proposed substation.

What It Will Look Like

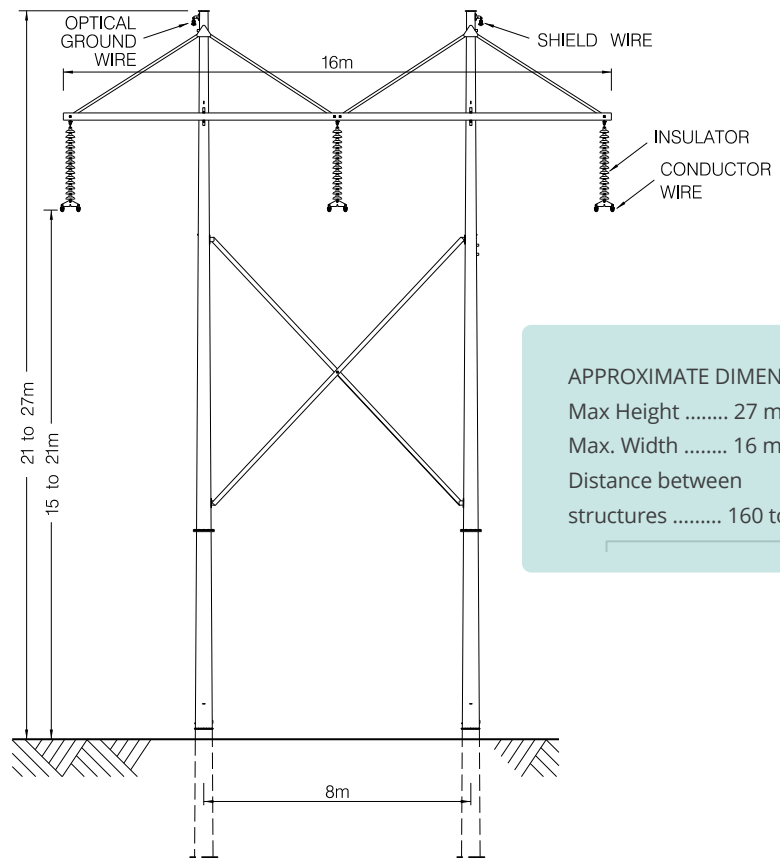
If approved by the AUC, the new 240 kV transmission line will be built with wood H-frame structures similar to the one shown here.

Structures will be single-circuit. This means they will have three sets of bundled conductor wires strung across them, one overhead shield wire and one optical ground wire at the top of the structure. The typical distance between structures will be approximately 160 to 200 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, bush and debris to allow access for construction and ongoing maintenance.

Definitions

Capacitor: A device that stores electrical energy by accumulating electrical charges on two closely spaced surfaces that are insulated from each other.

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.

Transformer: An electrical device that increases or decreases the voltage of electricity in an electrical substation.



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

SHAPE THE CONVERSATION

OYEN SOLAR EAST CONNECTION 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 Land & Property Rights Tribunal, 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:

Attachment 5 – AESO Market Participant Notification Letter (January 19, 2026)

January 19, 2026

Notified Market Participant Corporate Legal Name

Address Line 1.

Address Line 2.

City, Province, Postal Code.

Dear **Notified Market Participant Primary Contact:**

Re: **Oyen 1 Solar Project Connection**

The Alberta Electric System Operator (AESO) would like to advise you that UK Solar East Ltd (UK Solar) has applied for transmission system access to connect its proposed Oyen 1 Solar Project (Facility) to the Alberta interconnected electric system (AIES) in the AESO 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 operation of **[Effective Generation Facility Name]** (**[Effective Generation Facility Asset ID]**) may be affected following the connection of the Facility.

Connection Assessment Findings

An engineering connection assessment was carried out by the AESO to assess the transmission system performance following the connection of the 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 749AL, 7L760/760L, 7L132, 715L, and 715AL and most of these are exacerbated with the addition of the proposed Facility. New Category A thermal criteria violations were observed on the 138 kV transmission line 472L, and on the 240 kV transmission line 9L62 following the connection of the Facility. The approved Central East Transfer-Out (CETO)² Transmission Development will alleviate violations on 9L62 once it is in service. 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.

The AESO will 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.

In addition, thermal criteria violations and a transient instability violation were also identified when a single transmission facility is out of service (Category B) following the connection of the Facility. To mitigate these potential system performance issues, real-time operational measures and existing, planned, modified and new remedial action schemes (RASs) will be used. Once RAS 201 is modified to add the Facility to the RAS logic, the total megawatts assigned to the RAS will exceed the Maximum Severe Single Contingency (MSSC) limit.

¹ The studies were performed assuming the Rate STS, *Supply Transmission Service*, contract capacity of 268 MW and a Rate DTS, *Demand Transmission Service*, contract capacity of 1 MW.

² More information about the approved CETO Project is available on the AESO website. Construction is commencing for Stage 1, with an anticipated in-service date of Q2 2026.

Therefore, pre-contingency curtailment of projects assigned to these RASs may be required under the Category A condition, to prevent generation curtailment above the MSSC limit during Category B conditions.

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

For Further Information

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

The engineering connection assessment will be included in the AESO's Oyen 1 Solar Project Connection 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: Oyen 1 Solar Project Connection