1. Introduction

From February 2022 to October 2022, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing for the *Nova Solar Project Connection*. The AESO required the Market Participant, Nova Solar L.P.[1] (Nova) to assist the AESO in providing notification as part of the AESO's PIP. The AESO also directed the legal owner of transmission facilities (TFO), in this case AltaLink Management Ltd., 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 April 25, 2022.

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, including the AESO's intention to consider the project for approval under the Abbreviated Needs Approval Process.

A copy of the Need Overview was posted to the AESO website at https://www.aeso.ca/grid/transmission-projects/nova-solar-project-connection-2378/ and a notice was published in the AESO Stakeholder Newsletter on February 10, 2022. 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 Nova's and the TFO's project-specific information packages that were distributed to Stakeholders, as further described in Section 2.1 and 2.2.

[1] A System Service Access Request (SASR) was originally submitted to the AESO by Renewable Energy Systems Canada (RESC). The AESO received a SASR amendment on April 27, 2022 indicating that the ownership had transferred to Nova Solar L.P., making Nova Solar L.P. the new SASR applicant.

Alberta Electric System Operator
Calgary Place, 2500, 330-5th Avenue SW Calgary, AB T2P 0L4
Phone: 403-539-2450 | Fax: 403-539-2949
www.aeso.ca
@theaeso

2.1 Stakeholders and Indigenous Groups Notified in Nova's PIP

Nova has advised the AESO that its PIP for the proposed Nova Development included notification within 800 meters of the proposed transmission line as recommended by the Commission in Appendix A1 in AUC Rule 007.[2]

Nova notified a total of approximately 86 Stakeholders, of which 40 were classified as private or individual landowners. The other 44 notified Stakeholders and the 2 notified Indigenous groups are listed below:

- Aboriginal Consultation Office (ACO)
- NUTRIEN C/O AGRIUM INC.
- Alberta Agriculture and Forestry, Farmers Advocate Office
- Alberta Culture, Multiculturalism and Status of Women
- Alberta Environment
- Alberta Environment & Parks
- Alberta Southwest Regional Economic Development
- Alberta Transportation - Calgary District
- Alberta Utilities Commission (AUC)
- Alberta Wilderness Association
- AltaLink Management Ltd
- Amerada Petroleum Corporation
- ATCO
- Bell Pole Canada Inc.
- Buster Farm Ltd
- Canada Parks and Wilderness Society (CPAWS)
- Canadian Western Natural Gas Company
- CANADIAN PACIFIC LIMITED
- Cominco Ltd. Now Teck Resources Ltd
- Community of Carseland
- Conoco Philips Canada
- Consumers Co-operative Refineries Limited
- Cool Land and Cattle Co Ltd
- Ducks Unlimited Inc.
- Ember Resources Inc
- Environment Canada
- EQUS
- Fortis Alberta Inc.
- Harvest Operations Corp
- Independent Power Producers Society of Alberta (IPPSA)
- Kainai Blood Tribe
- Municipal District of Rocky View No.44
- Municipal District of Wheatland County
- NAV Canada - AIS Data Collection
- Ovintiv Canada ULC
- Province of Alberta MLA - Chestermere-Strathmore #56

[2] Nova 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.

- Richardson International Ltd
- Shaw Communications
- Siksika Nation
- Stewart and Stevenson Canada Inc
- TELUS Communications Inc.
- Transport Canada
- TransCanada Energy Ltd
- Viterra Canada Inc.
- Western Irrigation District
- Wildlife Habitat Canada

Attachment 3 includes Nova's project newsletter, which was included with the AESO Need Overview in Nova's project-specific information package that was distributed to the Stakeholders and Indigenous groups described above between February 3, 2022 and July 29, 2022. Nova's project newsletter and the AESO Need Overview were also posted on Nova's project-specific webpage at http://www.novasolarproject.com on January 25, 2022.

Nova's project newsletter included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview, and an invitation to contact Nova, the TFO or the AESO for additional information.

Attachment 4 includes Nova's project update newsletter, which was included with the AESO Need Overview in the updated Nova project-specific information package that was distributed to the Stakeholders described above on August 23, 2022.

