

**APPENDIX C AESO PARTICIPANT INVOLVEMENT PROGRAM (PIP)**

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## Riverview Wind Power Plant Connection

### PIP Summary

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#### 1.0 Participant Involvement Program (PIP)

##### 1.1 PIP Design

The AESO's Participant Involvement Program (PIP) is designed to notify the parties notified in the transmission facility owner's (TFO's) PIP and any other parties that the AESO determines may have an interest in the needs identification document, including, but not limited to:

- i. occupants, landowners or residents;
- ii. local authorities, agencies and government which have responsibilities related to electric transmission line development;
- iii. First Nations and Métis; and
- iv. market participants

(collectively, Stakeholders).

The AESO's PIP has been conducted in accordance with the requirements of Section 6.2.1, NID27 and Appendix A2 of the current Alberta Utilities Commission Rule 007 (AUC Rule 007), effective April 2, 2018 and the previous versions of AUC Rule 007 in effect at the time PIP activities were conducted.

From April 2012 to June 2013, the AESO conducted a PIP to assist in preparing its original *Riverview Wind Energy Connection Needs Identification Document* (NID). A summary of the original PIP is included as Attachment 1.

From May 2018 to June 2018, the AESO conducted a PIP to assist in preparing its amended *Riverview Wind Power Plant Connection NID*. The AESO directed the 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.

##### 1.2 Stakeholder Notification

The AESO developed a one-page AESO Need Overview Update document that notified 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, including the AESO's intention to amend the NID application submitted to the Alberta Utilities Commission (Commission) in June 2013.

A copy of the Need Overview Update was posted to the AESO website at <https://www.aeso.ca/grid/projects/riverview-wind-power-plant-connection/> on May 30, 2018 and a notice was published in the AESO Stakeholder Newsletter on May 31, 2018. Copies of the Need Overview Update posting and the AESO Stakeholder Newsletter notice have been included as Attachments 2 and 3, respectively. The Need Overview Update was also included with the TFO's project-specific information packages that were distributed to Stakeholders, as further described below.

### Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification within 800 m of the existing Castle Rock Ridge 205S substation boundary, in accordance with AUC Rule 007.

The TFO notified a total of approximately 35 Stakeholders, of which 6 were classified as private or individual landowners and encumbrance holders. The other 29 notified Stakeholders and the TFO's rationale for their inclusion in the PIP are listed in Table 1.

**Table 1: Summary of Notified Government, Industry and Special Interest Group Stakeholders**

Stakeholder	TFO's Rationale for Inclusion in the PIP
Alberta Agriculture and Forestry Farmer's Advocate Office	Provincial Requirements
Alberta Culture and Tourism	Provincial Requirements
Alberta Environment and Parks- Fish and Wildlife	Provincial Requirements
Alberta Environment and Parks- Parks Division- South Saskatchewan Region	Provincial Requirements
Alberta Environment and Parks- Resource Management- South Saskatchewan Region	Provincial Requirements
Alberta Land Stewardship Centre	Special Interest Group in Project Notification Area
Alberta Transportation- South Saskatchewan Region	Provincial Requirements
Alberta Wilderness Association	Special Interest Group in Project Notification Area
Axia SuperNet Ltd.	Telecommunications Facility Owner in Project Notification Area
Bell Canada	Telecommunications Facility Owner in Project Notification Area
Canadian Parks and Wilderness Society (CPAWS)	Special Interest Group in Project Notification Area
Crowsnest Conservation Association	Special Interest Group in Project Notification Area
Ducks Unlimited	Special Interest Group in Project Notification Area
Enel Alberta Wind Inc.	Project Proponent
Environment Canada – Canadian Wildlife Service	Federal Requirements

<b>Stakeholder</b>	<b>TFO's Rationale for Inclusion in the PIP</b>
FortisAlberta Inc.	Distribution Facility Owner in Project Notification Area
Lethbridge Naturalist Society	Special Interest Group in Project Notification Area
Municipal District of Pincher Creek	Municipal Requirements
Nature Canada	Federal Requirements
NAV Canada	Federal Requirements
Optomist Wind Energy Ltd.	Registered Intervener in AUC Proceeding No. 2402
Pincher Creek Water Cooperative	Municipal Requirements
Sierra Club Chinook	Special Interest Group in Project Notification Area
TELUS Communications Inc.	Telecommunications Facility Owner in Project Notification Area
The Nature Conservancy of Canada	Special Interest Group in Project Notification Area
TM Mobile Inc.	Telecommunications Facility Owner in Project Notification Area
Town of Pincher Creek	Municipal Requirements
Transport Canada	Federal Requirements
Wildlife Habitat Canada	Special Interest Group in Project Notification Area
Alberta Environment and Parks- Fish and Wildlife	Provincial Requirements

Attachment 4 includes the TFO's project update letter, which was included in the TFO project-specific information package that was distributed to the Stakeholders described above on May 29, 2018. The TFO's project update letter included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview Update, and an invitation to contact the TFO or the AESO for additional information.

The TFO's project update letter and the AESO Need Overview Update were also posted on the TFO's project-specific webpage at <http://www.altalink.ca/projects/view/143/riverview-wind-power-facility-interconnection> on May 29, 2018.

### **Stakeholders Notified by the AESO**

The AESO notified 9 market participants that were notified by the AESO during its original PIP (see Attachment 1). During its original PIP, the AESO identified that, under certain normal (Category A) and abnormal (Category B) system conditions, these market participants could have been affected following the connection of the Riverview Wind Power Plant. The AESO subsequently determined that operations of these market participants will no longer be affected following the connection of the Riverview Wind Power Plant.

A Market Participant Notification Letter, which included the AESO Need Overview Update, was sent to the notified market participants on June 1, 2018. The 9 notified market participants are as follows:

- Castle Rock Ridge LP
- Enel Green Power North America Inc.

- ENMAX Energy Corporation
- Kettles Hill Wind Energy Inc.
- NextEra Canada Development & Acquisitions, Inc.
- Oldman 2 Wind Farm Limited
- Renewable Energy Services
- TransAlta Corporation
- Windy Point Wind Park Ltd.

