

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

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## Kirby North Central Processing Facility 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 Market Participant's PIP for the Proposed Canadian Natural Development, 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, NID19 and Appendix A2 of the current Alberta Utilities Commission Rule 007 (AUC Rule 007), effective April 2, 2018.

From February 2018 to May 2018, the AESO conducted a PIP to assist in preparing its *Kirby North Central Processing Facility Connection Needs Identification Document* (NID). The AESO required the Market Participant, in this case Canadian Natural Resources Limited (Canadian Natural), to assist the AESO in providing notification as part of the AESO's PIP. The AESO also directed one of the TFOs involved in the Project, in this case AltaLink Management Ltd. (AltaLink), in its capacity as general partner of AltaLink, L.P., to assist the AESO in providing notification as part of the AESO's PIP.

##### 1.2 Stakeholder Notification

The AESO developed a one-page AESO Need Overview 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 apply to the Alberta Utilities Commission (Commission) for approval of the need.

A copy of the Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/projects/kirby-north-central-processing-facility-connection/> and a notice was published in the AESO Stakeholder Newsletter on February 27, 2018. 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 Canadian Natural's and AltaLink's project-specific information packages that were distributed to Stakeholders, as further described below.

### **Stakeholders Notified in Canadian Natural's PIP**

Canadian Natural has advised the AESO that its PIP for the Proposed Canadian Natural Development included notification within 800 metres (m) of the proposed transmission line, in accordance with AUC Rule 007.

Canadian Natural notified a total of 21 Stakeholders, 3 of which were private individuals that hold trapping rights within the notification area. The other 18 notified Stakeholders and Canadian Natural's rationale for their inclusion in the PIP are listed in Table 1.

**Table 1: Summary of Stakeholders Notified by Canadian Natural**

<b>Stakeholder</b>	<b>Canadian Natural's Rationale for Inclusion in the PIP</b>
Access Pipeline Inc.	Land rights in notification area
Alberta Transportation	Provincial Regulations
AltaLink Management Ltd.	Land rights in notification area
Beaver Lake Cree Nation	As per direction from Aboriginal Consultation Office (ACO)
Buffalo Lake Metis Settlement	As per direction from ACO
Chipewyan Prairie First Nation	As per direction from ACO
Fort McMurray #468 First Nation	As per direction from ACO
FortisAlberta Inc.	Land rights in notification area
Government of Alberta, Alberta Environment & Parks	Provincial Regulations
Heart Lake First Nation	As per direction from ACO
Ish Energy Ltd.	Land rights in notification area
JMB Crushing Systems ULC	Land rights in notification area
Kikino Metis Settlement	As per direction from ACO
Lac la Biche County	Municipal Requirements
NAV Canada - AIS Data Collection	Federal Requirements
NOVA Gas Transmission Ltd.	Land rights in notification area
Saddle Lake Cree First Nation	As per direction from ACO
Sequoia Resources Corp.	Land rights in notification area

Attachment 3 includes Canadian Natural's project newsletter, which was included in Canadian Natural's project-specific information package that was distributed to the Stakeholders

described above between February 22, 2018 and March 7, 2018. Canadian Natural'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 Canadian Natural, AltaLink or the AESO for additional information.

### **Stakeholders Notified in AltaLink's PIP**

AltaLink has advised the AESO that its PIP included notification within 200 m of the proposed transmission line modification, in accordance with AUC Rule 007.

AltaLink notified a total of approximately 10 Stakeholders, of which one was classified as an individual Crown leaseholder. The other 9 notified Stakeholders and AltaLink's rationale for their inclusion in the PIP are listed in Table 2.

**Table 2: Summary of Agency and Industry Stakeholders Notified by AltaLink**

<b>Stakeholder</b>	<b>AltaLink's Rationale for Inclusion in the PIP</b>
Access Pipeline Inc.	Pipeline Owner in project notification area.
Alberta Culture and Tourism	Provincial requirements
Alberta Environment and Parks, Lower Athabasca Region, Regional Approvals	Provincial requirements
Alberta Environment and Parks, Lower Athabasca Region, Regional Resource Management	Provincial requirements
Alberta Transportation	Provincial requirements
Canadian Natural Resources Limited	Facility Owner in project notification area.
Lac La Biche County	Municipal requirements (land use authority)
NOVA Gas Transmission Limited	Pipeline Owner in project notification area.
Sequoia Resources Corp.	Pipeline Owner in project notification area.

Attachment 4 includes AltaLink's project newsletter, which was included in the AltaLink project-specific information package that was distributed to the Stakeholders described above between February 28, 2018 and March 19, 2018. AltaLink'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 AltaLink or the AESO for additional information.

