

## 1. Introduction

From December 2021 to April 2022, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing for the *Hilda Wind Power Project Connection*. The AESO required the Market Participant, Hilda Wind L.P. (Hilda Wind) 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 September 1, 2021.

## 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/projects/hilda-wind-power-project-connection-2254/> and a notice was published in the AESO Stakeholder Newsletter on December 9, 2021. 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 Hilda Wind's and the TFO's project-specific information packages that were distributed to Stakeholders, as further described in Section 2.1 and 2.2.

### 2.1 Stakeholders Notified in Hilda Wind's PIP

Hilda Wind has advised the AESO that its PIP for the Proposed Hilda Wind Development included notification within 800 meters of the proposed transmission line as recommended by the Commission in Appendix A1 in AUC Rule 007.<sup>1</sup>

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<sup>1</sup> Hilda Wind 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.

Hilda Wind notified a total of approximately 16 Stakeholders, of which 5 were classified as private or individual landowners. The other 11 notified Stakeholders are listed below:

- Alberta Environment and Parks
- AltaLink
- Campus Energy Partners Operations Inc.
- Canadian Natural Resources Limited
- Canlin Energy Corporation
- Cypress County
- FortisAlberta Inc.
- Glenridge Wind GP Inc.
- Hilda Water Pipeline Co-op Ltd.
- Ministry of Culture, Multiculturalism and Status of Women
- Nova Gas Transmission Ltd.

Attachment 3 includes Hilda Wind's project newsletter, which was included with the AESO Need Overview in Hilda Wind's project-specific information package that was distributed to the Stakeholders described above on December 6, 2021 and January 18, 2022. Hilda Wind's project newsletter and the AESO Need Overview were also posted on Hilda Wind's project-specific webpage at <http://www.Hilda-Wind.com> on February 1, 2022.

Hilda Wind'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 Hilda Wind, the TFO or the AESO for additional information.

## 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, 200 meters of the modification of the existing transmission line 658L and Chappice Lake substation modification and 100 meters of the proposed fibre optic line as recommended by the Commission in Appendix A1 in AUC Rule 007.<sup>2</sup>

The TFO notified a total of approximately 23 Stakeholders, of which 7 were classified as private or individual landowners. The other 16 notified Stakeholders are listed below:

- Alberta Culture and Status of Women
- Alberta Environment and Parks – Resource Management Program
- Alberta Environment and Parks – Regional Approvals
- Alberta Transportation
- Campus Energy Partners
- Canadian Natural Resources Limited
- Canlin Energy Corporation
- Cypress County

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<sup>2</sup> AltaLink has identified its facility application to be of the type: *Substation development within existing facilities where there is a change in the substation fenceline or which create visual impact – rural or industrial; Substation development within existing facilities, where there is no change in the substation fenceline, and which create minimal visual or noise impact – rural and industrial; Minor transmission line replacements within the original right-of-way – rural and industrial; and Installation of fibre optic facilities where a direct and adverse effect may occur*, as categorized in AUC Rule 007, Appendix A1, Section 5.

- FortisAlberta Inc.
- Glenridge Wind GP Inc.
- Hilda Water Pipeline Co-op Ltd.
- Innovation, Science and Economic Development Canada
- NAV Canada
- NOVA Gas Transmission Ltd.
- Questfire Energy Corp.
- Transport Canada

Attachment 4 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 December 8, 2021 and January 27, 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/378/hilda-wind-power-project-connection> on December 8, 2021. 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, Hilda Wind or the AESO for additional information.

### 3. Stakeholders Notified by the AESO

The AESO also notified 6 market participants that the AESO determined may have an interest in the Hilda Wind Power Project Connection. The AESO identified that, under certain potential system conditions, these market participants may be affected following the connection of the Hilda Wind Power Project Connection. A Market Participant Notification Letter, which included the Need Overview, was sent to the notified market participants on March 15, 2022.

The six notified market participants are as follows:

- BHE Canada Rattlesnake L.P.
- Conrad Solar Inc.
- Enbridge Inc.
- Enmax Energy Corporation
- Signalta Resources Limited
- Yellow Lake & Burdett Solar L.P.

A generic version of the Market Participant Notification Letter was posted to the AESO website on March 16, 2022 at <https://www.aeso.ca/grid/projects/hilda-wind-power-project-connection-2254/>. A copy has been included as Attachment 5.

### 4. Notification of ANAP Consideration

Most recently, the AESO notified Stakeholders of its intention to consider the need for the Hilda Wind Power 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/projects/hilda-wind-power-project-connection-2254/> and a publishing notice in the AESO Stakeholder Newsletter on April 5, 2022. Copies of the Notification of ANAP Consideration

posting and the AESO Stakeholder Newsletter notice have been included as Attachments 6 and 7, respectively.