A generic version of the Market Participant Notification Letter was posted to the AESO website on June 4, 2018 at <https://www.aeso.ca/grid/projects/riverview-wind-power-plant-connection/> and a copy has been included as Attachment 5.

### **1.3 Filing Notification**

Most recently, the AESO notified Stakeholders of its intention to submit the amended NID to the Commission by posting a Notification of NID Amendment Filing to the AESO website at <https://www.aeso.ca/grid/projects/riverview-wind-power-plant-connection/> and a publishing notice in the AESO Stakeholder Newsletter on June 28, 2018. Copies of the Notification of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 6 and 7, respectively.

### **1.4 Responding to Questions and Concerns**

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

As directed by the AESO, the TFO was prepared to direct any Stakeholder questions addressed to the AESO, or questions regarding the AESO Need Overview, to the AESO.

### **1.5 Concerns and Objections Raised**

The TFO has advised that Stakeholders have not 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 from any party about the AESO's preferred option to respond to the system access service request or the need for development.

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## 1.6 List of Attachments

- Attachment 1 – 2012-2013 AESO PIP Summary
- Attachment 2 – AESO Need Overview Update (May 2018)
- Attachment 3 – AESO Stakeholder Newsletter Need Overview Update Notice (May 31, 2018)
- Attachment 4 – TFO's Project Update Letter – *Riverview Wind Power Facility Interconnection: Project update* (May 28, 2018)
- Attachment 5 – Market Participant Notification Update Letter (May 31, 2018)
- Attachment 6 – AESO Public Notification of Amended NID Filing Website Posting (June 2018)
- Attachment 7 – AESO Stakeholder Newsletter Amended NID Filing Notice (June 28, 2018)

**Attachment 1 – 2012-2013 AESO PIP Summary**

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## Riverview Wind Energy Connection

### Needs Identification Document

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#### 1.0 Participant Involvement Program (PIP)

From April 2012 to June 2013, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its *Riverview Wind Energy Connection Needs Identification Document* (NID). The AESO directed transmission facility owner AltaLink Management Ltd. (AltaLink) to assist the AESO in providing notification in accordance with NID 13 and Appendix A of Alberta Utilities Commission Rule 007.

The AESO's PIP was designed to notify and provide information to all occupants, residents and landowners within 800 metres of the proposed development, as well as to other interested parties, including the following government agencies and other organizations:

- Environment Canada – Canadian Wildlife Service
- NAV Canada
- Transport Canada, Aerodrome Safety – Edmonton
- Alberta Culture
- Alberta Environment and Water
- Alberta Sustainable Resource Development – Land Use Operations
- Alberta Sustainable Resource Development – Fish and Wildlife
- Alberta Tourism, Parks and Recreation
- Alberta Transportation
- Town of Pincher Creek
- Municipal District of Pincher Creek
- Pincher Creek Water Cooperative
- Axia SuperNet Ltd.
- Bell Canada
- Enel Alberta Wind Inc.
- FortisAlberta Inc.
- TM Mobile Inc.
- TELUS Corporation
- The Nature Conservancy of Canada
- Alberta Land Stewardship Centre
- Alberta Wilderness Association
- Canadian Parks and Wilderness Society (CPAWS)
- Ducks Unlimited

- Farmer's Advocate
- Crowsnest Conservation Association
- Lethbridge Naturalist Society
- Nature Canada
- Sierra Club Chinook
- Wildlife Habitat Canada

## 1.1 Description of Participant Involvement Program

The AESO used a variety of methods to notify stakeholders on the need for the Riverview Wind Energy Connection. The AESO developed a one-page need overview document that described the need for the proposed transmission development and subsequently updated the need overview to revise the proposed date of the AESO's NID application to the Alberta Utilities Commission. Copies of these documents were posted to the AESO website at <http://www.aeso.ca/transmission/25724.html> on July 17, 2012 and December 17, 2012 respectively. A copy of the updated need overview is included in Attachment 1.

The original need overview was included with AltaLink's project-specific information package mailed on April 27, 2012 to occupants, residents and landowners within 800 metres of the proposed transmission development as well as to the government agencies and other organizations noted above. The updated need overview was mailed to the above stakeholders by AltaLink on November 23, 2012. Attachment 2 includes a copy of AltaLink's project-specific information brochure.

Most recently, the AESO advertised its intention to file the Riverview Wind Farm Connection NID in the Pincher Creek Echo newspaper on May 22, 2013. A copy of the final proof has been included in Attachment 3.

As directed by the AESO, AltaLink was prepared to direct any inquiries or concerns about the project need to the AESO. The AESO is not aware of any outstanding questions or concerns regarding the need for the Riverview Wind Energy Connection.

To ensure that stakeholders had the opportunity to provide feedback, the AESO also provided stakeholders with a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address ([stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)). AESO 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 describes how the AESO honours Alberta's Personal Information Protection Act, were included on all AESO communications related to this application.

## **1.2 Notification to Effective Generators**

Planning studies completed by the AESO to ensure reliable system operation at the time of connecting the Riverview Wind Aggregated Generating Facility indicate that transmission constraints may arise or become more prevalent after the connection. The AESO issued a letter to potentially affected market participants on March 19, 2013 informing them of these potential constraints. The updated need overview was included with this letter. The letter was posted on the AESO website on March 20, 2013. A copy of the letter is included as Attachment 4 and mailing labels are provided under separate cover.

## **1.3 Issues and Concerns Raised**

The AESO has received no indication of concern from any party about the need for the proposed transmission development.

The AESO received one enquiry in respect of its notification to effective generators. One party contacted the AESO by phone to discuss the matter generally and to ascertain which of their generation assets could be affected by the potential transmission constraints described in the AESO's March 19, 2013 letter. At the conclusion of the discussion, the stakeholder indicated that it understood the AESO approach to system access service as set out in the letter and had no further questions. The AESO has addressed questions and concerns related to its notification to effective generators.