AltaLink's project newsletter and the AESO Need Overview were also posted on AltaLink's project-specific webpage at <http://www.altalink.ca/projects/view/293/kirby-north-central-processing-facility-connection> on February 28, 2018.

### **1.3 Filing Notification**

Most recently, the AESO notified Stakeholders of its intention to submit the NID to the Commission by posting a Notification of NID Filing to the AESO website at <https://www.aeso.ca/grid/projects/kirby-north-central-processing-facility-connection/> and a publishing notice in the AESO Stakeholder Newsletter on May 31, 2018. Copies of the

Notification of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 5 and 6, 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.

Canadian Natural and AltaLink were 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**

Canadian Natural and AltaLink have 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.

#### **1.6 List of Attachments**

- Attachment 1 – AESO Need Overview (February 2018)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (February 27, 2018)
- Attachment 3 – Canadian Natural's Project Newsletter – *Kirby North Central Processing Facility Connection* (February 2018)
- Attachment 4 – AltaLink's Project Newsletter – *Kirby North Central Processing Facility Connection* (February 2018)
- Attachment 5 – AESO Public Notification of NID Filing Website Posting (May 2018)
- Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (May 31, 2018)

**Attachment 1 – AESO Need Overview (February 2018)**

# Need for the Kirby North Central Processing Facility Connection in the Conklin Area

*Canadian Natural Resources Limited (Canadian Natural) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed oil sands recovery facility, called the Kirby North Central Processing Facility (the Facility) in the Conklin area. The Facility will be served by Canadian Natural's proposed Margie 1034S substation. Canadian Natural's request can be met by the following solution:*

## PROPOSED SOLUTION

- Add one new 138 kV circuit to connect the Facility to the existing 138 kV transmission line 789L.
- 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-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.

## CANADIAN NATURAL

- Has requested transmission system access to connect the Facility.
- Is responsible for detailed siting and routing, and constructing the new 138 kV circuit to connect the Facility to the existing 138 kV transmission line 789L.
- Is responsible for detailed siting and routing, constructing, operating and maintaining the Margie 1034S substation.
- Must apply to the AUC for approval of its transmission facilities applications.

## ALTALINK MANAGEMENT LTD.

- Is the transmission facility owner in the Conklin area.
- Is responsible for operating and maintaining the new 138 kV circuit and the associated equipment required to connect the Facility to the existing 138 kV transmission line 789L.
- 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 (February 27, 2018)**



February 27, 2018

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# AESO Stakeholder Newsletter

## GRID

### **Kirby North Central Processing Facility Connection – Need for Transmission Development in the Conklin area**

Canadian Natural Resources Limited (Canadian Natural) has applied to the AESO for transmission system access to connect its proposed oilsands recovery facility, called the Kirby North Central Processing Facility (the Facility) in the Conklin area. The Facility will be served by Canadian Natural's proposed Margie 1034S substation. Canadian Natural's request can be met by the following solution:

- Add one new 138 kV circuit to connect the Facility to the existing 138 kV transmission line 789L
- 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 > Project > Kirby North Central Processing Facility Connection.

**Attachment 3 – Canadian Natural’s Project Newsletter – *Kirby North Central Processing Facility Connection* (February 2018)**



For additional information about the project or to arrange a personal consultation, please contact:

**Canadian Natural Resources Limited**

Patrick Caldwell

Phone: (780) 544-2274

Email: [Patrick.Caldwell@CNRL.com](mailto:Patrick.Caldwell@CNRL.com)

To learn more about the AUC 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)

The Alberta Electric System Operator (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. You can also make your questions or concerns known to a CNRL 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 Alberta's electric system and the need for the project, please contact:

**Alberta Electric System Operator (AESO)**

1-888-866-2959

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

AltaLink is responsible for the modifications at AltaLink's existing 138 kV transmission line 798L that are also required to connect the Kirby North Central Processing Facility. AltaLink's modifications are separate from the facilities that Canadian Natural is proposing to construct. AltaLink will consult separately on the 798L modifications. To learn more about the connection to the existing 789L transmission line owned by AltaLink, please contact:

**AltaLink**

1-877-267-1453 (toll free)

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



Canadian Natural Resources Limited  
855 2 Street SW #2100,  
Calgary, Alberta T2P 4J8

Phone: (403) 517-6700  
Fax: (403) 517-7350

**Canadian Natural's Privacy Policy**

Canadian Natural respects the privacy of individuals and seeks to act responsibly and ethically in respect to the collection, use, retention, disclosure and disposal of Personal Information which may come into Canadian Natural's possession. If you have any concerns relating to the collection, use, retention, disclosure and disposal of Personal Information by Canadian Natural, or if you wish to request a copy of our Privacy Policy, please contact us.