2.2 Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP for the Proposed AltaLink Development included notification within 800 meters of the proposed telecommunications tower and 200 meters of the modification of the existing transmission lines 924L/927L as recommended by the Commission in Appendix A1 in AUC Rule 007.[3]

The TFO notified a total of approximately 30 Stakeholders, of which 13 were classified as private or individual landowners. The other 17 notified Stakeholders are listed below:

- Alberta Culture and Status of Women
- Alberta Environment and Parks
- Bell Pole Canada Inc
- Calgary Regional Planning Commission
- Canadian Pacific Limited
- Ember Resources
- FortisAlberta Inc.
- Innovation, Science and Economic Development Canada
- NAV Canada

[3] AltaLink has identified its facility application to be of the type: *Overhead transmission line and new substation development – rural or industrial setting; minor transmission line replacements within the original right-of-way – rural and industrial*, as categorized in AUC Rule 007, Appendix A1, Section 5.

- Ovintiv Canada ULC
- Persist Oil and Gas Inc
- Renewable Energy Systems Canada Inc
- Rocky View County
- Stewart & Stevenson Canada Inc
- Telus Communications
- Transport Canada
- Wheatland County

Attachment 5 includes the TFO's project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders described above between February 8, 2022 and April 22, 2022. 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/projects/view/382/nova-solar-power-connection on February 8, 2022. The TFO's project newsletter included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview, and an invitation to contact the TFO, Nova or the AESO for additional information.

Attachment 6 includes the TFO's project update letter, which was included with the AESO Need Overview in the updated TFO project-specific information package that was distributed to the Stakeholders described above on August 9, 2022.

3. Stakeholders Notified by the AESO

The AESO also notified two market participants that the AESO determined may have an interest in the Nova Solar Project Connection. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Nova Solar Project Connection. A Market Participant Notification Letter, which included the Need Overview, was sent to the notified market participants on August 25, 2022.

The two notified market participants are:

- Buffalo Plains Wind Farm Inc.
- Solar Krafte Utilities Inc

A generic version of the Market Participant Notification Letter was posted to the AESO website on August 25, 2022 at https://www.aeso.ca/grid/transmission-projects/nova-solar-project-connection-2378/ A copy has been included as Attachment 7.

4. Notification of ANAP Consideration

Most recently, the AESO notified Stakeholders of its intention to consider the need for the Nova Solar Project Connection to be approved under the AESO's Abbreviated Needs Approval Process, (ANAP) by posting a Notification of ANAP Consideration to the AESO website at https://www.aeso.ca/grid/transmission-projects/nova-solar-project-connection-2378/ and a publishing notice in the AESO Stakeholder Newsletter on October 11, 2022. Copies of the Notification of ANAP

Consideration posting and the AESO Stakeholder Newsletter notice have been included as Attachments 8 and 9, respectively.

5. Responding to Questions and Concerns

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

As directed by the AESO, Nova and the TFO were 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

Nova and the TFO have advised the AESO that none of the Stakeholders notified by Nova and 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 2022)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (February 10, 2022)
- Attachment 3 – Nova's Project Newsletter (January 2022)
- Attachment 4 – Nova's Project Newsletter Update (August 2022)
- Attachment 5 – TFO Project Newsletter – *Nova Solar Project Connection* (February 2022)
- Attachment 6 – TFO Project Update Letter – *Nova Solar Project Connection – Project Update* (August 2022)
- Attachment 7 – AESO Market Participant Notification Letter (August 25, 2022)
- Attachment 8 – AESO Public Notification of ANAP Consideration Posting (October, 2022)
- Attachment 9 – AESO Stakeholder Newsletter Notice of ANAP Consideration (October 11, 2022)

Attachment 1 – AESO Need Overview (February 2022)

Need for the Nova Solar Project Connection in the Carseland area

Renewable Energy Systems Canada Inc (RESC) has applied to the Alberta Electric System Operator (AESO) to connect its proposed Nova Solar Project (Facility) in the Carseland area. RESC's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kV transmission line to connect the Facility to the existing 240 kV transmission line 927L in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2022.
- The AESO's needs identification document (NID) application will be available on the AESO's website at **www.aeso.ca/grid/projects** at the time of its application to the AUC.

The following organizations have key roles and responsibilities in providing access to the transmission system:

THE AESO

- Must plan the transmission system and enable access to it for generators and other qualified customers.
- Is regulated by the AUC and must apply to the AUC for approval of its NID.

RESC

- Has requested transmission system access to connect the Facility.
- Is responsible for detailed siting and routing, and constructing the new 240 kV transmission line to connect the Facility.
- Must apply to the AUC for approval of its transmission facilities applications.

