Participant Involvement Program Summary

Blue Bridge Solar Park Connection

Date: February 27, 2025

Version: V1

Classification: Public

1. Introduction

From August 2024 to January 2025, the AESO conducted a Participant Involvement Program (PIP) regarding the *Blue Bridge Solar Park Connection Needs Identification Document*. The AESO directed the legal owner of transmission facilities (TFO), in this case AltaLink Management Ltd. (AltaLink) 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/blue-bridge-solar-park-connection-2091 and a notice was published in the AESO Stakeholder Newsletter on September 11, 2024. 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 and 2.2.

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 meters of the proposed Blue Bridge Solar Park Connection transmission facilities, as recommended by the Commission in Appendix A1 in AUC Rule 007.[1]

The TFO notified a total of approximately 26 Stakeholders, of which 6 were classified as private or individual landowners. The other 16 notified Stakeholders and the 4 notified Indigenous groups are listed below:

[1] The Market Participant has identified its facility application to be of the type: *Overhead transmission line and new substation development – rural or industrial setting*, as categorized in AUC Rule 007, Appendix A1, Section 5.

- Alberta Arts, Culture and Status of Women
- Alberta Environment and Parks Fish and Wildlife Stewardship
- Alberta Environment and Parks Regional Approvals – South Sask
- Blood Tribe
- Campus Energy Partners Operations Inc.
- Canlin Energy Corporation
- Cypress County
- Foothills Pipelines (Alta) Ltd.
- FortisAlberta Inc.
- Hilda Water Pipeline Co-op Ltd.
- Innovation, Science and Economic Development Canada
- Métis Nation of Alberta Region 3
- NAV Canada
- Nova Gas Transmission Ltd.
- Piikani Nation
- Plains Midstream Canada ULC
- Siksika Nation
- Telus Communication
- Transport Canada
- Transportation and Economic Corridors

Attachment 3 includes the TFO's project newsletter which included the AESO Need Overview, that was distributed to the Stakeholders described above in August 2024. The TFO's project newsletter was posted on the TFO's project-specific webpage at https://www.altalink.ca/project/blue-bridge-arenosum-solar-project-connection/. The TFO's project information package 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 20 market participants that the AESO determined may have an interest in the Blue Bridge Solar Park Connection. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Blue Bridge Solar Park Connection. A Market Participant Notification Letter, which included the AESO Need Overview, was sent to the notified market participants on January 22, 2025.

The 20 notified market participants are:

- Alberta Power (2000) Ltd.
- BER Hand Hills Wind LP
- Buffalo Atlee 1 Wind LP
- Buffalo Atlee 2 Wind LP
- Buffalo Atlee 3 Wind LP
- Buffalo Atlee 4 Wind LP
- Garden Plain I LP
- Ghost Pine Windfarm LP
- Greencells Indygen Alberta Ltd.
- Hilda Wind L.P.
- Jenner 1 Limited Partnership
- Jenner 2 Limited Partnership
- Jenner 3 Limited Partnership
- Jurassic Solar LP
- Kneehill Solar LP
- Northland Power Luna I GP
- Oldman 2 Wind Farm Limited
- Sunnynook Solar Energy Inc.
- Travers Solar LP
- Wheatland Wind Project LP

A generic version of the Market Participant Notification Letter was posted to the AESO website on January 22, 2025 at https://www.aeso.ca/grid/transmission-projects/blue-bridge-solar-park-connection-2091. A copy has been included as Attachment 4.

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 (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 and Market Participant were 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

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.

6. List of Attachments

- Attachment 1 – AESO Need Overview (August 2024)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (September 11, 2024)
- Attachment 3 – TFO's Project Newsletter – Blue Bridge (Arenosum) Solar Project Connection (August 2024)
- Attachment 4 – AESO Market Participant Notification Letter (January 22, 2025)

Attachment 1 – AESO Need Overview (August 2024)

Need for the Blue Bridge Solar Park Connection in the McNeill area

Blue Bridge Solar Park Limited Partnership (Blue Bridge Solar) has applied to the AESO for transmission system access to connect its proposed Blue Bridge Solar Park (Facility) in the McNeill area. Blue Bridge 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 240 kV transmission line 1002L in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- In early 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 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 McNeill Area.
- Is responsible for detailed siting and routing, constructing, operating, and maintaining the transmission facilities.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

WHO IS THE AESO?