## **1.4 List of Attachments**

- Attachment 1 – AESO Need Overview
- Attachment 2 – AltaLink Brochure - "*AltaLink – Electric system improvements near you Riverview Wind Power Facility Interconnection*" (April 27, 2012)
- Attachment 3– Notification of Filing Advertisement – Final Proof
- Attachment 4 – AESO Letter to Effective Generators (March 19, 2013)

## **Attachment 1 – AESO Updated Need Overview**

# Need for the Riverview Wind Farm Connection in the Pincher Creek Area

## Transmission Development Information for Stakeholders Update

**In April 2012, stakeholders were sent an information package from AltaLink Management Ltd. (AltaLink) containing a one-page AESO document describing the need for the Riverview Wind Energy Connection. The purpose of this document is to update stakeholders on the proposed date of the AESO's application to the Alberta Utilities Commission (AUC).**

### **Why is this transmission development needed?**

ENEL Alberta Wind Inc. (ENEL) has requested connection to the transmission system for its proposed Riverview Wind Power Facility (Facility) in the Pincher Creek area. ENEL's request can be addressed by connecting the Facility to the existing Castle Rock Ridge 205S substation and adding a new 240 kV breaker and associated equipment to the Castle Rock Ridge 205S substation.

The Alberta Electric System Operator (AESO) is processing ENEL's request, including providing information to landowners, occupants, residents and agencies in the Pincher Creek area that may be near the proposed transmission development. The AESO intends to apply to the AUC for approval of this need in the spring of 2013. The AESO's needs identification document (NID) application will be available on the AESO's website at [www.aeso.ca/transmission/8969.html](http://www.aeso.ca/transmission/8969.html) at the time of its application to the AUC.

### **Who is the AESO?**

Alberta's transmission system, sometimes referred to as the Alberta Interconnected Electric System (AIES), is planned and operated by the AESO. The transmission system comprises the high-voltage lines, towers and equipment (generally 69kV and above) that transmit electricity from generators to lower voltage systems that distribute electricity to cities, towns, rural areas and large industrial customers.

The AESO's role is to maintain safe, reliable and economic operation of the AIES. The AESO's planning responsibility includes determining the need for transmission system development and the manner in which that need is met. The AESO is also mandated to facilitate the interconnection of qualified market participants to the AIES. The AESO is regulated by the AUC and must apply to the AUC for approval of its NID.

### **How is AltaLink involved?**

AltaLink is the transmission facilities owner (TFO) in the Pincher Creek area. While the AESO is responsible for identifying that transmission system development is needed, AltaLink is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities. The AESO has directed AltaLink to provide information to stakeholders on this need and to file a facility proposal application with the AUC which will include a detailed description and location of the proposed transmission development.

## **Further Information**

The AESO appreciates your views on the need for transmission system development and your comments are encouraged. If you have any questions or suggestions regarding the need for the proposed transmission system development in the Pincher Creek area or the AESO's application regarding this need, please contact:

**Marina Lakhani**  
**AESO Stakeholder Relations**  
**1-888-866-2959**  
**stakeholder.relations@aeso.ca**  
**2500, 330 – 5th Avenue SW**  
**Calgary, Alberta T2P 0L4**

*The AESO is committed to protecting your personal privacy in accordance with Alberta's Personal Information Protection Act. Any personal information collected by the AESO with regard to this project may be used to provide you with further information about the project, may be disclosed to the Alberta Utilities Commission (and as a result, may become public), and may also be disclosed to AltaLink as the legal owner of transmission facilities in your area. If you have any questions about how the AESO will use and disclose your personal information, please contact us at 1-888-866-2959 or at [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)*

**Attachment 2 – AltaLink Brochure – “AltaLink – Electric system improvements near you Riverview Wind Power Facility Interconnection” (April 27, 2013)**

## Electric system improvements near you

Riverview Wind Power Facility Interconnection

### DID YOU KNOW?

The average four-person family in Alberta today has 20 'instant-on' electronics such as laptops, DVD players, music device chargers and cell phone chargers. This is in addition to the other appliances necessary to run a home – fridges, stoves, microwaves, washers and dryers – all of which require a reliable supply of electricity.

You are receiving this newsletter because you are located near the proposed Riverview Wind Farm Interconnection Facility project and we want your input. This project will connect new wind generated power to Alberta's electric system.

We want to provide you with:

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

### Why is this project needed?

The Alberta Electric System Operator (AESO) received an application from ENEL Alberta Wind Inc. (ENEL) to connect its facility to the electric system and will file a Needs Application with the [Alberta Utilities Commission](#) (AUC).

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 you may contact the AESO directly or you can make your concerns known to an AltaLink representative who will communicate them to the AESO on your behalf.

### DEFINITION

#### **Alberta Utilities Commission**

The Alberta Utilities Commission (AUC) ensures the fair and responsible delivery of Alberta's utility services. AltaLink submits applications for new transmission projects to the AUC and the AUC reviews them in a public process.

### CONTACT US

1-877-267-1453 (toll-free)

[siting.consultation@altalink.ca](mailto:siting.consultation@altalink.ca)

Visit us online at

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

DEFINITION

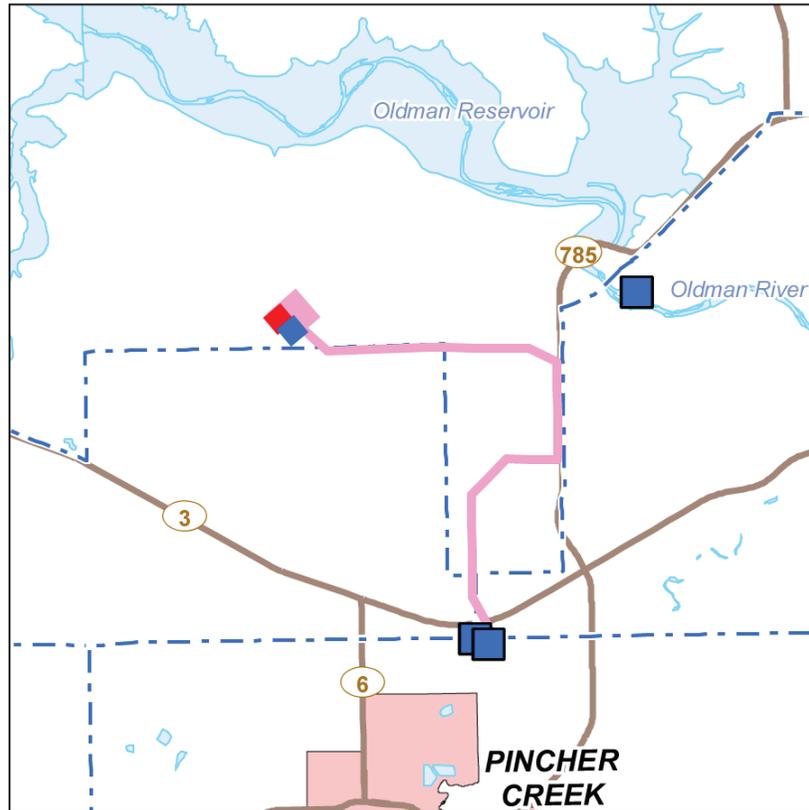
**Substation**

Substations are the connection points between power lines of varying voltages and contain equipment that control and protect 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.

