

## 1. Introduction

From February 2023 to April 2024, the AESO conducted a Participant Involvement Program (PIP) for the *Estuary Solar Project Connection Needs Identification Document*. The AESO directed the legal owner of transmission facilities (TFO), in this case AltaLink Management Ltd., (AltaLink) in its capacity as general partner of AltaLink L.P., 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 and Indigenous Group 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.

A copy of the Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/transmission-projects/estuary-solar-project-connection-2418/> and a notice was published in the AESO Stakeholder Newsletter on March 1, 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 and Indigenous groups, as further described in Section 2.1.

### 2.1 Stakeholders and Indigenous Groups Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 800 metres of the proposed transmission lines and existing substation site boundary and within 200 meters (m) of the proposed right-of-way boundary as recommended by the Commission in Appendix A1 of AUC Rule 007.<sup>1</sup>

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<sup>1</sup> AltaLink has identified its facility application to be of the type: *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 setting; New overhead transmission line – rural and industrial; and, Minor transmission line replacements within the original right-of-way – rural and industrial, as categorized in AUC Rule 007, Appendix A1, Section 5.*

The TFO notified a total of approximately 31 Stakeholders, of which 8 were classified as private or individual landowners. The other 20 notified Stakeholders and the 3 notified Indigenous groups are listed below:

- Alberta Culture
- Alberta Environment and Parks – Protected Areas
- Alberta Ethane Development Ltd. c/o Pembina Pipelines
- ATCO Energy Ltd.
- Blood Tribe
- Canlin Energy Corporation
- Cypress County
- EDP Renewables Canada Ltd.
- Foothills Pipelines (ALTA) Ltd. c/o TC Energy
- FortisAlberta Inc.
- Greencells Indygen Alberta Ltd.
- Inter Pipeline Ltd.
- Inter Pipeline Extraction Ltd.
- NAV Canada
- Nova Gas Transmission Ltd. c/o TC Energy
- Piikani Nation
- Plains Midstream ULC
- Siksika Nation
- Synergist Energy Inc.
- Telus Inc.
- TransCanada Pipelines Ltd. c/o TC Energy
- Transport Canada
- Veresen NGL Pipeline c/o Pembina Pipeline Corporation

Attachment 3 includes the TFO's project letter, which was included with the AESO Need Overview that was distributed to the Stakeholders and Indigenous groups described above on April 6, 2023. The TFO's project newsletter and the AESO Need Overview were also posted on the TFO's project-specific webpage at <https://www.altalink.ca/project/greencells-estuary-solar-project-connection/> on March 2, 2023. The TFO's project letter included the AESO's contact information, 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 eight market participants that the AESO determined may have an interest in the Estuary Solar Project Connection. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Estuary Solar Project Connection. A Market Participant Notification Letter, which included the AESO Need Overview, was sent to the notified market participants on March 19, 2024.

The eight notified market participants are:

- Beargrass Solar Inc.
- Capital Power Generation Services Inc.
- CI IV Buffalo Plains LP, by its general partner, CI IV Buffalo Plains GP Ltd.
- EDF Renewables Development Inc.
- Ghost Pine Windfarm LP
- Paintearth Wind Project Limited Partnership

- Renewable Energy Systems Canada Inc.
- Wheatland Wind Project LP

A generic version of the Market Participant Notification Letter was posted to the AESO website on March 19, 2024 at <https://www.aeso.ca/grid/transmission-projects/estuary-solar-project-connection-2418/>. A copy has been included as Attachment 4.