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

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

CONTACT US

Alberta Electric System Operator

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

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

www.aeso.ca | **@theaeso**

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (September 11, 2024)

GRID

Need Overview | Blue Bridge Solar Park Connection

Blue Bridge Solar Park Limited Partnership (Blue Bridge Solar) has applied to the AESO for transmission system access to connect its proposed Blue Bridge Solar Park in the McNeil area.

Click here to view details of the proposed transmission development and access the Need Overview document, or visit aeso.ca: Grid > Transmission Projects > Blue Bridge Solar Park Connection

Attachment 3 – TFO's Project Newsletter – Blue Bridge (Arenosum) Solar Project Connection (August 2024)

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

AUGUST 2024

Blue Bridge (Arenosum) Solar Project Connection

You are receiving this newsletter because you are near the Blue Bridge (Arenosum) Solar Project Connection, and we want your input.

To connect Blue Bridge Solar Park G.P. Ltd.'s (Blue Bridge) Solar Project to the grid, AltaLink is proposing changes to its transmission system. The project is located in Cypress County, approximately 24 kilometres northwest of Hilda.

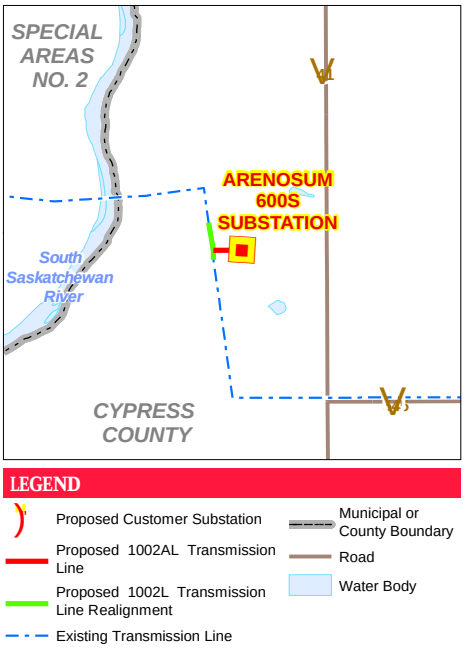
AltaLink's (Arenosum) and Blue Bridge's projects are separate. Blue Bridge will consult on their proposed project. For more information about Blue Bridge's project, see their contact information included in this newsletter.

Project details

To connect Blue Bridge's proposed project to the grid, Blue Bridge plans to construct a new **substation**, named Arenosum.

AltaLink is proposing changes to accommodate the connection of Blue Bridge's project and its Arenosum substation, including:

- constructing approximately 300 metres of new 240 kilovolt (kV) transmission line (to be named 1002AL)
- modifying and realigning a portion of AltaLink's existing 1002L transmission line
- installing a new **telecommunications tower** in Blue Bridge's proposed Arenosum substation



ANTICIPATED PROJECT SCHEDULE

AUGUST TO DECEMBER 2024
Notify and consult with stakeholders

JANUARY 2025
File application with Alberta Utilities Commission (AUC)

NOVEMBER 2025
Start construction if project is approved

MAY 2026
Construction completed

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.

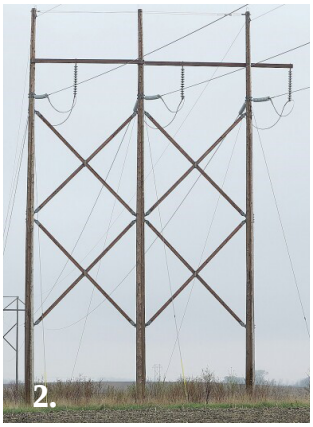
Proposed structures

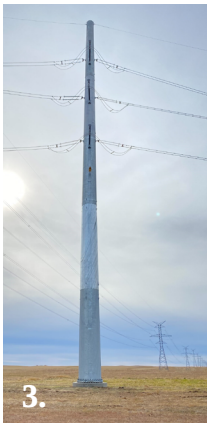
The proposed new structures on the 1002AL transmission line will be:

- Two steel monopole structures between 25 and 40 metres tall
- A wood or steel guyed three-pole structure between 15 and 30 metres tall

The modifications to the existing 1002L transmission line will include the addition of one new self-supporting steel monopole structure between 35 and 45 metres tall.