ALTALINK

- Is the transmission facility owner in the Carseland area.
- Is responsible for operating and maintaining the new 240 kV transmission line, and constructing, operating and maintaining the transmission facilities associated with the addition of the new 240 kV transmission line.
- 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 (February 10, 2022)

February 10, 2022

AESO Stakeholder Newsletter

GRID

Nova Solar Project Connection – Need for Transmission Development in the Carseland area

Renewable Energy Systems Canada Inc. (RESC) has applied to the Alberta Electric System Operator (AESO) to connect its proposed Nova Solar Project (Facility) in the Carseland area. RESC's request can be met by the following solution:

- Add one 240 kilovolt (kV) transmission line to connect the Facility to the existing 240 kV transmission line 927L in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

The AESO has posted a Need Overview for this project on its website. Please click here to view the document or visit the AESO website at www.aeso.ca and follow the path Grid > Projects > Nova Solar Project Connection

Attachment 3 – Nova's Project Newsletter (January 2022)

NOVA SOLAR POWER CONNECTION PROJECT

ABOUT THE PROJECT

Renewable Energy Systems Canada Inc. (RES) is applying for approval from the Alberta Utilities Commission (AUC) to develop, build and operate the Nova Solar Power Plant ("Nova"). Nova is a 150 MWac solar energy generation power plant located about 2 kilometers (km) southwest of Carseland in Wheatland County, Alberta. As part of the Nova Solar Power Plant, RES will need to construct approximately 6 km of new 240 kV transmission line to connect to the Alberta Interconnected Electric System (AIES), the provincial power grid.

RES applied to the Alberta Electric System Operator (AESO) for transmission system access to connect the Nova Solar Power Plant to the AIES. On November 8, 2021, RES received a request from the AESO to assist the AESO in the Participant Involvement Program to satisfy the requirements of AUC Rule 007. To answer questions you may have regarding the need for the proposed connection project please see the enclosed AESO Need Overview.

The proposed connection project involves constructing approximately 6 km of new overhead 240 kV transmission line located near the town of Carseland in Wheatland County. The new overhead 240 kV transmission line, to be designated as 927AL, will connect the RES Nova 1005S Substation located on NW 3-22-26-W4M to the existing AltaLink Management Ltd (AltaLink) 927L 240 kV Transmission Line in a T-tap configuration.

AltaLink will be engaging stakeholders regarding their portion of the proposed project and will submit a separate facility application to the AUC.

Included in this information package

- Project newsletter
- Project Map
- AUC Brochure: Public Involvement in a Proposed Utility Development
- AESO Need Overview

For more information, please visit: www.novasolarproject.com

ROUTING SELECTION AND DETAILS

Several factors are taken into account in an effort to site a transmission line route with the least overall impact.

Some of the factors considered include:

- existing land use
- environmental and agriculture impacts
- existing and proposed infrastructure
- proximity to residences
- economic viability

Two preliminary routes have been identified for engagement through the initial siting process for this project, as shown on the enclosed map. While two preliminary routes have been identified, only one will be constructed. The proposed transmission line routing alignment follows developed county road allowances and quarter lines.

The proposed transmission line will:

- consist of wood or steel single pole structures
- potentially require guy anchors (within the right-of-way) on corner structures and deflections
- be single circuit
- be 20 m to 40 m tall
- be within a road allowance or right-of-way that measures approximately 12.5 m to 25 m

Once the new transmission line is in-service, AltaLink, will assume the ownership, operation and maintenance of the transmission line.

PUBLIC CONSULTATION

As the proposed connection project advances through the development process, we are committed to working with all landowners and stakeholders to establish and maintain a strong relationship between RES and the community. We strive to exceed the minimum requirements on all our projects, and we commit to responding and acting on all comments and concerns in a timely manner. All personal engagement with stakeholders will be conducted following the current Government guidelines in relation to COVID-19.

We will advise stakeholders prior to submitting an application to the AUC for approval, which we anticipate could be as early as Q2 2022.

Proposed transmission line structures will look similar to the above photograph.

The Transmission Facility Owner, AltaLink, defines Transmission as follows:

Transmission lines make up Alberta's electric highway, linking the places where power is generated to your community where power is used. Transmission lines transport large amounts of power from power plants across the province.