## 5. Responding to Questions and Concerns

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

As directed by the AESO, Hilda Wind 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

One Stakeholder that received the AESO's Market Participant Notification Letter raised questions and concerns related to how its operations may be affected following the connection of the Hilda Wind Power Project Connection. The AESO responded to the Stakeholder by providing information about the following:

- how the Stakeholder's operations might be affected following the connection of the Hilda Wind Power Project Connection;
- how remedial action schemes (RAS's) and the *Real Time Transmission Constraint Management* (TCM) Rule apply to the Stakeholder's operations;
- the rationale for the AESO's market participant notification letter;
- the AESO's approach to planning the Alberta interconnected electric system (AIES); and
- the timing and content of the AESO's forthcoming Notice of ANAP consideration posting.

The AESO also encouraged the Stakeholder review the Notice of ANAP consideration and to contact the AESO directly with any outstanding questions or concerns.

Hilda Wind and the TFO have advised the AESO that none of the Stakeholders notified by Hilda Wind 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.

Apart from the inquiry above from the one Stakeholder, 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 (December 2021)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (December 9, 2021)
- Attachment 3 – Hilda Wind’s Project Newsletter (December 2021)
- Attachment 4 – TFO Project Newsletter – *Hilda Wind Power Project Connection* (December 2021)
- Attachment 5 – AESO Market Participant Notification Letter (March 15, 2022)
- Attachment 6 – AESO Public Notification of ANAP Consideration Posting (April, 2022)
- Attachment 7 – AESO Stakeholder Newsletter Notice of ANAP Consideration (April 5, 2022)

**Attachment 1 – AESO Need Overview (December 2021)**

# Need for the Hilda Wind Power Project Connection in the Cypress County area

*Renewable Energy Systems Canada Inc., (RESO) has applied to the AESO for transmission system access to connect its approved Hilda Wind Power Project (Facility) in the Cypress County area. RESO's request can be met by the following solution:*

## PROPOSED SOLUTION

- Add one 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 658L 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](http://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.

## RESO

- Has requested transmission system access to connect the Facility.
- Is responsible for detailed siting and routing, and constructing the new 138 kV transmission line to connect the Facility to the transmission line 658L.
- Must apply to the AUC for approval of its transmission facilities applications.

## ALTALINK

- Is the transmission facility owner in the Hilda area.
- Is responsible for operating and maintaining the new 138 kV transmission line, and constructing, operating and maintaining the transmission facilities associated with the transmission line 658L modification.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

## WHO IS THE AESO?

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

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

## CONTACT US

### Alberta Electric System Operator

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

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

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

**Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (December 9, 2021)**

December 9, 2021

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# AESO Stakeholder Newsletter

## GRID

### **Hilda Wind Power Project Connection – Need for the Hilda Wind Power Project Connection in the Cypress County area**

Renewable Energy Systems Canada Inc. (RESC) has applied to the AESO for transmission system access to connect its approved Hilda Wind Power Project (Facility) in the Cypress County area. RESC's request can be met by the following solution:

- Add one 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 658L 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](http://www.aeso.ca) and follow the path Grid > Projects > Hilda Wind Power Project Connection

**Attachment 3 – Hilda Wind’s Project Newsletter (December 2021)**



December 6, 2021

**RE: Notification of a Proposed Transmission Line Connection Project to connect the Hilda Wind Power Plant and Substation**

Dear Stakeholder,

Earlier this year we engaged with you to discuss the proposed 100MW Hilda Wind Power Project and Substation, which received its approvals from the Alberta Utilities Commission on August 31, 2021. Once again we thank you for your time and for engaging with us on this important renewable energy project for the Hilda community.

We are now reaching out to **notify you of the proposed plans to connect the Hilda Wind Power Project to AltaLink's 658L by way of a short, 138kV transmission line**. Per AUC and AESO regulations this short transmission line requires a separate approval from the AUC and as such requires a separate consultation process with stakeholders within 800m of the proposed line. You are receiving this project information package as you a landowner or an interest holder within this 800m radius and we would like to hear your feedback on this proposed transmission line project.

We have chosen the AESO's Market Participant Choice (MPC) option to undertake the majority of the interconnection work, including the facility design and construction of the transmission line between the Hilda Wind Power Project substation and AltaLink's 658L line. AltaLink will be responsible for the connection project at their existing 658L, and as such will be consulting you separately on their scope of work.