DEFINITION

**Megawatts**

The generation of electricity is measured in megawatts. 1 MW = 1,000,000 watts.



**LEGEND**

- Potential ENEL Riverview Collector Substation
- Approved AltaLink Castle Rock Ridge 205S Switching Station
- Existing ENEL Castle Rock Ridge Collector Substation
- Existing Substation
- Approved 1071L/1072L Transmission Line
- Existing Transmission Line
- Major Road
- Urban Area
- Water Body

Project details

This proposed project includes:

- connecting the ENEL Riverview [Substation](#) to AltaLink’s Castle Rock Ridge Substation
- upgrades at the Castle Rock Ridge Substation

The wind power project will provide up to 115 [megawatts](#) (MW) of additional wind power to the province’s electric system.

## PROPOSED DEVELOPMENT

ENEL is proposing to build the Riverview Substation adjacent to the existing Castle Rock Ridge Substation. The Riverview Substation will be located on private land at SE-14-7-30-W4. AltaLink will be connecting the two substations using a [flexible bus](#) and adding equipment to the Castle Rock Ridge Substation.

AltaLink is responsible for the consultation and construction of the proposed connection between the ENEL and AltaLink substations and upgrades at the Castle Rock Ridge Substation. ENEL is responsible for the consultation and construction of the proposed wind farm and the Riverview Substation. If you have any questions regarding the proposed wind farm or substation, they can be directed to ENEL. ENEL's contact information is on the back of this newsletter.

## Provide your input

Stakeholder input is important to us. You can provide your input in any of the following ways.

### PARTICIPATE IN A ONE-ON-ONE CONSULTATION

We will contact all occupants, residents and landowners near the proposed development to gather input through one-on-one consultations. During the one-on-one process we will document the information you provide and respond to any questions or concerns you may have about the project.

AltaLink is committed to sharing information about its projects and working with the public to gather and respond to stakeholder input and concerns. A summary of stakeholder comments will be incorporated into the application we submit to the AUC.

### CONTACT US DIRECTLY

You can contact us by telephone, email, mail or through our website. Our contact information is on the front and back pages of this newsletter.

## Next steps

After our consultation process is complete we will file a [Facilities Application](#) with the AUC in the fall of 2012. The AUC will review both the Needs Application and the Facilities Application at the same time through a process in which stakeholders can participate.

To learn more about the AUC process and how you can become involved, please refer to the brochure included in this package titled *Public Involvement in Needs or Facilities Applications*.

### DEFINITION

#### [Flexible bus](#)

A flexible bus is an electrical conductor which serves as a connection point between high voltage devices. The flexible bus allows the connection between close substations without an overhead transmission line structure.

### DEFINITION

#### [Facilities Application](#)

AltaLink submits Facilities Applications to the AUC for review. A Facilities Application describes how AltaLink proposes to meet the requirements for a transmission project. It includes routing details, results of the participant involvement program and technical details. Facilities Applications must be approved by the AUC before construction can begin.



## INCLUDED IN THIS INFORMATION PACKAGE:

- Project maps
- AltaLink brochure: *A Dialogue on Electric & Magnetic Fields*
- AltaLink brochure: *Good Neighbours*
- AUC brochure: *Public Involvement in Needs or Facilities Applications*
- AESO Need Overview

## More information

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

### **ALTALINK**

1-877-267-1453 (toll-free)

Email: [siting.consultation@altalink.ca](mailto:siting.consultation@altalink.ca)

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

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

### **ALBERTA ELECTRIC SYSTEM OPERATOR (AESO)**

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

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

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

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

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

780-427-4903

(You can call toll-free by dialing 310-0000 before the number).

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

Website: [www.auc.ab.ca](http://www.auc.ab.ca)

*To learn more about ENEL Alberta Wind, please contact Michael Kehle at:*

### **ENEL ALBERTA WIND INC. (ENEL)**

514-397-0463

Email: [michael.kehle@enel.com](mailto:michael.kehle@enel.com)

Website: [www.enelgreenpower.com](http://www.enelgreenpower.com)

# ALTALINK

2611 - 3rd Avenue SE  
Calgary, Alberta T2A 7W7

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# ALTALINK

## Riverview Wind Power Facility Interconnection

### Anticipated project schedule

Notify and consult with stakeholders	Spring 2012
File application with the Alberta Utilities Commission (AUC)	Fall 2012
Start construction if project is approved	Summer 2014
Complete construction	Fall 2014

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

### CONTACT US

1-877-267-1453 (toll-free)