PROPOSED SCHEDULE

Public consultation initiated	January 2022
Personal one-on-one consultations	February - April 2022
Environmental surveys completed	Spring 2022
Alberta Utilities Commission (AUC) submission	Q2 2022
Anticipated AUC approval	Q3 2022
Municipal Development Permit submission and approval	October - November 2022
Start construction if project is approved	Q4 2022
Target in-service date	Q2 / Q3 2022

** Timeline is subject to change*

***RES will continue to engage stakeholders until the in-service date.*

ABOUT RES

RES, the largest independent renewable energy company in the world, is a family-owned business, owned by the McAlpine Family Trust, and has been in the renewable energy business since 1982. Through our corporate culture and values, we are dedicated to a zero-carbon future for all Canadians and our focus is solely on renewable energy projects (wind, solar) and enabling and supporting projects (energy storage, transmission). RES has been developing, constructing, owning and/or operating renewable energy, transmission, and energy storage projects in Canada since 2003. RES has developed and/or built 28 projects across Canada.

res
power for good

Please visit: http://www.res-group.com for more information.

NOVA SOLAR POWER CONNECTION PROJECT

Renewable Energy Systems Canada Inc.
Mailing Addresss: 5605 Avenue de Gaspé, suite 508, Montreal QC H2T2A4
Email: nova.solar@res-group.com

Andrea Cosman
Development Manager
Phone: 514 607 9055
Email: andrea.cosman@res-group.com

Georgie Fisher - Hardline Engineering
Stakeholder Engagement Advisor
Phone: 403 689 9936
Email: gfisher@hardlineeng.com

RES IN YOUR COMMUNITY

RES is an active player in the community and supports various fundraising events and special initiatives that bring local benefit.

If you have any ideas on how we can take an active role in the community, please contact us.

ABOUT THE AESO

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 Renewable Energy Systems Canada 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.

ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

Phone: 1-888-866-2959, Email: stakeholder.relations@aeso.ca, Website: www.aeso.ca

ABOUT THE AUC

The Alberta Utilities Commission (AUC) is a quasi-judicial independent agency established by the Government of Alberta, responsible to ensure that the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public interest.

They regulate investor-owned natural gas, electric and water utilities, and certain municipally owned electric utilities to protect social, economic and environmental interests of Alberta where competitive market forces do not.

For more information about the regulatory process, please contact:

ALBERTA UTILITIES COMMISSION

Phone: 780-427-4903, Email: consumer-relations@auc.ab.ca, Website: auc.ab.ca

For more information about the proposed AltaLink portion of the project, please contact:

ALTALINK MANAGEMENT LTD

Phone: 1-877-267-1453, E-mail: stakeholderrelations@altalink.ca, Website: altalink.ca/projects

Attachment 4 – Nova's Project Newsletter Update – *Nova Solar Power Connection Project Update* (August 2022)

NOVA SOLAR POWER CONNECTION PROJECT UPDATE

PROJECT UPDATE

In February 2022, Renewable Energy Systems Canada Inc (RES) began the engagement process for a new overhead 240 kV transmission line located about 2 kilometers (km) southwest of Carseland in Wheatland County, Alberta. The new overhead 240kV transmission line, to be designated as 927AL, will connect the RES Nova 1005S Substation located on NW 3-22-26-W4M to the existing AltaLink Management Ltd (AltaLink) 927L 240 kV Transmission Line in a T-tap configuration. AltaLink will be engaging stakeholders regarding their portion of the proposed project and will submit a separate facility application to the Alberta Utility Commission (AUC).

PROJECT OVERVIEW

RES is applying to the AUC to develop, build and operate the Nova Solar Power Plant ('Nova'). Nova is a 150 MWac solar energy generation power plant. As part of the Nova Solar Power Plant, RES will need to construct approximately 8 km of new overhead 240 kV transmission line to connect to the Alberta Interconnected Electric System (AIES), the provincial power grid.

RES applied to the Alberta Electric System Operator (AESO) for transmission system access to connect the Nova Solar Power Plant to the AIES. On November 8, 2021, RES received a request from the AESO to assist the AESO in the Participant Involvement Program to satisfy the requirements of AUC Rule 007. To answer questions you may have regarding the need for the proposed connection project, please see the enclosed AESO Need Overview.

Included in this information package

- Project newsletter
- Project Map
- AUC Brochure: Public Involvement in a Proposed Utility Development
- AESO Need Overview

ROUTING SELECTION AND DETAILS

Several factors are taken into account in an effort to site a transmission line route with the least overall impact.

Some of the factors considered include:

- existing land use
- environmental and agriculture impacts
- existing and proposed infrastructure
- proximity to residences
- economic viability
- stakeholder input

Several preliminary routes were identified and consulted on in the project area. Through consultation with stakeholders, RES has identified a preferred route and an alternate route. The proposed routes have increased in length due to the proposed Nova substation location being moved as part of the Nova Solar Power Plant Project. These routes are shown on the maps included in this package and will be filed with the AUC.