This information package includes the following:

- Details about the transmission line project
- Map of the proposed transmission line project and cross-section drawings
- Alberta Electric System Operator (AESO) Need Overview
- Alberta Utilities Commission (AUC) public involvement brochure: *Participating in the AUC's independent review process*.

At RES Consultation is an ongoing process and we welcome your feedback on this transmission line project and the Hilda Wind Power Project as a whole. We work to incorporate as much local knowledge and input into the Project as possible. For more information please visit the Project website [www.Hilda-Wind.com](http://www.Hilda-Wind.com) . We will keep updating the website regularly so keep checking back for new content and Project updates.

**About the Proponent**

Renewable Energy Systems Canada Inc. is part of the Renewable Energy Systems (RES) group, the world's largest independent renewable energy company. We are family owned and operated. RES has been developing, constructing and operating renewable energy projects for 38 years and has a 19-Gigawatt (GW) Project portfolio. Please visit [www.resgroup.com](http://www.resgroup.com) to learn more about our company and values.



## **Contact us**

*For any questions or concerns relating to the Project, substation or transmission line projects:*

### **Renewable Energy Systems Canada Inc.**

Patrick Henn, Senior Development Manager

T: 514-293-9049

E: [patrick.henn@res-group.com](mailto:patrick.henn@res-group.com)

*For any questions or concerns relating to AltaLink's interconnection work:*

### **AltaLink**

T: 1-877-269-5903 (toll free)

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

*For any questions or to learn more about AESO and the need for the Project:*

### **Alberta Electric System Operator (AESO)**

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

E: [stakeholder.relations@aeso.ca](mailto: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](http://www.aeso.ca).

If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need you may contact the AESO directly. You can make your questions or concerns known to a RES 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, you can contact:*

### **Alberta Utilities Commission (AUC)**

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

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

All the best,

A handwritten signature in black ink, appearing to read 'Patrick Henn', with a stylized flourish at the end.

**Patrick Henn**

Senior Development Manager

RES Canada

Encl.:

Transmission line project details, drawings and map

AESO NID Overview

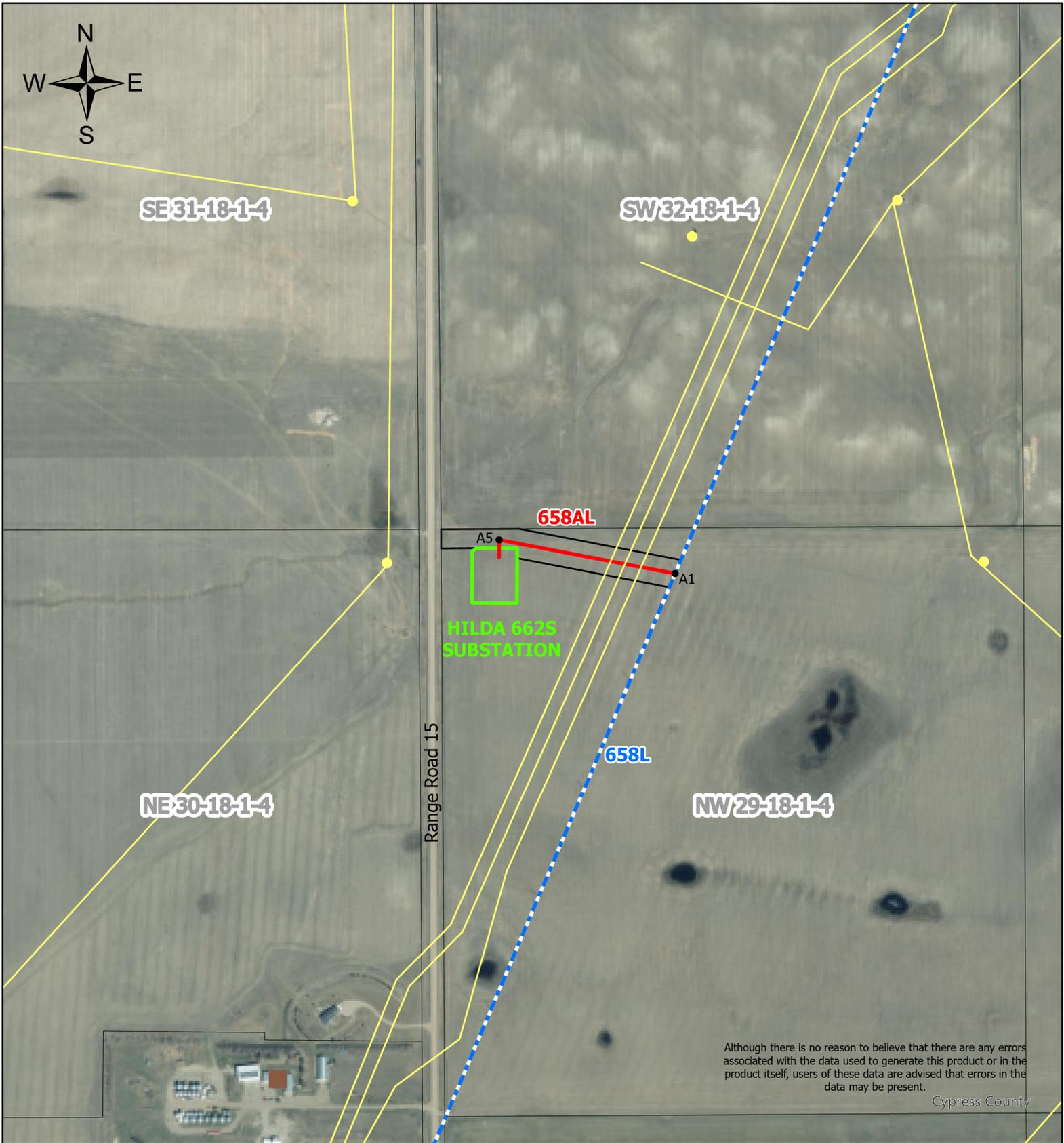
AUC Brochure

## **PROJECT DETAILS**

Transmission line details: the transmission line, designated as “658AL”, will be approximately 200m in length, and will span between the Hilda Wind Power Project Substation and the existing Altalink 658L line. The transmission line will include two steel single-poles, one approximately mid-span of 20 to 26m in height (see Cross Section X1 drawing below) and one at “point designation” A5 per the map below (see Cross Section X2 drawing below).

Location: the transmission line is entirely located on NW 29-18-1-4 as the Hilda project substation is located on that quarter section, as well as the point of interconnection with the Altalink 658L line.

Easement: the transmission line will require a 20m right of way that will enable construction of the line and maintenance. The right-of-way extends to the nearby highway 41 to ensure access.