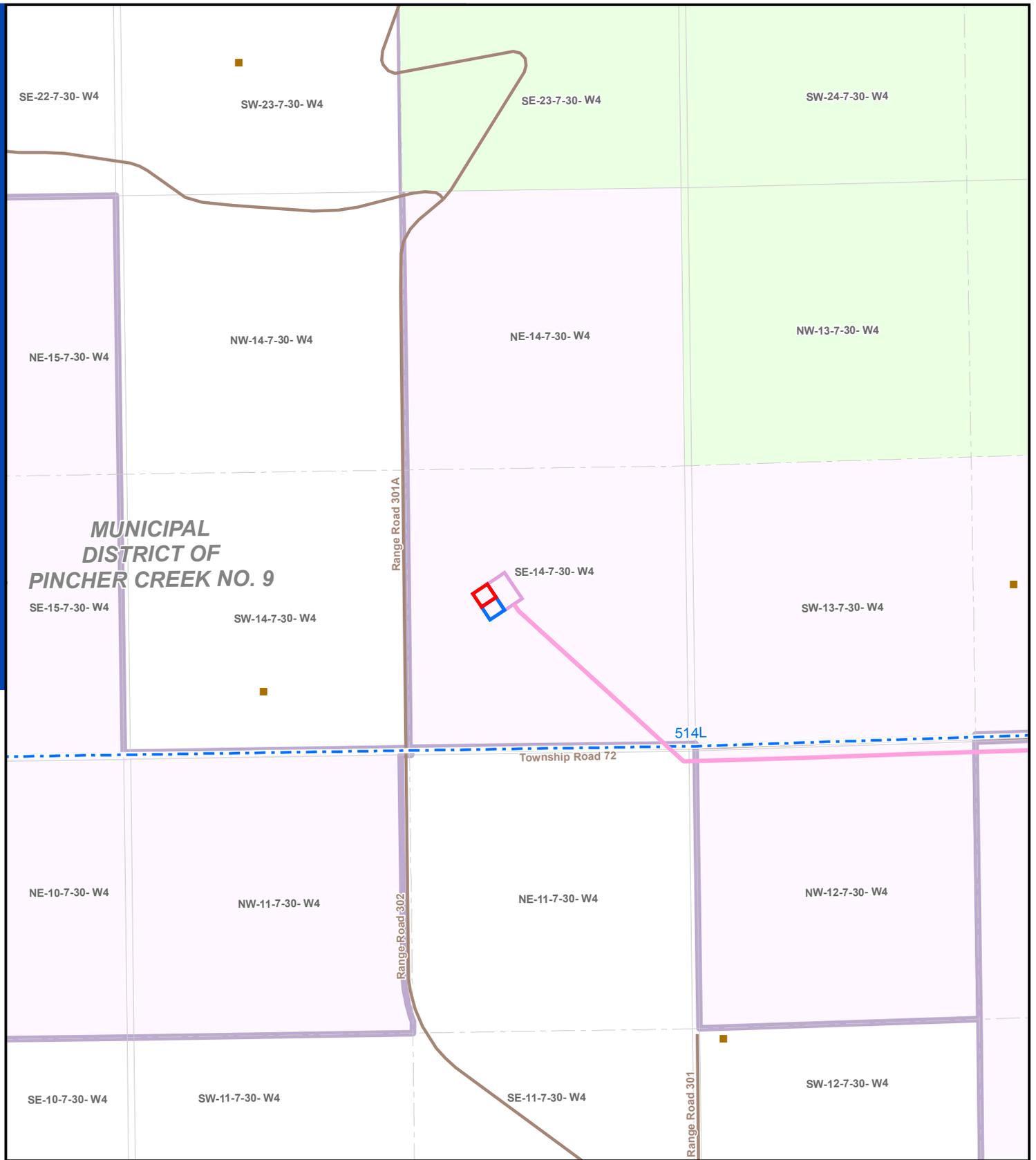
siting.consultation@altalink.ca

Visit us online at  
[www.altalink.ca/projects](http://www.altalink.ca/projects)

### Projects in the area

AltaLink is working on several projects in the area to make sure your lights come on at the flick of the switch.

Project name	Description	Status
Castle Rock Ridge Wind Farm Connection	A new substation, to be called Castle Rock Ridge Substation, and a new 240 kV transmission line between the Goose Lake and Castle Rock Ridge substations.	Construction underway
Highway 785 Wind Power Facility Interconnection	A new switching station and 150 metres of 240 kV transmission line.	Notification/Consultation underway
Oldman Wind Farm Interconnection	Interconnection of the Oldman 2's Windy Point Substation to the existing 138 kV transmission system.	Application Filed
Fidler to Chapel Rock Transmission Project	Approximately 50 kilometres (31 miles) of new 240 kV transmission line and a new substation	Awaiting further direction from the AESO
Fidler Substation and Transmission Line	Approximately 15 kilometres (nine miles) of new 240 kV transmission line and a new substation	Awaiting further direction from the AESO

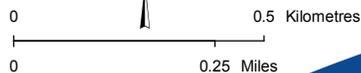


**LEGEND**

- Potential ENEL Riverview Collector Substation
- Approved AltaLink Castle Rock Ridge 205S Switching Station
- Existing ENEL Castle Rock Ridge Collector Substation
- Approved 1071L/1072L Transmission Line
- Existing Transmission Line
- Residence
- Road

- Environmentally Significant Area
- Wind Farm Area

NO:  
 DRAWN: WL - TERA  
 FILE NO.: TERA 8009  
 REVISION: 0.02.01  
 DATE: 2012-03-05  
 AL FOLDER: Riverview Wind Power



DETAIL BASE **DB1**

**ALTALINK**

**POTENTIAL**

**Riverview Wind Power Facility Interconnection**

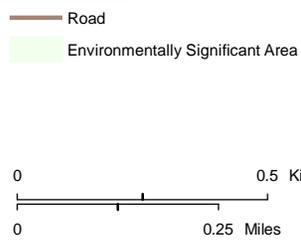
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**MUNICIPAL DISTRICT  
OF PINCHER CREEK  
NO. 9**

**LEGEND**

- Potential ENEL Riverview Collector Substation
- Approved AltaLink Castle Rock Ridge 205S Switching Station
- Existing ENEL Castle Rock Ridge Collector Substation
- Approved 1071L/1072L Transmission Line
- Existing Transmission Line
- Residence



NO:  
DRAWN: WL - TERA  
FILE NO.: TERA 8009  
REVISION: 0.02.00  
DATE: 2012-03-05  
AL FOLDER: Riverview Wind Power

DETAIL PHOTO DP1

**ALTALINK**

POTENTIAL

**Riverview Wind Power Facility Interconnection**

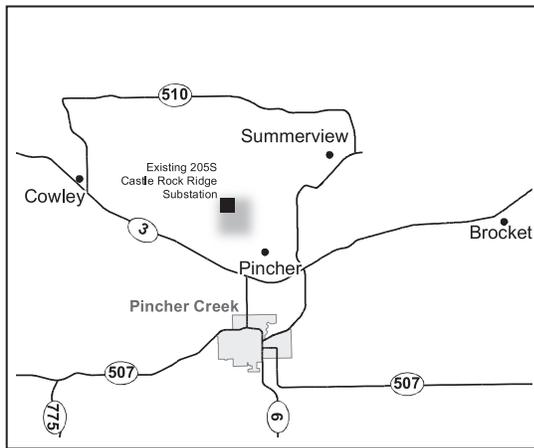
Photography dated: 2007 Source: Valtus Imagery Services 40cm Colour Ortho Photography  
Although there is no reason to believe that there are any errors associated with the data used to generate this product or in the product itself, users of these data are advised that errors in the data may be present.