Overall the preferred route has the highest stakeholder support, the lowest residential impact, and falls within the Goldfinch Industrial Area Structure Plan.

Overall the alternate route has the highest residential impact, minimal stakeholder support and has a higher environmental impact.

The proposed transmission line will:

- consist of wood or steel single pole structures and h-frame structures
- potentially require guy anchors (within the right-of-way) on corner structures and deflections
- be single circuit
- be 20 m to 40 m tall
- be within a road allowance or right-of-way that measures approximately 10 m to 35 m
- have a span of approximately 90 m to 200 m

Once the new transmission line is in-service, AltaLink will assume the ownership, operation and maintenance of the transmission line.

PUBLIC CONSULTATION

As the proposed connection project advances through the development process, we are committed to working with all landowners and stakeholders to establish and maintain a strong relationship between RES and the community. We strive to exceed the minimum requirements on all our projects, and we commit to responding and acting on all comments and concerns in a timely manner.

A RES representative will be in contact soon to make sure you have received this package and to set up a time to meet in person to answer any questions you may have. RES will advise stakeholders prior to submitting an application to the AUC for approval, which we anticipate could be as early as Q4 2022.

PROPOSED SCHEDULE

Public consultation initiated	February 2022
Personal one-on-one consultations	February - September 2022
Environmental surveys completed	Spring 2022
Alberta Utilities Commission (AUC) submission	Q4 2022
Anticipated AUC approval	Q1 2023
Municipal Development Permit submission and approval	January- February 2023
Start construction if project is approved	Q1 2023
Target in-service date	Q4 2023

** Timeline is subject to change*

***RES will continue to engage stakeholders until the in-service date.*

ABOUT RES

RES, the largest independent renewable energy company in the world, is a family-owned business, owned by the McAlpine Family Trust, and has been in the renewable energy business since 1982. Through our corporate culture and values, we are dedicated to a zero-carbon future for all Canadians and our focus is solely on renewable energy projects (wind, solar) and enabling and supporting projects (energy storage, transmission). RES has been developing, constructing, owning and/or operating renewable energy, transmission, and energy storage projects in Canada since 2003. RES has developed and/or built 28 projects across Canada.

res
power for good

Please visit: http://www.res-group.com for more information.

NOVA SOLAR POWER CONNECTION PROJECT

Renewable Energy Systems Canada Inc.
Mailing Addresss: 5605 Avenue de Gaspé, suite 508, Montreal QC H2T2A4
Email: nova.solar@res-group.com

Andrea Cosman
Development Manager
Phone: 514 607 9055
Email: andrea.cosman@res-group.com

Georgie Fisher - Hardline Engineering
Stakeholder Engagement Advisor
Phone: 403 689 9936
Email: gfisher@hardlineeng.com

RES IN YOUR COMMUNITY

RES is an active player in the community and supports various fundraising events and special initiatives that bring local benefit.

If you have any ideas on how we can take an active role in the community, please contact us.

ABOUT THE AESO

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 Renewable Energy Systems Canada 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.

ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)

Phone: 1-888-866-2959, Email: stakeholder.relations@aeso.ca, Website: www.aeso.ca

ABOUT THE AUC

The Alberta Utilities Commission (AUC) is a quasi-judicial independent agency established by the Government of Alberta, responsible to ensure that the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public interest.

They regulate investor-owned natural gas, electric and water utilities, and certain municipally owned electric utilities to protect social, economic and environmental interests of Alberta where competitive market forces do not.

For more information about the regulatory process, please contact:

ALBERTA UTILITIES COMMISSION

Phone: 780-427-4903, Email: consumer-relations@auc.ab.ca, Website: auc.ab.ca

For more information about the proposed AltaLink portion of the project, please contact:

ALTALINK MANAGEMENT LTD

Phone: 1-877-267-1453, E-mail: stakeholderrelations@altalink.ca, Website: altalink.ca/projects

Attachment 5 – TFO Project Newsletter – *Nova Solar Power Connection* (February 2022)

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

February 2022

Electric system improvements near you

Nova Solar Power Connection

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.

You are receiving this newsletter because you are near the Nova Solar Power Connection and we want your input.

To connect the Renewable Energy System Canada (RES) Nova Solar Power Project to the grid, AltaLink is proposing changes to its transmission system in the area.

Although AltaLink's project is required to facilitate the connection of RES's project, it is a separate project. RES will consult separately on their proposed **transmission line** and **substation**. For more information about RES, see their contact information on the back of this newsletter.