Detail Photo Map DP1

**Renewable Energy Systems  
Hilda Wind Power Project**

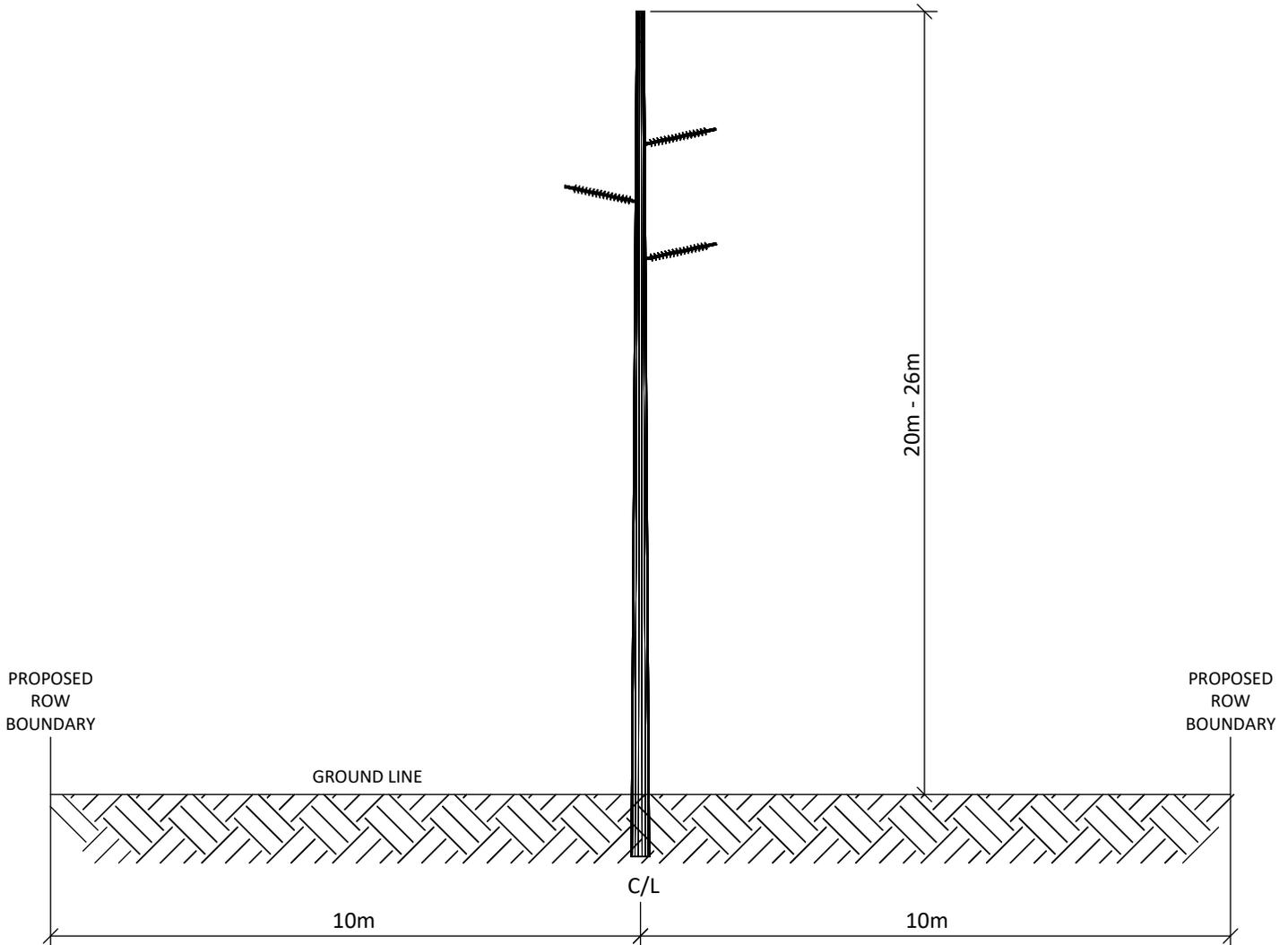


- Legend**
- Proposed 658AL
  - Proposed 658AL Right of Way Boundary
  - Approved Hilda 662S Substation
  - - - Existing Altalink 658L Transmission Line
  - Residence
  - Point Designation
  - Pipelines
  - Wellsites



No. 1  
 Drawn: SM  
 File No. RESC-DP1  
 Revision: 0.00.00  
 Date: 2021-11-06

PROPOSED 658AL  
SINGLE-CIRCUIT  
138 KV TANGENT SINGLE POLE



ROUTE SEGMENT  
A1 – A5 (LOOKING NORTHWEST)

COMPANY:



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2. ALL DISTANCES ARE APPROXIMATE AND MAY CHANGE BASED ON DETAILED ENGINEERING, ENVIRONMENTAL ASSESSMENTS, LANDOWNER INPUT AND FINAL STRUCTURE SELECTION.

CROSS SECTION X1

FOR INFORMATION ONLY	REV: 0
DRAWN: J. DWYER	SCALE: NOT TO SCALE
DATE: 2021-11-05	PAGE: 1 OF 1

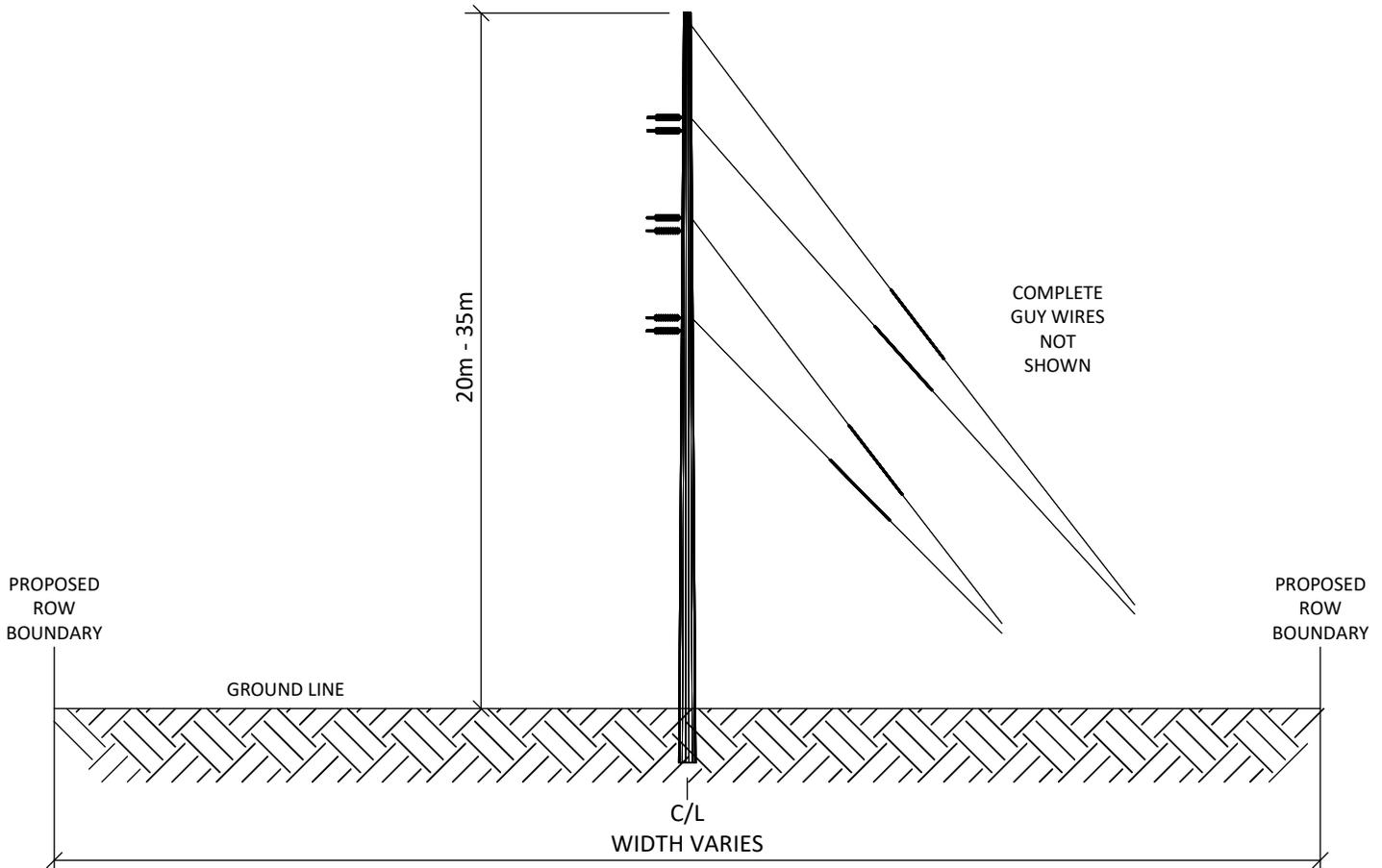
DRAWING PREPARED BY:



PROPOSED FACILITY:

RENEWABLE ENERGY SYSTEMS  
HILDA WIND POWER PROJECT

PROPOSED 658AL  
SINGLE-CIRCUIT  
138 KV SINGLE POLE DEAD-END



**POINT DESIGNATION**  
A5 (LOOKING SOUTH)

COMPANY:



DRAWING PREPARED BY:



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2. ALL DISTANCES ARE APPROXIMATE AND MAY CHANGE BASED ON DETAILED ENGINEERING, ENVIRONMENTAL ASSESSMENTS, LANDOWNER INPUT AND FINAL STRUCTURE SELECTION.
3. RIGHT OF WAY DIMENSIONS VARY NEAR SUBSTATION.

CROSS SECTION X2

FOR INFORMATION ONLY	REV: 0
DRAWN: J. DWYER	SCALE: NOT TO SCALE
DATE: 2021-11-05	PAGE: 1 OF 1

PROPOSED FACILITY:

**RENEWABLE ENERGY SYSTEMS  
HILDA WIND POWER PROJECT**

**Attachment 4 – TFO Project Newsletter – *Hilda Wind Power Project Connection*  
(December 2021)**



December 2021

# Electric system improvements near you

## Hilda Wind Power Project 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](http://www.altalink.ca).

You are receiving this newsletter because you are near the Hilda Wind Power Project Connection and we want your input.

To connect RES's approved Hilda Wind Power Project to the grid, AltaLink is proposing upgrades 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. For more information about RES, see their contact information on the back of this newsletter.

We are providing you with:

- project details
- maps of the proposed project areas
- 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.

### **CONTACT US**

1-877-267-1453

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

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

## Project details

This project is located in Cypress County. Part of the proposed project is located approximately 10 kilometres northwest of the hamlet of Hilda in NW-29-18-1-W4M, and part of it is located approximately 15 kilometres northeast of the city of Medicine Hat at the existing Chappice Lake Substation in SW-22-14-4-W4M.

### The proposed project activity near Hilda includes:

- modifying or replacing three structures on the existing 138 kilovolt (kV) transmission line (called 658L)
- installing a new **telecommunications tower** within RES's Hilda Substation

### The new structure(s) will:

- be wood or steel monopole structure(s) with guy wires
- be approximately 20–25 metres tall
- be located within AltaLink's existing **right-of-way**
- require 10 metres of construction workspace on either side of the existing right-of-way