**Attachment 3 – Notification of Filing Advertisement – Final Proof**

# Notification of AESO Regulatory Filing Addressing the Need for the Riverview Wind Farm Connection in the Pincher Creek

The Alberta Electric System Operator (AESO) advises you of its intention to file a Needs Identification Document (NID) for the connection of Riverview Wind Power Facility with the Alberta Utilities Commission (AUC) on or after June 6, 2013.

Enel Alberta Wind Inc. (Enel) has requested connection to the transmission system for its proposed Riverview Wind Power Facility (Facility) in the Pincher Creek area. Enel's request requires transmission system development which is proposed to include connecting the Facility to the existing Castle Rock Ridge 205S substation and adding a new 240 kV breaker and associated equipment to the Castle Rock Ridge 205S substation.

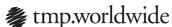


*The shaded area on the map indicates the approximate area where the transmission connection is needed. In a separate application called a Facility Application, AltaLink Management Ltd. (AltaLink), the transmission facilities owner (TFO) in the Pincher Creek area, will describe the specific routes and sites they propose to implement the proposed transmission connection and request AUC approval to construct and operate the specific transmission facilities. The specific siting and transmission line routes applied for by AltaLink may extend beyond the area shown.*

The AESO and AltaLink presented this need to stakeholders, including residents, occupants and landowners, from July 2012 to June 2013. The AESO has considered feedback gathered from stakeholders, and technical and cost considerations, and will apply to the AUC for approval of the need for this transmission development. Once filed, the NID will be posted on the AESO website at <http://www.aeso.ca/transmission/25724.html>

Please visit our website, [www.aeso.ca](http://www.aeso.ca) for more information, or contact the AESO at 1-888-866-2959 or [stakeholder.relationships@aeso.ca](mailto:stakeholder.relationships@aeso.ca)



 <small>Integrated Marketing Communications</small>	
<b>Artist:</b>	<b>2N</b>
<b>Docket:</b>	<b>103243</b>
<b>Date:</b>	<b>Apr 15, 2013</b>
<b>Size:</b>	<b>5"</b>
<b>Proof:</b>	<b>1.1</b>
<b>1 of 1</b>	
<b>Publications(s):</b>	<b>PincherCk</b>

**Attachment 4 – AESO Letter to Effective Generators  
(March 19, 2013)**

March 19, 2013

Dear Market Participants and Other Interested Parties,

Re: **Proposed Connection of Riverview Wind Aggregated Generating Facility (WAGF)**

Enel Alberta Wind Inc. has requested connection to the transmission system for its Riverview WAGF, located in the Fort MacLeod area. The expected in-service date of the Riverview WAGF is October 2014. The purpose of this letter is to inform you that following this connection, your facility operation may be affected by future system conditions in the area.

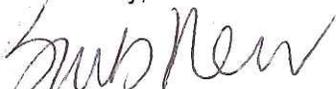
In keeping with its duties under the Electric Utilities Act to provide reasonable system access to all market participants, the AESO intends to proceed with the proposed connection and apply to the Alberta Utilities Commission for approval of the need to connect the Riverview WAGF. A copy of the AESO's need overview document is attached for your information.

The AESO has completed planning studies to ensure that reliable system operation is maintained at the time of connecting the Riverview WAGF to the Alberta Interconnected Electric System. These studies indicate that after the Riverview WAGF is connected, and depending on system operating conditions, transmission constraints may arise or existing constraints may become more prevalent on the transmission system. The identified constraints may occur under normal and abnormal operating conditions. The AESO is aware that it has a duty to plan the system to provide all market participants with full system access under normal operating conditions and is working to have planned system enhancements in place in a timely manner. The AESO advises that planned Southern Alberta Transmission Reinforcements, specifically the double-circuit 240 kV line from the proposed Windy Flats substation to the proposed Foothills substation, planned for 2015, and the Blackie area 138 kV transmission system reconfiguration, planned for 2016, will remove the identified system constraints.

Until planned system developments in the area are complete, the AESO intends to manage any constraints that arise using ISO Rule 302.1 Real Time Transmission Constraint Management (TCM Rule). The TCM Rule could result in curtailment of generators in the area that are effective in managing a constraint using a reverse merit order and pro rata curtailment protocol.

If you have any questions or concerns about the Need for the Riverview project please contact the AESO at 1-888-866-2959 or [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca).

Yours truly,



Barb Reimer

Director

Transmission, Project Delivery

**Attachment 2 – AESO Need Overview Update (May 2018)**

# Need for the Riverview Wind Power Plant Connection in the Pincher Creek Area

*Riverview Limited Partnership (RLP), by its general partner Enel Alberta Wind Inc., has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Riverview Wind Power Plant (Facility) in the Pincher Creek area.*

*Distribution of the original AESO Need Overview began in July 2012 and the AESO filed a needs identification document (NID) application in June 2013. As a result of a change in schedule, the AESO determined that an amendment to the filed NID application will be required. The AESO intends to submit the amended NID as described below.*

*RLP's request for system access service can be met by the following solution:*

## PROPOSED SOLUTION

- Modify the existing Castle Rock Ridge 205S substation, including adding one 240 kilovolt (kV) circuit breaker
- Connect the Facility to the Castle Rock Ridge 205S substation.
- Add or modify associated equipment as required for the above transmission developments.

## REVISED NEXT STEPS

- The AESO has determined that the NID application submitted in June 2013 needs to be amended. The AESO now intends to submit the amended NID application to the Alberta Utilities Commission (AUC) for approval of the need in mid-2018.
- 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.