We are providing you with:

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

DEFINITION

Transmission

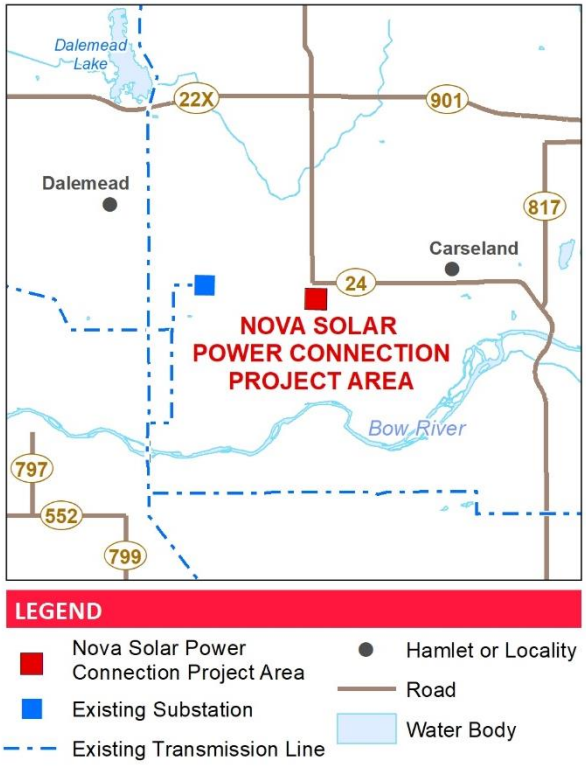
Transmission lines make up Alberta's electric highway, linking the places where power is generated to where power is used. Transmission lines transport large amounts of power over long distances across the province. The transmission system connects diverse sources of power generation including wind,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

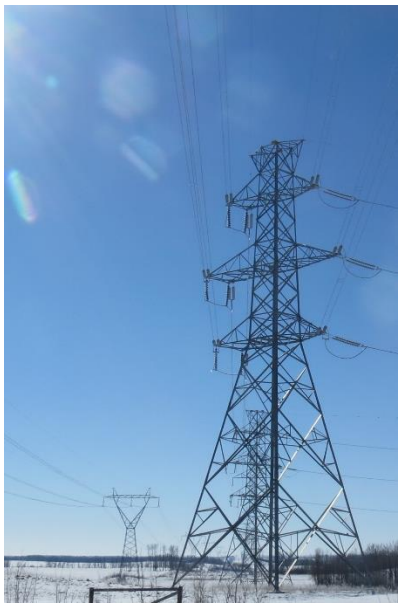
Substation

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.

CONTACT US

1-877-267-1453
stakeholderrelations@altalink.ca
www.altalink.ca/projects





The existing structures on the 924L/927L transmission line look similar to the photo on the right.

The new telecommunications tower will look similar to the photo on the left.

Project details

RES is constructing a new substation and transmission line as part of their new solar power facility located in Wheatland County, approximately four kilometres southwest of Carseland.

RES is considering two connection points for their transmission line. To connect RES's new solar power facility to the grid, AltaLink is proposing to modify the existing 924L/927L transmission line at one of two potential locations, depending on the final connection point.

The final modifications will be determined after additional engineering has been completed, but may include replacing or modifying an existing structure or adding a new structure to the transmission line. If a new structure is needed, it will be a steel lattice structure, similar to the existing structures and with a similar height.

The location of the proposed structure work is shown on the Detail Photo Map (DP1) included in this package.

Along with the proposed structure work, AltaLink is proposing to install a new **telecommunications tower** to maintain the safety and reliability of the electric system in the area. The proposed telecommunications tower will:

- be located within RES's new substation in NW-3-22-26 W4M
- be approximately 20 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 Detail Photo Map (DP2) included in this package.

Definition:

Telecommunications Tower

Telecommunications towers transmit data to our system and control centre allowing us to monitor the operation of the electric system and ensure the safety and reliability of the system for our customers.

Electric and Magnetic Fields (EMF)

AltaLink recognizes that people may have concerns about exposure to EMF and we take those concerns seriously.

Everyone in our society is exposed to power frequency 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 (WHO) have been conducting and reviewing research on exposure to EMF for more than 40 years. Based on this research, these agencies have not recommended that the general public needs to take steps to limit their everyday exposure to EMF from high voltage transmission lines, including individuals that are located on the edge of a power line right-of-way.