### The proposed telecommunications tower will:

- be approximately 32 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

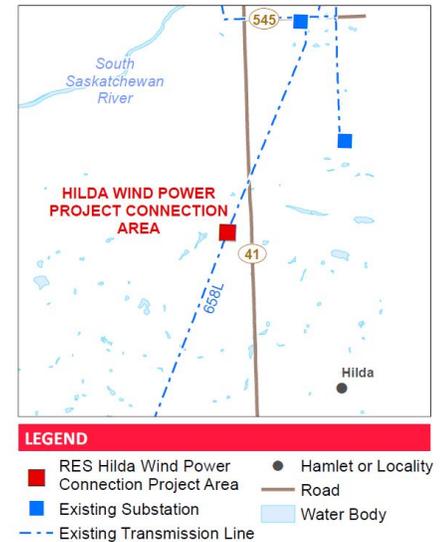
### The proposed project activity at the Chappice Lake Substation includes:

- installing up to two new **circuit breakers** and associated equipment at the Chappice Lake Substation
- installing a telecommunications link between the Chappice Lake Substation and the Bowmanton Substation
  - the link will be either **fibre optic cable** buried adjacent to the existing 674L transmission line, **overhead optical ground wire (OPGW)** added to the 674L transmission line, or a combination of both

Please see Detail Photo Maps (DP1 and DP2) for the locations of the proposed activity at Hilda and the Chappice Lake Substation.

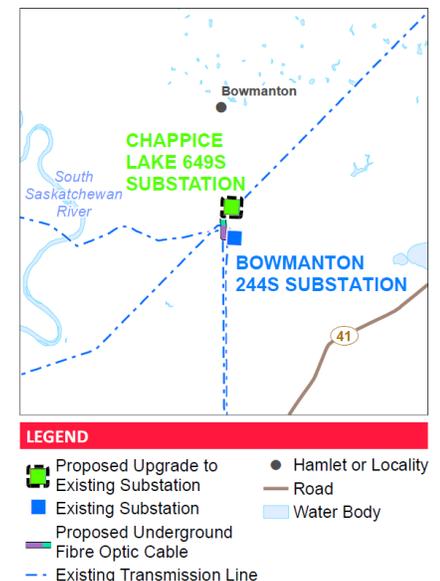
### Construction workspace

Additional construction workspace may be required in order to install the telecommunications line. The construction workspace is intended to be primarily used for equipment access during construction. Final construction workspace will be determined following further detailed engineering and construction planning. AltaLink will consult with all affected stakeholders regarding the potential requirement for construction workspace prior to, and during construction of the project.



Left: The new telecommunications tower will look similar to the one above

Right: The new structure will look similar to the one above



**DEFINITIONS:**

**Substation**

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

**Telecommunications Towers and Fibre Optic Cable**

Telecommunications towers and fibre optic cable transmit 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.

**Right-of-way**

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

**Circuit Breaker**

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

**Overhead Optical Ground Wire (OPGW)**

This equipment provides lightning protection and is part of a telecommunication network that allows AltaLink to monitor, control, protect, and restore the electric system.

## Keeping the lights on during COVID-19

AltaLink is closely monitoring the spread of COVID-19. Our priority is maintaining the health and safety of our employees, contractors, and the general public while ensuring that we can continue to operate our system and keep the lights on for Albertans.

## 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, found here: [www.altalink.ca/projectfeedback](http://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.

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*.

## Anticipated project schedule

Notify and consult with stakeholders	December 2021
File application with Alberta Utilities Commission (AUC)	April 2022
Start construction if project is approved	July 2022
Construction completed	August 2022

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

## Contact us

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

### **ALTALINK**

1-877-267-1453 (toll free)

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

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

*To learn more about the RES project, please contact:*

Patrick Henn, Senior Development Manager

E-mail: [patrick.henn@res-group.com](mailto:patrick.henn@res-group.com)

Phone: 1-438-266-1898

*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](mailto: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](http://www.aeso.ca). If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need you may contact the AESO directly. You can make your questions or concerns known to a transmission facility owner representative who will collect your personal information for the purpose of addressing your questions and/or concerns to the AESO. This process may include disclosure of your personal information to the AESO.

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

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

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

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

### **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](http://www.altalink.ca/privacy) or contact us directly via e-mail [privacy@altalink.ca](mailto:privacy@altalink.ca) or phone at 1-877-267-6760.

## INCLUDED IN THIS INFORMATION PACKAGE:

- Project maps
- COVID-19 Letter
- Information about Electric and Magnetic Fields and Radio Frequency
- AESO Need Overview
- AUC brochure: *Participating in the AUC's independent review process*

## SUBSCRIBE TO THIS PROJECT

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

## LET'S TALK TRANSMISSION



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



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

**Attachment 5 – AESO Market Participant Notification Letter (March 15, 2022)**

March 15, 2022

**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 Hilda Wind Power Project Connection in the Cypress County area**

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 approved Hilda Wind Power Project (Facility) to the Alberta interconnected electric system (AIES) in the AESO South Planning Region.