## ALTALINK

- Is the transmission facility owner in the Pincher Creek area.
- Is responsible for detailed siting and routing, constructing, operating and maintaining the transmission facilities.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

## WHO IS THE AESO?

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

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

## CONTACT US

### Alberta Electric System Operator

AESO Stakeholder Relations  
[stakeholder.relations@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 3 – AESO Stakeholder Newsletter Need Overview Update Notice (May 31, 2018)**

May 31, 2018

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# AESO Stakeholder Newsletter



## **Information Update for the Riverview Wind Power Plant Connection – Need for Transmission Development in the Pincher Creek area**

Riverview Limited Partnership (RLP), by its general partner Enel Alberta Wind Inc., has applied to the AESO for transmission system access to connect its proposed Riverview Wind Power Plant (Facility) in the Pincher Creek area.

Distribution of the original AESO need overview began in July 2012 and the AESO filed a needs identification document (NID) application in June 2013. As a result of a change in schedule, the AESO determined that an amendment to the filed NID application will be required. The AESO intends to submit the amended NID to the Alberta Utilities Commission (AUC) for approval of the need in mid-2018.

RLP's request for system access service can be met by the following solution:

- Modify the existing Castle Rock Ridge 205S substation, including adding one 240 kilovolt (kV) circuit breaker
- Connect the Facility to the Castle Rock Ridge 205S substation.
- Add or modify associated equipment as required for the above transmission developments.

The AESO has posted a need overview update 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 > Project > Riverview Wind Power Plant Connection

**Attachment 4 - TFO's Project Update Letter – Riverview Wind Power Facility Interconnection: Project update (May 28, 2018)**

May 28, 2018

## **Riverview Wind Power Facility Interconnection: Project update**

You are receiving this letter because you are near the proposed Riverview Wind Power Facility Interconnection. AltaLink submitted an application for this project to the Alberta Utilities Commission (AUC) on June 12, 2013.

Riverview Limited Partnership's proposed Riverview Wind Power Plant was selected in round one of the Renewable Electricity Program (REP) and is moving forward. More information about the REP can be found at [www.aeso.ca](http://www.aeso.ca). As a result, AltaLink's Riverview Wind Power Interconnection is also moving ahead and we want to provide you with an updated schedule for the project.

### **Project details**

The proposed Riverview Wind Power Facility Interconnection includes adding one 240 kilovolt (kV) circuit breaker and associated equipment to the existing Castle Rock Ridge Substation. All previous project information can be found at [www.altalink.ca/projects](http://www.altalink.ca/projects).

Also included with this letter is the need overview update from the Alberta Electric System Operator (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](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. You can contact the AESO at [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca) or 1-888-866-2959

### **Updated anticipated project schedule**

Notify stakeholders	Spring/Summer 2018
File amendment with AUC	Summer 2018
Start construction if project is approved	Spring 2019
Construction completed	Summer 2019

*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.*

### **Amendment**

We will file an amendment with the AUC in summer 2018 for the updated schedule outlined above and the updated project cost. We will also be updating any data that has become outdated since our original application filing. Please note that all costs for this project will be paid by Riverview Limited Partnership. In an effort to keep you updated we ask that you review the information and contact us if you have any concerns.

### Next steps

The AUC will review the amended application and can approve, approve with conditions, or deny the project. We will notify stakeholders when we file the amendment and again when 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 *Public involvement in a proposed utility development*.

### Contact us

We are available to address any questions or concerns you may have regarding the project or the project amendment. Please contact us at [stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca) or 1.877.269.5903.

Sincerely,



Dave Lee  
Manager, Consultation

**Attachment 5 – Market Participant Notification Update Letter (May 31, 2018)**

May 31, 2018

**[Notified Market Participant Legal Name]**

**[Notified Market Participant Address]**

Attention: **[Notified Market Participant Primary Contact]**

Dear **[Notified Market Participant Primary Contact]**:

Re: **Need for the Riverview Wind Power Plant Connection in the Pincher Creek Area - Update**

In March 2013, the Alberta Electric System Operator (AESO) advised stakeholders in the area, including yourself, that Enel Alberta Wind Inc., had applied for transmission system access to connect its Riverview Wind Power Plant (planned Facility) to the Alberta interconnected electric system (AIES) in the AESO South Planning Region. The AESO further advised that the operations of the **[Notified Market Participant Generation Facility]** may be affected following the connection of the planned Facility. At that time, based on the results of the initial connection assessment, the AESO identified system performance issues under normal (Category A) system conditions and under certain abnormal (Category B) system conditions following the connection of the planned Facility.

The purpose of this letter is to advise that, as a result of a change in schedule, a new connection assessment was performed, which indicated that operations of the **[Notified Market Participant Generation Facility]** will not be affected following the connection of the planned Facility.

### ***Connection Assessment Findings***

A new connection assessment was carried out by the AESO to assess the transmission system performance prior to and following the connection of the planned Facility. This assessment did not identify any system performance issues under normal (Category A) system conditions. Further, the connection assessment did not identify any new system performance issues under abnormal (Category B) system conditions, following the connection of the planned Facility. To mitigate existing system performance issues, namely potential transmission constraints, an existing remedial action scheme (RAS) will continue to be used.

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

A copy of the AESO Need Overview Update document is attached for your information. The AESO Need Overview Update describes the AESO's proposed transmission development to connect the planned Facility and the AESO's next steps, which include submitting an amended needs identification document (NID) application to the Alberta Utilities Commission (AUC) for approval.

The complete connection assessment will be included in the AESO's amended NID application for the project. Following submission to the AUC, the NID application will be posted on the AESO website at: <https://www.aeso.ca/grid/projects/riverview-wind-power-plant-connection/>

You will receive further correspondence if the AESO determines that the operations of the **[Notified Market Participant Generation Facility]** could be affected following the connection of a different planned facility or facilities.

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)

Yours truly,

Maz Mazadi, Ph.D., P.Eng.  
Manager, Project and System Access Studies

Attachment: AESO Need Overview Update: *Need for the Riverview Wind Power Plant Connection in the Pincher Creek Area*

# Need for the Riverview Wind Power Plant Connection in the Pincher Creek Area

*Riverview Limited Partnership (RLP), by its general partner Enel Alberta Wind Inc., has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Riverview Wind Power Plant (Facility) in the Pincher Creek area.*

*Distribution of the original AESO Need Overview began in July 2012 and the AESO filed a needs identification document (NID) application in June 2013. As a result of a change in schedule, the AESO determined that an amendment to the filed NID application will be required. The AESO intends to submit the amended NID as described below.*

*RLP's request for system access service can be met by the following solution:*

## PROPOSED SOLUTION

- Modify the existing Castle Rock Ridge 205S substation, including adding one 240 kilovolt (kV) circuit breaker
- Connect the Facility to the Castle Rock Ridge 205S substation.
- Add or modify associated equipment as required for the above transmission developments.