The structures will be located on private land and AltaLink will consult with affected landowners. Please see the included map for details.





1. Sample proposed monopole structure on 1002AL. 2. Sample proposed three-pole structure on 1002AL. 3. Sample proposed monopole structure on 1002L.

The telecommunications tower will look similar to the photo above.

Telecommunications tower

AltaLink is proposing to install a new **telecommunications tower** to help maintain the safety and reliability of the electric system in the area.

The proposed telecommunications tower will:

- be located within Blue Bridge's proposed Arenosum substation in SW-8-20-1-W4
- be a self-supported steel structure
- be approximately 30 to 40 metres tall (including the antenna and lightning rod) and have a triangular base
- comply with Transport Canada's requirements regarding painting and lighting
- not be accessible to the public, as the structure will be inside the fenced area of an operating substation and only support AltaLink equipment at this time

The location of the telecommunications tower is shown on the map included in this package.

Access trails and temporary construction workspace

Access trails and temporary construction workspace, in addition to the existing transmission line **right-of-way**, are required for this project. AltaLink will consult with affected landowners regarding the access trails and construction workspace. Proposed access trails and construction workspace are included on the maps in this package.

DEFINITIONS:

Right-of-way | *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.*

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.*

Telecommunications tower | *Telecommunications towers support equipment that transmits data to our system control centre. This allows us to monitor the operation of the electric system and ensure we provide safe and reliable power to our customers.*

Providing your input

We will contact landowners, residents, and occupants near the proposed project to gather input and address questions or concerns.

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.*

INCLUDED IN THIS INFORMATION PACKAGE:

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

OUR COMMITMENT TO SUSTAINABILITY

If the AUC approves this project, you may see or hear construction crews in the area. We have set strict standards by which we operate, including restricting work hours to reduce the impacts to residents and businesses, ensuring safe construction practices and following environmental protection measures and appropriate environmental legislation. AltaLink believes that the environmental effects of this project will be negligible. This project is not located on federal lands, therefore Canadian Environmental Assessment Act, 2012 does not apply. AltaLink's safety standards and practices are developed to meet or exceed government guidelines and codes to ensure that our facilities meet the requirements for public, employee and neighbouring facility safety.

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 AUC. For more information about how AltaLink protects your personal information, visit our website at www.altalink.ca/privacy or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

Contact us

To learn more about the proposed project please contact:

ALTALINK
1-877-267-1453 (toll free)
E-mail: stakeholderrelations@altalink.ca

To subscribe to this project:
visit www.altalink.ca/projects, search for the project title, and click 'subscribe to updates'

For more information about how AltaLink protects your personal information: visit our website at www.altalink.ca/privacy-legal or contact us directly via e-mail privacy@altalink.ca or phone at 1-877-267-6760.

To learn more about the proposed Blue Bridge Solar Park G.P. Ltd. project, please contact:

Christian Pollard

Development Project Lead, EDP
437-242-5466
christian.pollard@edp.com

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

Alberta Electric System Operator
1-888-866-2959 (toll-free)
Email: stakeholder.relations@aeso.ca
Website: www.altalink.ca/projects

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. 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.

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A BERKSHIRE HATHAWAY ENERGY COMPANY

AOÛT 2024

Connexion du Projet Solaire Blue Bridge (Arenosum)

Vous recevez cette newsletter car vous êtes à proximité de la Connexion du Projet Solaire Blue Bridge (Arenosum), et nous souhaitons connaître votre avis.