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 Facility to the AIES, and the AESO's next steps, which includes consideration of the Hilda Wind Power Project Connection under the Abbreviated Needs Approval Process.

You were notified by the AESO in January 2022 about the potential for congestion in the AESO planning areas of Vauxhall and Medicine Hat following the addition of new generation. The purpose of this letter is to advise you that the AESO has identified that, under credible worse case forecast conditions, the operation of the **[Effective Generation Facility Name]** (**[Effective Generation Facility Asset ID]**) may be affected following the connection of the Facility.<sup>1</sup>

### **Connection Assessment Findings**

An engineering connection assessment was carried out by the AESO to assess the transmission system performance following the connection of the Facility. The connection assessment identified the potential for thermal criteria violations on the 138 kV transmission line 610L following the connection of the Facility, under credible worse case forecast conditions with all transmission facilities in service (Category A). In addition, thermal criteria violations were also identified when a single transmission facility is out of service (Category B), following the connection of the Facility.

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, to mitigate the potential Category B system performance issues, new remedial action schemes (RAS) for 138 kV transmission lines 658L and 668L will be required to connect the Facility, which curtail the 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](#)

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<sup>1</sup> The studies were performed assuming the Rate STS, *Supply Transmission Service*, contract capacity of 100 MW.

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.

If the AESO determines that congestion will arise under Category A conditions, the AESO will make an application to the AUC 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 AUC for approval of such an exception.

#### ***For Further Information***

To support the AESO’s consideration of the Hilda Wind Power 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/hilda-wind-power-project-connection-2254/>. Stakeholders will be notified when this occurs via an “Abbreviated Needs Approval Process: Notice of Consideration” post on 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](mailto:stakeholder.relations@aeso.ca)

#### Attachments:

AESO Need Overview: *Need for the Hilda Wind Power Project Connection in the Cypress County area*

# Need for the Hilda Wind Power Project Connection in the Cypress County area

*Renewable Energy Systems Canada Inc., (RESC) has applied to the AESO for transmission system access to connect its approved Hilda Wind Power Project (Facility) in the Cypress County area. RESC's request can be met by the following solution:*

## PROPOSED SOLUTION

- Add one 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 658L 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](http://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 138 kV transmission line to connect the Facility to the transmission line 658L.
- Must apply to the AUC for approval of its transmission facilities applications.

## ALTALINK

- Is the transmission facility owner in the Hilda area.
- Is responsible for operating and maintaining the new 138 kV transmission line, and constructing, operating and maintaining the transmission facilities associated with the transmission line 658L modification.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

## WHO IS THE AESO?

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

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

## CONTACT US

### Alberta Electric System Operator

AESO Stakeholder Relations  
[stakeholder.relations@aes0.ca](mailto:stakeholder.relations@aes0.ca)  
1-888-866-2959

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

[www.aeso.ca](http://www.aeso.ca) | [@theaes0](https://twitter.com/theaes0)

**Attachment 6 – AESO Public Notification of ANAP Consideration Posting (April 2022)**

# Hilda Wind Power Project Connection (2254)

## Abbreviated Needs Approval Process: Notice of Consideration

The AESO intends to consider the need for the Hilda Wind Power Project Connection (Project) for approval under Section 501.3 of the ISO rules, *Abbreviated Needs Approval Process*, (ANAP Rule) on or after April 19, 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 approximately \$6 M 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 Estimate
- PIP Summary

**Attachment 7 – AESO Stakeholder Newsletter Notice of ANAP Consideration (April 5, 2022)**

April 5, 2022

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# AESO Stakeholder Newsletter

## GRID

### **Hilda Wind Power Project Connection - Abbreviated Needs Approval Process Notice of Consideration**

The AESO intends to consider the need for the Hilda Wind Power Project Connection for approval under Section 501.3 of the ISO rules, Abbreviated Needs Approval Process, (ANAP Rule) on or after April 19, 2022. If stakeholders have any questions or concerns, please contact the AESO before this date.

Hilda Wind L.P. (Hilda Wind) has applied to the AESO for transmission system access to connect its approved Hilda Wind Power Project (Facility) in the Cypress County area. Hilda Wind's request can be met by the following solution:

- Add one 138 kilovolt (kV) transmission line to connect the Facility to the existing 138 kV transmission line 658L 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](http://www.aeso.ca) and follow the path Grid > Projects > Hilda Wind Power Project Connection (2254) to see relevant supporting documents.