## 4. Filing Notification

Most recently, the AESO notified Stakeholders of its intention to submit the NID to the Commission by way of a posting to the AESO website at <https://www.aeso.ca/grid/transmission-projects/estuary-solar-project-connection-2418/> and a publishing notice in the AESO Stakeholder Newsletter on April 10, 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 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](mailto:stakeholder.relations@aeso.ca)). The AESO Need Overview included this contact information, along with the AESO's mailing address (2500, 330 5<sup>th</sup> Ave. SW, Calgary) and website address ([www.aeso.ca](http://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 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 (February 2023)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (March 1, 2023)
- Attachment 3 – TFO's Project Newsletter – Greencells Estuary Solar Project Connection (February 2023)
- Attachment 4 – AESO Market Participant Notification Letter (March 19, 2024)
- Attachment 5 – AESO Public Notification of NID Filing Website Posting (April 2024)
- Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (April 10, 2024)

**Attachment 1 – AESO Need Overview (February 2023)**

# Need for the Estuary Solar Project Connection in the Hamlet of McNeil area

*Greencells Indygen Alberta Ltd. (Greencells) has applied to the AESO for transmission system access to connect its proposed Estuary Solar Power Project (Facility) in the Hamlet of McNeil area. Greencells' request can be met by the following solution:*

## PROPOSED SOLUTION

- Add one 138 kilovolt (kV) transmission line to connect the Facility to the existing Empress 394S substation in a radial configuration.
- Modify the Empress 394S substation, including adding one 138 kV circuit breaker.
- Increase the capacity of the existing 138 kV transmission line 760L from 120 megavoltamperes (MVA) to 240 MVA.
- Add or modify associated equipment as required for the above transmission developments.

## NEXT STEPS

- In mid 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](http://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.

## ALTALINK

- Is the transmission facility owner in the Hamlet of McNeil 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](mailto:stakeholder.relations@aeso.ca)  
1-888-866-2959

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

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

**Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (March 1, 2023)**



## GRID

### **Estuary Solar Project Connection – Need for Transmission Development in the Hamlet of McNeil area**

Greencells Indygen Alberta Ltd. (Greencells) has applied to the AESO for transmission system access to connect its proposed Estuary Solar Project (Facility) in the Hamlet of McNeil area. Greencells' request can be met by the following solution:

- Add one 138 kV transmission line to connect the Facility to the existing Empress 394S substation in a radial configuration.
- Modify the Empress 394S substation, including adding one 138 kV circuit breaker.
- Increase the capacity of the existing 138 kV transmission line 760L from 120 MVA to 240 MVA.
- 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](http://www.aeso.ca) and follow the path Grid > Transmission Projects > Estuary Solar Project Connection (2418)

**Attachment 3 – TFO's Project Newsletter – Greencells Estuary Solar Project Connection  
(February 2023)**



# Electric system improvements near you

## Greencells Estuary Solar Project Connection

You are receiving this newsletter because you are near the Greencells Estuary Solar Project Connection and we want your input.

To connect the Greencells Indygen Alberta Ltd. (Greencells) project to the grid, AltaLink is proposing changes to its **transmission** system. AltaLink's proposed project is located in Cypress County, in the vicinity of the Hamlet of McNeill.

Greencells has applied to the Alberta Utilities Commission for their proposed solar power facility. Although AltaLink's project is required to facilitate the connection of the Greencells project, it is a separate project. For more information about Greencells, see their contact information on the back of this newsletter.

We are providing you with:

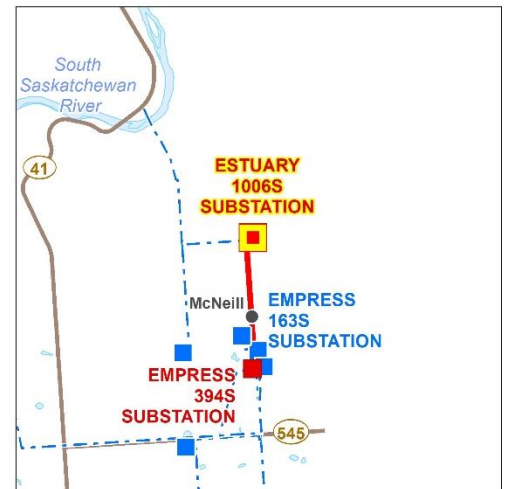
- project details
- maps of the proposed project
- information about how you can provide your input
- project schedule