Pour connecter le projet solaire de Blue Bridge Solar Park G.P. Ltd. (Blue Bridge) au réseau, AltaLink propose des modifications à son système de transmission. Le projet est situé dans le comté de Cypress, à environ 24 kilomètres au nord-ouest de Hilda. Les projets d'AltaLink (Arenosum) et de Blue Bridge sont distincts. Blue Bridge consultera sur leur projet proposé. Pour plus d'informations sur le projet de Blue Bridge, veuillez consulter leurs coordonnées incluses dans cette newsletter.

Détails du projet

Pour connecter le projet proposé par Blue Bridge au réseau, Blue Bridge prévoit de construire une nouvelle **sous-station**, nommée Arenosum.

AltaLink propose des modifications pour accommoder la connexion du projet de Blue Bridge et de sa sous-station Arenosum, y compris:

- construction d'environ 300 mètres de nouvelle ligne de transmission de 240 kilovolts (kV) (qui sera nommée 1002AL) modification et réalignement d'une portion de la ligne de transmission existante 1002L d'AltaLink
- installation d'une nouvelle **tour de télécommunications** dans la sous-station Arenosum proposée par Blue Bridge

CALENDRIER PRÉVISIONNEL DU PROJET

AOÛT À DÉCEMBRE 2024	JANVIER 2025	NOVEMBRE 2025	MAI 2026
Informer et consulter les parties prenantes	*Déposer la demande auprès de la Commission des services publics de l'Alberta (AUC)*	*Commencer la construction si le projet est approuvé*	*Fin des travaux de construction*

Bien que nous essayions de respecter le calendrier prévisionnel du projet, celui-ci est susceptible de changer. Nous continuerons à vous fournir des informations mises à jour sur le calendrier si nécessaire au fur et à mesure de l'avancement du projet.

Structures proposées

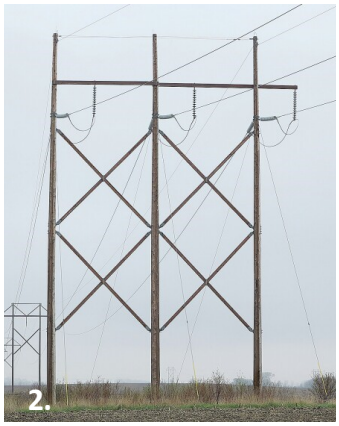
Les nouvelles structures proposées sur la ligne de transmission 1002AL seront:

- Deux structures monopoles en acier de 25 à 40 mètres de hauteur
- Une structure tripode haubanée en boisou en acier de 15 à 30 mètres de hauteur

Les modifications apportées à la ligne de transmission existante 1002L incluront l'ajout d'une nouvelle structure monopole en acier autoportante de 35 à 45 mètres de hauteur.

Les structures seront situées sur des terrains privés et AltaLink consultera les propriétaires fonciers concernés.

Veuillez consulter la carte incluse pour plus de details



1. Exemple de structure monopole proposée sur la 1002AL. 2. Exemple de structure tripode proposée sur la 1002AL. 3. Exemple de structure monopole proposée sur la 1002L.

La tour de télécommunications ressemblera à la photo ci-dessus.

Tour de télécommunications

AltaLink propose d'installer une nouvelle **tour de télécommunications** pour aider à maintenir la sécurité et la fiabilité du système électrique dans la région.

La tour de télécommunications proposée sera:

- située au sein de la sous-station Arenosum proposée par Blue Bridge dans SW-8-20-1-W4
- une structure en acier autoportante environ 30 à 40 mètres de hauteur (y compris l'antenne et le paratonnerre) et aura une base triangulaire
- conforme aux exigences de Transports Canada concernant la peinture et l'éclairage
- non accessible au public, car la structure sera située à l'intérieur de la zone clôturée d'une sous-station en service et ne soutiendra que l'équipement d'AltaLink pour le moment

L'emplacement de la tour de télécommunications est indiqué sur la carte incluse dans ce dossier.

Pistes d'accès et espace de travail temporaire pour la construction

Des pistes d'accès et un espace de travail temporaire pour la construction, en plus de **l'emprise** de la ligne de transmission existante, sont nécessaires pour ce projet. AltaLink consultera les propriétaires fonciers concernés concernant les pistes d'accès et l'espace de travail pour la construction. Les pistes d'accès proposées et l'espace de travail pour la construction sont inclus sur les cartes dans ce dossier.