## REVISED NEXT STEPS

- The AESO has determined that the NID application submitted in June 2013 needs to be amended. The AESO now intends to submit the amended NID application to the Alberta Utilities Commission (AUC) for approval of the need in mid-2018.
- 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.
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## WHO IS THE AESO?

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

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

## CONTACT US

### Alberta Electric System Operator

AESO Stakeholder Relations  
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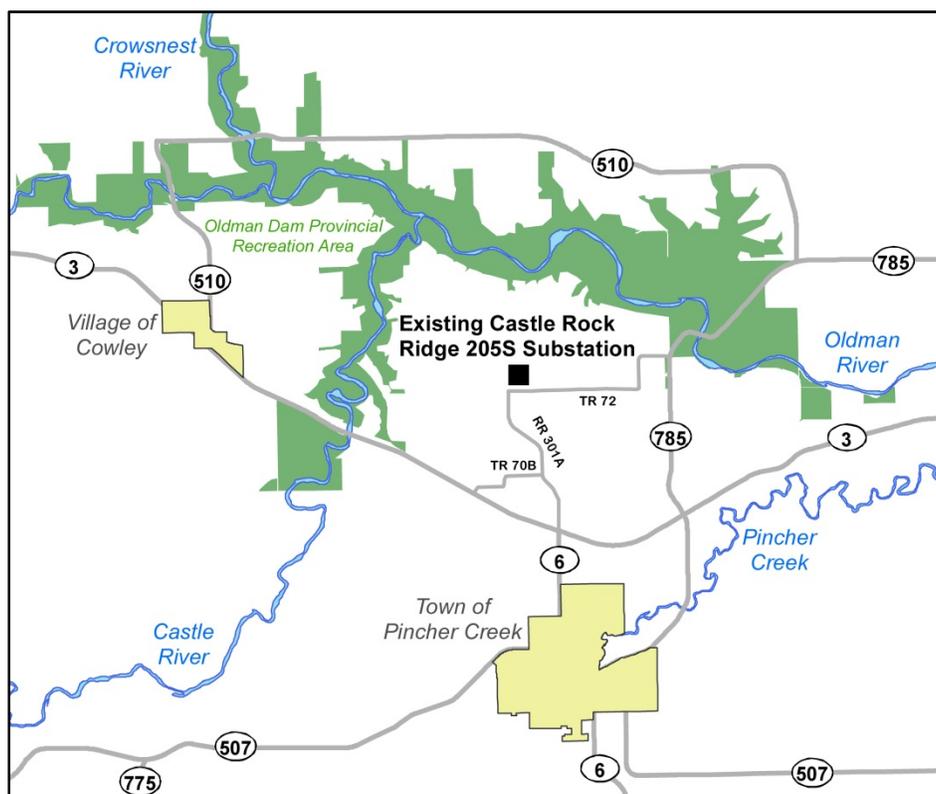
**Attachment 6 – AESO Public Notification of Amended NID Filing Website Posting (June 2018)**

## Notification of Amended Needs Identification Document Filing Addressing the Need for the Riverview Wind Power Plant Connection in the Pincher Creek Area

The Alberta Electric System Operator (AESO) advises you that it intends to file an amended Needs Identification Document (NID) for the Riverview Wind Power Plant Connection with the Alberta Utilities Commission (AUC) on or after July 13, 2018.

Riverview Limited Partnership (RLP), by its general partner Enel Alberta Wind Inc., has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Riverview Wind Power Plant (Facility) in the Pincher Creek area. RLP's request for system access service can be met by the following solution:

- Modify the existing Castle Rock Ridge 205S substation, including adding one 240 kilovolt (kV) circuit breaker.
- Connect the Facility to the Castle Rock Ridge 205S substation.
- Add or modify associated equipment as required for the above transmission developments.



*The black square on the map indicates the approximate location of the existing Castle Rock Ridge 205S substation, which is at SE-14-7-30-W4.*

AltaLink Management Ltd. (AltaLink) is the transmission facility owner (TFO) in the Pincher Creek area. In May 2018, the AESO and the TFO presented updated information about the need to stakeholders, including residents, occupants, and landowners. The AESO will file an amended NID application with the AUC requesting approval of the need for this transmission development. This amended NID application will replace original NID application that was filed in June 2013. Once filed with the AUC, the amended NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/riverview-wind-power-plant-connection/>

In a separate amendment to its Facility Application, the TFO will provide more details about the specific facilities associated with the AESO's proposed transmission development, and will request AUC approval to construct and operate these facilities. For more information, please visit our website, [www.aeso.ca](http://www.aeso.ca) or contact us at 1-888-866-2959 or [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca)

**Attachment 7 – AESO Stakeholder Newsletter Amended NID Filing Notice (June 28, 2018)**

June 28, 2018

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# AESO Stakeholder Newsletter



## **Riverview Wind Power Plant Connection – Notice of Amended NID Filing**

Riverview Limited Partnership (RLP), by its general partner Enel Alberta Wind Inc., has applied to the AESO for transmission system access to connect its proposed Riverview Wind Power Plant (Facility) in the Pincher Creek area. RLP's request for system access service can be met by the following solution:

- Modify the existing Castle Rock Ridge 205S substation, including adding one 240 kilovolt (kV) circuit breaker
- Connect the Facility to the Castle Rock Ridge 205S substation
- Add or modify associated equipment as required for the above transmission developments

The AESO intends to file the amended Riverview Wind Power Plant Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after July 13, 2018, requesting that the AUC approve this amended NID. This amended NID application will replace original NID application that was filed in June 2013.

The AESO has posted the Notification of Amended NID filing 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 > Project > Riverview Wind Power Plant Connection to see all the relevant documents, including the amended NID application once it is filed with the AUC.