If you have any questions about EMF please contact us.
Website: www.altalink.ca/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

Providing your input

At this time we are limiting in-person meetings and will be conducting the majority of meetings via telephone or electronic methods. If you'd like to provide input, you can also do so through our online feedback portal: www.altalink.ca/projectfeedback. As the situation regarding COVID-19 changes we will re-assess this approach. We will update you as the situation evolves. Our focus is ensuring the lights stay on, and that you have the electricity you need. Please refer to the *Working with you through COVID-19* brochure for more information about our commitment to keeping the lights on during COVID-19.

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.*

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

Anticipated project schedule

Notify and consult with stakeholders	February/March 2022
File application with Alberta Utilities Commission (AUC)	June 2022
Start construction if project is approved	Fall 2022
Construction completed	Spring 2023

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

Website: www.altalink.ca/projects

To learn more about the RES project, please contact:

Andrea Cosman, Development Manager

E-mail: andrea.cosman@res-group.com Phone: 1-438-266-1890

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

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.

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

OUR COMMITMENT TO SUSTAINABILITY

If the Alberta Utilities Commission (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 local 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 Alberta Utilities Commission (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.

INCLUDED IN THIS INFORMATION PACKAGE:

- Project map
- COVID-19 Letter
- AESO Need Overview
- AUC brochure: *Participating in the AUC's independent review process*

SUBSCRIBE TO THIS PROJECT

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

LET'S TALK TRANSMISSION

www.twitter.com/altalink

www.facebook.com/altalinktransmission

Attachment 6 – TFO Project Update Letter (August 2022)

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY
2611 3rd AVE SE, CALGARY, ALBERTA, T2A 7W7
WWW.ALTALINK.CA

August 5, 2022

Nova Solar Power Connection – Project update

Thank you for your ongoing participation in the proposed Nova Solar Power Connection. We began consulting with stakeholders on this proposed project in February 2022 and want to provide you with an update. As a potentially impacted stakeholder, we would like to get your feedback.

Project background
Renewable Energy System Canada (RES) is constructing a new substation and transmission line as part of their new solar power facility located in Wheatland County, approximately four kilometres southwest of Carseland. To connect their facility to the transmission system, AltaLink's project includes:

- modifying an existing structure on the existing 924L/927L transmission line to connect RES's proposed new transmission line
- constructing a new telecommunications tower within RES's proposed new substation

Modifying an existing structure
RES has determined the location where they are connecting to AltaLink's existing 924L/927L transmission line. As a result, AltaLink needs to modify one existing structure located south of Township Road 220, in the north half of section 36-21-27 W4M. AltaLink will require approximately 25 m x 10 m of construction workspace adjacent to the existing structure.

Telecommunications tower location update
RES has moved its proposed substation location approximately 700 metres to the north. As a result, AltaLink's proposed telecommunications tower has also moved.

The location of AltaLink's structure modification, construction workspace, and telecommunications tower can be seen on the detail photo maps (DP1 and DP2) included in this package.

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 incompliance 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

Next steps
We will contact landowners, residents, and occupants affected by the proposed changes to gather input and address questions or concerns. If you are not near the new project location, you will no longer receive information from us about this project.

After the consultation process is complete, we will file our application with the Alberta Utilities Commission (AUC) in October. We will notify you of the AUC's decision regarding the project. If approved, construction will start in the spring of 2023 and be completed in late 2023.

Contact us
We are available to address any questions or concerns you may have. Please contact us at stakeholderrelations@altalink.ca or 1-877-267-1453. You can find more information about the project on our website at www.altalink.ca/projects.

To learn more about the RES project, please contact Andrea Cosman at andrea.cosman@res-group.com or 1-438-266-1890.

Sincerely,

Kris Gladue
Manager, Stakeholder Engagement

Attachment 7 – AESO Market Participant Notification Letter (August 25, 2022)

SENT VIA EMAIL

August 25, 2022

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

Dear **Notified Market Participant Primary Contact:**

Re: **Nova Solar Project Connection**

The Alberta Electric System Operator (AESO) would like to advise you that Renewable Energy Systems Canada Inc. (RESC) has applied for transmission system access to connect its proposed Nova Solar Project (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 planned Facility.[1]

Connection Assessment Findings

An engineering connection assessment was carried out by the AESO to assess the transmission system performance following the connection of the planned Facility. The connection assessment identified the potential for thermal criteria violations following the connection of the planned Facility, under credible worse case forecast conditions, with all transmission facilities in service (Category A). Specifically, pre-contingency generation curtailment under the Category A condition may be required using real-time operational practices to prevent generation curtailment above the Most Severe Single Contingency (MSSC) limit during Category B conditions.