DÉFINITIONS:

Emprise | *L'emprise est une bande de terrain nécessaire pour la construction et l'exploitation sécurisée d'une ligne de transmission.*
Une emprise se réfère à l'espace physique qu'une ligne de transmission englobe, y compris les zones situées de chaque côté de la ligne.
La majeure partie de l'emprise peut encore être utilisée par le propriétaire foncier. Des bâtiments ne peuvent pas être construits sur l'emprise, mais peuvent être érigés jusqu'au bord de celle-ci..

Sous-station | *Les sous-stations sont les points de connexion entre les lignes électriques de différentes tensions et contiennent des équipements qui contrôlent et protègent le flux de l'électricité.*
Les sous-stations incluent des transformateurs qui abaissent et augmentent la tension afin que l'électricité puisse être transmise via les lignes de transmission ou distribuée à votre communauté via les lignes de distribution.

Tour de télécommunications | *Les tours de télécommunications supportent des équipements qui transmettent des données à notre centre de contrôle du système. Cela nous permet de surveiller le fonctionnement du système électrique et de garantir la fourniture d'une électricité sûre et fiable à nos clients.*

Fournir votre avis

Nous contacterons les propriétaires fonciers, les résidents et les occupants à proximité du projet proposé pour recueillir leurs avis et répondre à leurs questions ou préoccupations.

Une fois notre processus de consultation et de notification terminé, nous déposerons une demande auprès de la Commission des services publics de l'Alberta (AUC). L'AUC veille à la prestation équitable et responsable des services publics en Alberta et examinera la demande via un processus auquel les parties prenantes peuvent participer.

Nous informerons les parties prenantes lorsque nous déposerons la demande et à nouveau lorsque l'AUC aura pris une décision concernant le projet. Pour en savoir plus sur le processus de l'AUC et sur la façon dont vous pouvez y participer, veuillez consulter la brochure incluse dans ce dossier intitulée "Participer au processus d'examen indépendant de l'AUC pour examiner les demandes d'installations".

INCLUS DANS CE PAQUET D'INFORMATIONS:

- Carte du projet
- Informations sur les champs électriques et magnétiques et les fréquences radio
- Aperçu des besoins de l'AESO
- Brochure de l'AUC : Participer au processus d'examen indépendant de l'AUC pour examiner les demandes d'installations

NOTRE ENGAGEMENT ENVERS LA DURABILITÉ

Si l'AUC approuve ce projet, vous pourriez voir ou entendre des équipes de construction dans la région. Nous avons établi des normes strictes par lesquelles nous opérons, y compris la restriction des heures de travail pour réduire les impacts sur les résidents et les entreprises, l'assurance de pratiques de construction sécuritaires et le respect des mesures de protection de l'environnement et de la législation environnementale appropriée. AltaLink croit que les effets environnementaux de ce projet seront négligeables. Ce projet n'est pas situé sur des terres fédérales, par conséquent, la Loi canadienne sur l'évaluation environnementale de 2012 ne s'applique pas. Les normes et pratiques de sécurité d'AltaLink sont développées pour répondre ou dépasser les directives et codes gouvernementaux afin de s'assurer que nos installations répondent aux exigences en matière de sécurité publique, de sécurité des employés et de sécurité des installations voisines.

ENGAGEMENT DE CONFIDENTIALITÉ

AltaLink s'engage à protéger votre vie privée. Les informations personnelles collectées seront protégées conformément à la politique de confidentialité d'AltaLink et à la Loi sur la protection des renseignements personnels. Dans le cadre du processus réglementaire pour les nouveaux projets de transmission, AltaLink peut fournir vos informations personnelles à l'AUC. Pour plus d'informations sur la manière dont AltaLink protège vos informations personnelles, visitez notre site Web à l'adresse www.altalink.ca/privacy ou contactez-nous directement par e-mail à privacy@altalink.ca ou par téléphone au 1-877-267-6760.