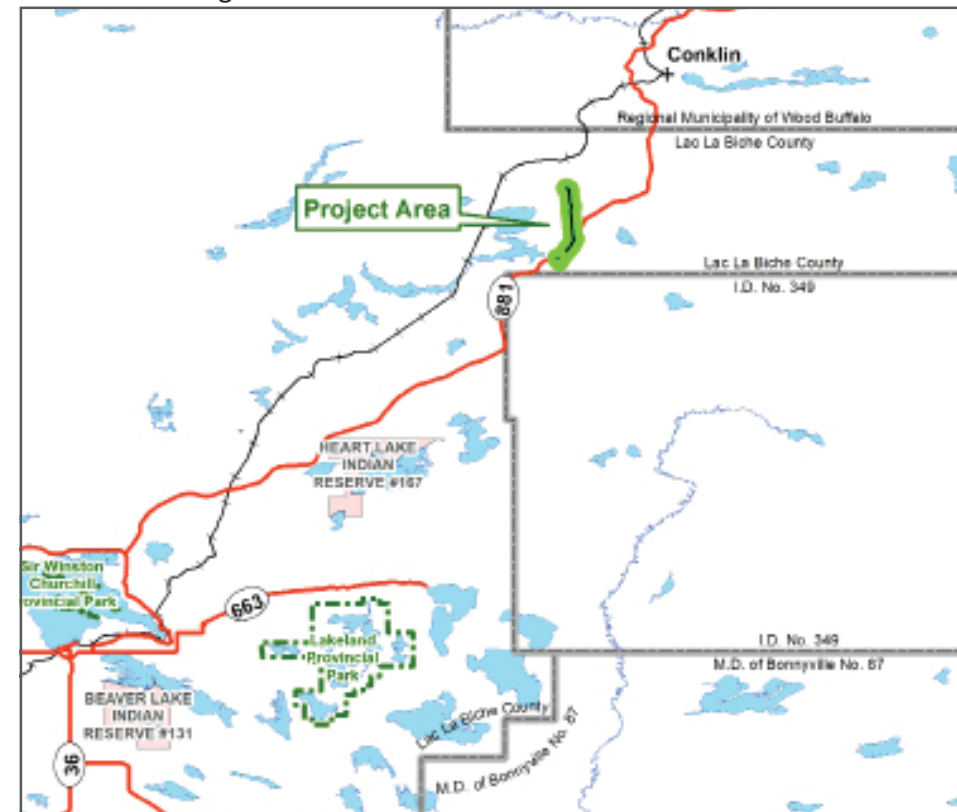
February 2018

## Kirby North Central Processing Facility Connection

This project specific information package includes:

- Project Newsletter
- Project Map
- AUC Brochure: Public involvement in a proposed utility development
- AESO Need Overview

Canadian Natural Resources Limited (Canadian Natural) has applied to the Alberta Electric System Operator (AESO) for transmission system access to connect its proposed Kirby North Central Processing Facility to the Alberta electric system. If approved by the AUC, the Kirby North Central Processing Facility Connection will include the construction of approximately 13.2km of new transmission line (known as 789BL) and Canadian Natural's proposed Margie 1034S substation. Canadian Natural proposes to construct and operate the Margie 1034S substation near the site of the Kirby North Central Processing Facility. The new transmission line will connect Canadian Natural's proposed Margie 1034S substation to the existing 138 kilovolt (kV) transmission line 789L, which is located between the Heart Lake 898S and Winefred 818S substation. The Kirby North Central Processing Facility Connection Project is located approximately 150 km south of Fort McMurray, Alberta near Conklin, as shown below. Canadian Natural is responsible for construction of the new 789BL transmission line and the new Margie 1034S substation.



### WHO IS THE ALBERTA UTILITIES COMMISSION?

The Alberta Utilities Commission (AUC) is a quasi-judicial independent agency established by the Government of Alberta, responsible to ensure that the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public interest. They regulate investor owned natural gas, electric and water utilities, and certain municipally owned electric utilities to protect social, economic and environmental interests of Alberta where competitive market forces do not.