### DEFINITION:









#### Transmission

Transmission lines make up Alberta's electric highway, linking the places where power is generated to where power is used. Transmission lines transport large amounts of power over long distances across the province. The transmission system connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

AltaLink's transmission system efficiently delivers electricity to 85 per cent of Albertans. Dedicated to meeting the growing need for electricity, AltaLink connects Albertans to renewable, reliable and low-cost power. With a commitment to community and environment, AltaLink is ensuring the transmission system will support Albertans' quality of life for years to come. Learn more at [www.altalink.ca](http://www.altalink.ca).



### LEGEND

- |   |  |
|---|--|
|  Proposed Modification of Existing Substation        |  Existing Transmission Line |
|  Proposed Greencells' Estuary Substation Target Area |  Hamlet or Locality         |
|  Existing Substation                                 |  Road                       |
|  Proposed Transmission Line                          |  Water Body                 |

## CONTACT US

1-877-267-1453

[stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca)

[www.altalink.ca/projects](http://www.altalink.ca/projects)






## Project details

To connect the Greencells project to the grid, AltaLink's proposed project includes building new transmission lines, relocating and modifying existing transmission lines and expanding the existing Empress 394S **Substation**. The details are outlined below and can be seen on the detail photo map and strip maps included in this package.

- **Building a new transmission line:** Building approximately four kilometres of new 138 kilovolt (kV) transmission line that will connect Greencells proposed Estuary Substation to AltaLink's existing Empress 394S Substation.
  - Optical ground wire (OPGW) will need to be installed on the new transmission line – this equipment provides lightning protection and is part of a telecommunication network that allows AltaLink to monitor, control, protect, and restore the electric system
- **Upgrading an existing transmission line:** Relocating approximately 575 metres (m) of the 760L transmission line approximately 70 m to the west, where it will be combined with a portion of the new transmission line into one double **circuit** line
  - Approximately 575 m of the 760L line will be salvaged once the relocation is complete
  - To connect the relocated line to the existing Empress 163S Substation, approximately 65 m of new 138 kV single circuit transmission line will be built
- **Adding or replacing structures along existing transmission lines in the area**
  - Adding one new H-Frame structure on the existing 760L transmission line (west of Greencell's proposed Estuary Substation)
  - Replacing two structures on the existing 760L transmission line west of the Empress 394S Substation with two similar structures that will have guy wires
  - Replacing one existing monopole structure on the 869L transmission line with a new H-frame structure (west of the existing Empress 163S Substation)
  - Removing one structure on the 669L transmission line on the east side of Range Road 11 and adding two similar structures that will have guy wires

## Proposed transmission structures

	Proposed structures for the new transmission lines		Proposed structure additions/replacements along existing transmission lines
	Single circuit monopole	Double circuit monopole	H-frame
			
<b>Type</b>	Wood or steel		Wood or steel
<b>Height</b>	Between 20 and 35 m		Between 20 and 35 m
<b>Location</b>	Within road allowance		Located within the existing <b>right-of-way</b>
<b>Right-of-way</b>	Approximately 20 m when located on private property and 10 m on road allowance		
<b>Guy wires</b>	May be required in certain locations		Not required

## Substation expansion

AltaLink is proposing to install a new 138 kV **circuit breaker** and associated equipment to the Empress Substation. To accommodate the new equipment, the substation fence line will need to expand by approximately 20 x 45 metres to the north.



*Empress 394S Substation*



*138 kV circuit breaker*

## Construction workspace

Construction workspace, in addition to the transmission line right-of-way, is required for the safe construction of the transmission line. Construction workspace is shown on the strip maps included in this package. AltaLink will consult with all affected landowners regarding potential construction workspace.

### DEFINITIONS:

#### **Substation**

Substations are the connection points between power lines of varying voltages and contain equipment that controls and protects the flow of power. Substations include transformers that step down and step up the voltage so power can be transmitted through transmission lines or distributed to your community through distribution lines.