Contactez-nous

Pour en savoir plus sur le projet proposé, veuillez contacter :

ALTALINK
1-877-267-1453 (appel gratuit)
E-mail: stakeholderrelations@altalink.ca

Pour vous abonner à ce projet:
visitez www.altalink.ca/projects,
recherchez le titre du projet, et cliquez sur 's'abonner aux mises à jour'

Pour plus d'informations sur la manière dont AltaLink protège vos informations personnelles: visitez notre site Web à l'adresse www.altalink.ca/privacy-legal ou contactez-nous directement par e-mail à privacy@ altalink.ca ou par téléphone au 1-877-267-6760.

Pour en savoir plus sur le projet proposé par Blue Bridge Solar Park G.P. Ltd., veuillez contacter:

Christian Pollard

Responsable du projet de développement, EDP
437-242-5466
christian.pollard@edp.com

Pour en savoir plus sur le système électrique de l'Alberta et le besoin pour le projet, veuillez contacter:

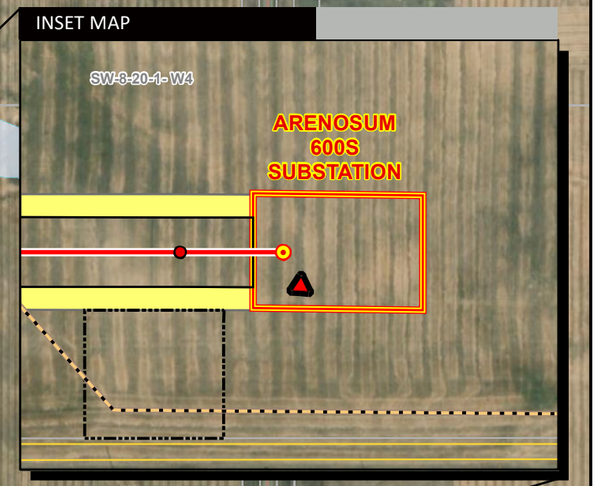
Opérateur du Système Électrique de l'Alberta
1-888-866-2959 (appel gratuit)
Email: stakeholder.relations@aeso.ca
Site Web: www.altalink.ca/projects

L'AESO est une organisation indépendante à but non lucratif responsable de la planification et de l'exploitation sécurisées, fiables et économiques du réseau de transmission provincial. Pour plus d'informations sur la raison pour laquelle ce projet est nécessaire, veuillez consulter l'Aperçu des besoins de l'AESO inclus dans ce dossier ou visitez www.aeso.ca. Si vous avez des questions ou des préoccupations concernant le besoin de ce projet ou le développement de la transmission proposé pour répondre à ce besoin, vous pouvez contacter directement l'AESO. Vous pouvez faire connaître vos questions ou préoccupations à un représentant du propriétaire de l'installation de transmission qui collectera vos informations personnelles dans le but de les transmettre à l'AESO pour répondre à vos questions et/ou préoccupations. Ce processus peut inclure la divulgation de vos informations personnelles à l'AESO.

NOTES

Additional temporary workspace of 10m is required on either side of the proposed 1002AL right-of-way. Temporary workspace locations of approximately 25 m x 40 m are required along 1002L right-of-way. Proposed laydown yards of approximately 60 m x 60 m may be required.

INSET MAP



NE-7-20-1- W4
NW-8-20-1- W4
NE-8-20-1- W4
945L / 1002L
South Saskatchewan River
SW-8-20-1- W4
SE-7-20-1- W4
SE-8-20-1- W4
ARENOSUM
600S
SUBSTATION
41
NE-6-20-1- W4
NW-5-20-1- W4
Access to 14-05-020-01W4
NE-5-20-1- W4
NW-4-20-1- W4
CYPRESS COUNTY

LEGEND

- Proposed New Structure
- Proposed New Customer Structure
- Proposed Telecommunication Tower / Tour de télécommunications
- Proposed 1002AL Transmission Line
- Proposed 1002L Transmission Line Realignment
- Existing Transmission Line
- 8m Right of Way Boundary
- 30m Right of Way Boundary
- Existing Right of Way Boundary
- Proposed Customer Substation
- Access Trail
- Laydown Yard
- Temporary Workspace
- Wellsite
- Municipal or County Boundary
- Pipeline
- Road
- Environmentally Significant Area
- Water Body

NO: 35034532 - 6103
DRAWN: SG - AL
FILE NO.: XXXXXXX
REVISION: 0.01.03
AL FOLDER: Arenosum Solar Connection
DATE: 2024-08-14

N

0 0.25 0.5 Kilometres

0 0.25 Miles

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.