In addition, thermal criteria violations were also identified when a single transmission facility is out of service (Category B) following the connection of the planned Facility. To mitigate these potential system performance issues, a new remedial action scheme (RAS), referred to as RAS 175, will be required to connect the planned Facility, which curtails the planned Facility upon activation.

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.

For Further Information

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

Alberta Electric System Operator
Calgary Place, 2500, 330-5th Avenue SW Calgary, AB T2P 0L4
Phone: 403-539-2450 | Fax: 403-539-2949
www.aeso.ca
@theaeso

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

To support the AESO's consideration of the Need for the Nova Solar Project Connection under the Abbreviated Needs Approval Process, the engineering connection assessment will be posted on the AESO website at: https://www.aeso.ca/grid/projects/. Stakeholders will be notified when this occurs via the AESO website and in the AESO stakeholder newsletter.

If you have any questions or concerns, please contact the AESO at 1-888-866-2959 or stakeholder.relations@aeso.ca

Attachments:
AESO Need Overview: *Need for the Nova Solar Project Connection in the Carseland area*

Need for the Nova Solar Project Connection in the Carseland area

Renewable Energy Systems Canada Inc (RESC) has applied to the Alberta Electric System Operator (AESO) to connect its proposed Nova Solar Project (Facility) in the Carseland area. RESC's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kV transmission line to connect the Facility to the existing 240 kV transmission line 927L in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2022.
- The AESO's needs identification document (NID) application will be available on the AESO's website at **www.aeso.ca/grid/projects** at the time of its application to the AUC.

The following organizations have key roles and responsibilities in providing access to the transmission system:

THE AESO

- Must plan the transmission system and enable access to it for generators and other qualified customers.
- Is regulated by the AUC and must apply to the AUC for approval of its NID.

RESC

- Has requested transmission system access to connect the Facility.
- Is responsible for detailed siting and routing, and constructing the new 240 kV transmission line to connect the Facility.
- Must apply to the AUC for approval of its transmission facilities applications.

ALTALINK

- Is the transmission facility owner in the Carseland area.
- Is responsible for operating and maintaining the new 240 kV transmission line, and constructing, operating and maintaining the transmission facilities associated with the addition of the new 240 kV transmission line.
- 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 8 – AESO Public Notification of ANAP Consideration Posting (October 2022)

Nova Solar Project Connection (2378)

Abbreviated Needs Approval Process: Notice of Consideration

The AESO intends to consider the need for the Nova Solar Project Connection (Project) for approval under Section 501.3 of the ISO rules, *Abbreviated Needs Approval Process*, (ANAP Rule) on or after October 26, 2022. If stakeholders have any questions or concerns, please contact the AESO before this date.

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

- Project costs are estimated to be less than $25M and were classified as participant-related in accordance with the ISO tariff;
- the AESO has completed a participant involvement program (PIP) in accordance with the guidelines in Alberta Utilities Commission Rule 007;
- the Project is not anticipated to result in significant environmental effects; and
- No concerns or objections with the need for the Project have been raised. Prior to making its approval decision, the AESO will address additional stakeholder concerns that arise, if any.

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

- Engineering Connection Assessment
- Cost Estimates
- AESO PIP Summary

Attachment 9 - AESO Stakeholder Newsletter Notice of ANAP Consideration (October 11, 2022)

October 11, 2022

AESO Stakeholder Newsletter

GRID

Nova Solar Project Connection - Abbreviated Needs Approval Process Notice of Consideration

The AESO intends to consider the need for the Nova Solar Project Connection for approval under Section 501.3 of the ISO rules, Abbreviated Needs Approval Process, (ANAP Rule) on or after October 26, 2022. If stakeholders have any questions or concerns, please contact the AESO before this date.

Nova Solar L.P. (Nova) has applied to the AESO for transmission system access to connect its approved Nova Solar Project (Facility) in the Carseland area. Nova's request can be met by the following solution:

- Add one 240 kilovolt (kV) transmission line to connect the Facility to the existing 240 kV transmission line 927L in a T-tap configuration.
- Add or modify associated equipment as required for the above transmission developments.

More information is available on the AESO website. Please click here to view the project page or visit the AESO website at www.aeso.ca and follow the path Grid > Transmission Projects > Nova Solar Project Connection (2378) to see relevant supporting documents.