#### **Circuit**

A circuit is a group of wires that electricity flows through. The wires are strung along power line structures. Transmission line structures can be described as single or double circuit. In a single circuit transmission line, three single or bundled wires are strung along the transmission structures. A double circuit transmission line has six single or bundled wires strung along the structures.

#### **Right-of-way**

The right-of-way is a strip of land required for the construction and safe operation of a transmission line. A right-of-way refers to the physical space a transmission line encompasses including areas on either side of the line. The majority of the right-of-way can still be used by the landowner. Buildings cannot be placed on the right-of-way, but can be built up to the edge of the right-of-way.

#### **Circuit Breaker**

Circuit breakers are electrical switches inside a substation that protect substation equipment. Circuit breakers help ensure the safety and reliability of the electric system.

## Providing your input

We will contact landowners, residents and occupants near the proposed project to gather input and address questions or concerns. Our priority is maintaining the health and safety of our employees, contractors, and the general public, while ensuring that we are able to continue to operate our system and keep the lights on for Albertans. We will follow any requested COVID-19 safety protocols for in-person meetings and accommodate your preferred meeting options, including over the phone, virtual or in-person. You can also provide input through our online feedback portal, found here: [www.altalink.ca/projectfeedback](http://www.altalink.ca/projectfeedback).

After our consultation and notification process is complete, we will file an application with the Alberta Utilities Commission (AUC). The AUC ensures the fair and responsible delivery of Alberta's utility services and will review the application through a process in which stakeholders can participate. We will notify stakeholders when we file the application and again once the AUC has reached a decision about the project. To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled *Participating in the AUC's independent review process to consider facility applications*.

## Anticipated project schedule

Notify and consult with stakeholders	February to May 2023
File application with Alberta Utilities Commission (AUC)	June 2023
Start construction if project is approved	September 2023
Construction completed	September 2024

*Although we attempt to follow the anticipated project schedule it is subject to change. We will continue to provide you with updated schedule information if required as the project progresses.*

## Contact us

*To learn more about the proposed project please contact:*

### **ALTALINK**

1-877-267-1453 (toll free)

E-mail: [stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca)

Website: [www.altalink.ca/projects](http://www.altalink.ca/projects)

*To learn more about Greencells proposed project please contact:*

### **Greencells Indygen Alberta Ltd.**

David Ashton, Director, Indygen Utility Ltd

E-mail: [david@indygen.co.uk](mailto:david@indygen.co.uk)

Phone: +44 (0) 794-381-2649

*To learn more about Alberta's electric system and the need for the project, please contact:*

### **ALBERTA ELECTRIC SYSTEM OPERATOR**

1-888-866-2959 (toll-free)

E-mail: [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)

Website: [www.aeso.ca](http://www.aeso.ca)

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

*To learn more about the application and review process, please contact:*

### **ALBERTA UTILITIES COMMISSION (AUC)**

780-427-4903 (toll-free by dialing 310-0000 before the number.)

E-mail: [consumer-relations@auc.ab.ca](mailto:consumer-relations@auc.ab.ca)

### **PRIVACY COMMITMENT**

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and the Personal Information Protection Act. As part of the regulatory process for new transmission projects, AltaLink may provide your personal information to Alberta Utilities Commission (AUC). For more information about how AltaLink protects your personal information, visit our website at [www.altalink.ca/privacy](http://www.altalink.ca/privacy) or contact us directly via e-mail [privacy@altalink.ca](mailto:privacy@altalink.ca) or phone at 1-877-267-6760.