DETAIL PHOTO **DP1**

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

PROPOSED

Arenosum Solar Connection Project

Electric and Magnetic Fields and Radio Frequency Information

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns very seriously. Everyone in our society is exposed to EMF from many sources, including:

- power lines and other electrical facilities
- electrical appliances in your home
- building wiring

National and international organizations such as Health Canada and the World Health Organization have been conducting and reviewing research about EMF for more than 40 years. Based on this research, these organizations have not recommended the general public take steps to limit their everyday exposure to EMF from high voltage transmission lines.

If you have any questions about EMF please contact us.

Website: www.altalink.ca/safety-and-preparedness/emf
Email: emfdialogue@altalink.ca
Toll-free phone number: 1-866-451-7817

Radio Frequency (RF)

Telecommunication towers use Radio Frequency (RF) signals to transmit and receive information. The point-to-point signals travel along a focused path at low power levels and are well below recommended safety limits. Licensed radio links on a telecommunications tower will not impact any other licensed telecommunication frequencies used by cellular phones, over-the-air television, satellite, radio, or GPS.

The telecommunication tower described in this notification will be installed and operated on an ongoing basis to be in compliance with Health Canada's Safety Code 6, which defines safe levels of RF exposure. To ensure the structural adequacy of the tower, the design and installation will follow industry standards and sound engineering practices.

For general information relating to telecommunications systems, please contact:

Innovation, Science and Economic Development Canada
1-800-267-9401 (toll free in Canada)
Website: www.ic.gc.ca/towers

Informations sur les champs électriques et magnétiques et les fréquences radio

Champs Électriques et Magnétiques (CEM)

AltaLink reconnaît que les gens ont des préoccupations concernant l'exposition aux Champs Électriques et Magnétiques (CEM) et nous prenons ces préoccupations très au sérieux. Tout le monde dans notre société est exposé aux CEM provenant de nombreuses sources, y compris:

- les lignes électriques et autres installations électriques
- les appareils électriques dans votre maison
- le câblage des bâtiments

Des organisations nationales et internationales telles que Santé Canada et l'Organisation mondiale de la santé mènent et examinent des recherches sur les CEM depuis plus de 40 ans. Sur la base de ces recherches, ces organisations n'ont pas recommandé au grand public de prendre des mesures pour limiter leur exposition quotidienne aux CEM provenant des lignes de transmission haute tension.

Si vous avez des questions sur les CEM, veuillez nous contacter.

Site web: www.altalink.ca/safety-and-preparedness/emf

E-mail: emfdialogue@altalink.ca

Numéro de téléphone gratuit: 1-866-451-7817

Fréquence Radio (FR)

Les tours de télécommunications utilisent des signaux de fréquence radio (FR) pour transmettre et recevoir des informations. Les signaux point à point voyagent le long d'un chemin focalisé à des niveaux de puissance faibles et sont bien en dessous des limites de sécurité recommandées.

Les liaisons radio sous licence sur une tour de télécommunications n'auront aucun impact sur les autres fréquences de télécommunication sous licence utilisées par les téléphones cellulaires, la télévision en direct, les satellites, la radio ou le GPS.

La tour de télécommunications décrite dans cette notification sera installée et exploitée de manière continue conformément au Code de sécurité 6 de Santé Canada, qui définit les niveaux sûrs d'exposition aux RF. Pour garantir l'adéquation structurelle de la tour, la conception et l'installation suivront les normes de l'industrie et les pratiques d'ingénierie solides.

Pour des informations générales relatives aux systèmes de télécommunications, veuillez contacter:

Innovation, Sciences et Développement économique Canada

1-800-267-9401 (numéro gratuit au Canada)

Site web: www.ic.gc.ca/towers

Need for the Blue Bridge Solar Park Connection in the McNeill area

Blue Bridge Solar Park Limited Partnership (Blue Bridge Solar) has applied to the AESO for transmission system access to connect its proposed Blue Bridge Solar Park (Facility) in the McNeill area. Blue Bridge 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 240 kV transmission line 1002L in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- In early 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 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:

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- 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 McNeill Area.
- Is responsible for detailed siting and routing, constructing, operating, and maintaining the transmission facilities.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

WHO IS THE AESO?

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

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

CONTACT US

Alberta Electric System Operator

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

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

www.aeso.ca | **@theaeso**

AUC
Alberta Utilities Commission

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

www.auc.ab.ca

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

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

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

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

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

Application review process

Application review process

Step 1: Public consultation prior to applying to the AUC

An applicant seeking approval of a proposed utility development project is required to engage in a participant involvement program prior to filing an application with the AUC. The public involvement program involves consultation with persons whose rights may be directly and adversely affected by the proposed project so that concerns may be raised, addressed and, if possible, resolved.

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

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

Step 2: Application filed to the AUC

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

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

Step 3: Public notice

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

Step 4: Public submissions to the AUC

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

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

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

AUC eFiling System

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

Step 5: Consultation and negotiation (if applicable)

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

Step 6: The public hearing process

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

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

Cost assistance

A person determined by the AUC to have standing or a local intervener can apply for reimbursement of reasonable costs. Those who hire a lawyer or technical experts must be aware that while reimbursement for the costs of legal and technical assistance is available under AUC Rule 009: *Rules on Local Intervener Costs*, recovery of costs is subject to the AUC's assessment of the value of the contribution provided by the lawyer and technical experts in assisting the AUC to understand the specifics of the case. It is also subject to the AUC's published scale of costs.

People with similar interests and positions are expected and encouraged to work together to ensure that expenditures for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision

The AUC's goal is to issue its written decision no more than 90 days after the close of record. The AUC can approve, or deny an application and can also make its approval conditional upon terms or conditions. AUC decisions are publicly available through the AUC website at www.auc.ab.ca.

Step 8: Opportunity to appeal

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

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

Step 9: Construction, operation and compliance

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

Updated March 2022

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

We are committed to ensuring that Albertans whose rights may be directly and adversely affected by a utility development project are informed of the application and have the opportunity to have their concerns heard, understood and considered.

AUC
Alberta Utilities Commission

Contact us

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

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

Attachment 4 – AESO Market Participant Notification Letter (January 22, 2025)

SENT VIA EMAIL

January 22, 2025

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 Blue Bridge Solar Park Connection

The Alberta Electric System Operator (AESO) would like to advise you that Blue Bridge Solar Park Limited Partnership (Blue Bridge Solar) has applied for transmission system access to connect its proposed Blue Bridge Solar Park (proposed Facility) to the Alberta interconnected electric system (AIES) in the AESO 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 proposed 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 proposed Facility. [1] The connection assessment identified the potential for voltage criteria violations at the 240 kV Bowmanton 244S substation following the connection of the proposed Facility, under credible worse case forecast conditions, with all transmission facilities in service (Category A).

Category A thermal criteria violations on the 138/144 kV transmission lines 7L171, 7L159, 7L16 and 240 kV transmission lines 924L and 927L were exacerbated following the connection of the proposed Facility. New Category A thermal criteria violations were observed following the connection of the proposed Facility on the 240 kV transmission line 9L59. 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 proposed Facility. To mitigate these potential system performance issues, existing remedial action schemes (RASs) 134, 164, 201, 202, 204, and modified planned RAS 232 will be used.

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

[1] The studies were performed assuming the Rate STS, *Supply Transmission Service*, contract capacity of 150 MW and a Rate DTS, *Demand Transmission Service*, contract capacity of 1 MW.

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

The engineering connection assessment will be included in the AESO's Blue Bridge Solar Park Connection needs identification document (NID) application. Following submission of the NID application to the Alberta Utilities Commission, 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: Blue Bridge Solar Park Connection

Need for the Blue Bridge Solar Park Connection in the McNeill area

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CONTACT US

Alberta Electric System Operator

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

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