## INCLUDED IN THIS INFORMATION PACKAGE:

- Project maps
- Information about Electric and Magnetic Fields
- AESO Need Overview
- AUC brochure: *Participating in the AUC's independent review process to consider facility applications*

## SUBSCRIBE TO THIS PROJECT

- 1) Visit: [altalink.ca/projects](http://altalink.ca/projects)
- 2) Search for the project title
- 3) Click **Subscribe to Updates**

## LET'S TALK TRANSMISSION



[www.twitter.com/altalink](https://www.twitter.com/altalink)



[www.facebook.com/altalinktransmission](https://www.facebook.com/altalinktransmission)

**Attachment 4 – AESO’s Market Participant Notification Letter (March 19, 2024)**

SENT VIA EMAIL

March 19, 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 Estuary Solar Project Connection in the Hamlet of McNeil area**

The Alberta Electric System Operator (AESO) would like to advise you that Greencells Indygen Alberta Ltd. (Greencells) has applied for transmission system access to connect its Estuary 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 to assess the transmission system performance following the connection of the approved Facility.<sup>1</sup> 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 7L159, 7L171, and 240 kV transmission lines 912L, 9L20, 924L, 927L, and 935L 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 lines, 7L16, 7L760, and 240 kV transmission line 923L.

The approved Central East Transfer-Out (CETO)<sup>2</sup> Transmission Development will alleviate the thermal criteria violations observed on the 240 kV transmission lines 912L and 9L20. The AESO is developing system plans to address thermal criteria violations on the 240 kV transmission lines 924L and 927L and the 138/144 kV system in the Hanna and Sheerness areas.<sup>3</sup> 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 and voltage criteria violations were also identified when a single transmission facility is out of service (Category B) following the connection of the Facility. To mitigate the potential Category B

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<sup>1</sup> The studies were performed assuming the Rate STS, *Supply Transmission Service*, contract capacity of 200 MW.

<sup>2</sup> 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.

<sup>3</sup> More information about this plan was provided at the Grid Reliability Update Stakeholder Session held on November 23, 2023; session materials are available on the AESO website.

system performance issues, existing and planned remedial action schemes (RAS) will be used. In addition, two new RASs, will be required.

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](mailto:stakeholder.relations@aeso.ca)

### **Attachments:**

AESO Need Overview: *Need for the Estuary Solar Project Connection in the Hamlet of McNeil area*



# Need for the Estuary Solar Project Connection in the Hamlet of McNeil area

*Greencells Indygen Alberta Ltd. (Greencells) has applied to the AESO for transmission system access to connect its proposed Estuary Solar Power Project (Facility) in the Hamlet of McNeil area. Greencells' request can be met by the following solution:*

## PROPOSED SOLUTION

- Add one 138 kilovolt (kV) transmission line to connect the Facility to the existing Empress 394S substation in a radial configuration.
- Modify the Empress 394S substation, including adding one 138 kV circuit breaker.
- Increase the capacity of the existing 138 kV transmission line 760L from 120 megavoltamperes (MVA) to 240 MVA.
- Add or modify associated equipment as required for the above transmission developments.

## NEXT STEPS

- In mid 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](http://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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## ALTALINK

- Is the transmission facility owner in the Hamlet of McNeil 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

AESO Stakeholder Relations  
[stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)  
1-888-866-2959

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

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



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

# Estuary Solar Project Connection (2418)

## Notice of Filing

The AESO intends to file the Estuary Solar Project Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after April 25, 2024.

**Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (April 10, 2024)**



## GRID

### Notice of Filing | Estuary Solar Project Connection

Greencells Indygen Alberta Ltd. (Greencells) has applied to the AESO for transmission system access to connect its proposed Estuary Solar Project (facility) in the Hamlet of McNeil area. Greencells' request can be met by the following solutions:

- Add one 138 kV transmission line to connect the facility to the existing Empress 394S substation in a radial configuration.
- Modify the Empress 394S substation, including adding one 138 kV circuit breaker.
- Increase the capacity of the existing 138 kV transmission line 760L from 120 MVA to 240 MVA.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file the Estuary Solar Project Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after April 25, 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](http://www.aeso.ca) and follow the path: Grid > Transmission-Projects > Estuary Solar Project Connection (2418).