Phone: (403) 517-6700 Fax: (403) 517-7350 [www.cnrl.com](http://www.cnrl.com)



Example H-frame Wood Structure



Example Single Wood Pole Structure



## Transmission Line 789BL Project Details

### Transmission Structures

The proposed single-circuit, 3-phase, 138 kV structures will:

- be primarily wood pole construction and may be comprised of composite pole at the selected crossing locations
- be either single pole or H-frame, as shown to the right
- be, on average, 26m tall
- have approximately 125m between single wood pole structures and 225m between H-frame structures
- be constructed within a 30m wide easement located entirely on Crown land

### Routing Selection

Canadian Natural takes several factors into account in an effort to find a route with the least overall impact. Some of the factors we take into consideration are: agriculture; residential Areas; environmental effects; impact on existing infrastructure; economic viability and other special considerations.

### Land Acquisition

An application has been made to Alberta Environment and Parks (AEP) for a 30m wide easement running from the southeast quarter of section 30-74-8 W4M to the existing transmission line in the southwest quarter of section 30-73-8 W4M. An easement for the remaining portion of the line (SE 30-74-8 W4M to NE 31-74-8 W4M) was previously acquired and the easement remains in place. A Department Miscellaneous Lease (DML) was previously acquired for the proposed Margie 1034S Substation.

## Anticipated Project Schedule

Below is the anticipated project schedule. Timing may be adjusted to reflect final plans.

Initiate Public Consultation Discussions	November 2017
Notification Package to Stakeholders	February 2018
File Facilities Application & Exemption with Alberta Utilities Commission	May 2018
Antitipated AUC Approval	August 2018
Construction Commencement, if approved	September 2018

### Definitions

**Substation:** connects two or more transmission lines of varying voltages and may have transformers to convert between two transmission voltages.

**Transmission Line:** a conductor or conductors designed to carry electricity or an electrical signal over large distances with minimum losses and distortion. The transmission system in Alberta connects diverse sources of power generation including wind, high-efficiency coal, natural gas and more.

**Easement:** a right to use private or crown land for the placement of transmission lines and structures.

**Facility Application:** A transmission facility owner proposing to build an electric facility must submit an application to the AUC to obtain a permit to construct and a license to operate the facility. The application filed is often referred to as a facility application.

## Margie 1034S Substation Details

Canadian Natural's proposed Margie 1034S substation will be located in the northwest quarter of section 31-74-8 W4M, near the Kirby North Central Processing Facility site. If approved, the 138 kV transmission line 789BL will connect the new Margie 1034S substation to the electrical system

The substation will be located in a fenced area approximately 80 X 80 meters. Please see the map included with this package to view the potential substation location.



*The proposed Margie 1034S substation will be similar in size and appearance to the example photo shown to the left.*

## Next Steps - Public Consultation and Application Process

Canadian Natural and our representatives will undertake public consultation with stakeholders in the surrounding area. After the consultation process is complete, Canadian Natural intends to file a Facilities Application (FA) for the Kirby North Central Processing Facility Connection with the Alberta Utilities Commission (AUC) early in May 2018. The AUC will then review the FA and either approve or deny the project.

Canadian Natural also intends to file a request for exemption for the proposed Margie 1034S substation under Section 16 of the *Hydro and Electric Energy Act*. The AUC will review the exemption request and either approve or deny it. If denied, a Facility Application will be required for the Margie 1034S substation.

Stakeholders are encouraged to participate throughout this process. We hope you will contact us if you have any questions or concerns about the project. Contact information can be found at the bottom of the page. To learn more about the AUC process and how you can become involved, please refer to the AUC Public Involvement brochure in this package. It will introduce the nine steps necessary to become involved in the decision making process.

### Participating in a One-on-One Consultation

We will contact occupants, residents, landowners and other potentially affected stakeholders adjacent to the proposed project in order to gather input through one-on-one consultations. During the one-on-one consultation process we will document the information you provide and address any questions or concerns you may have about the project.

**Attachment 4 – AltaLink’s Project Newsletter – *Kirby North Central Processing Facility Connection* (February 2018)**



# Electric system improvements near you

## Kirby North Central Processing Facility 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 proposed Kirby North Central Processing Facility Connection and we want your input.

Canadian Natural Resources Limited (Canadian Natural) has requested a connection to the **transmission** system for their proposed Kirby North Central Processing Facility. To facilitate this connection, Canadian Natural is proposing to construct a new substation and transmission line.

We are proposing to connect Canadian Natural's proposed transmission line, to be called 789BL, to the electric system by connecting it to AltaLink's existing 789L transmission line.

Although AltaLink's project is separate from Canadian Natural's project, it is required to facilitate the connection of Canadian Natural's transmission line and processing facility. Canadian Natural will consult separately on their proposed transmission line and facility.

We are providing you with:

- project details
- a map of the proposed project area
- 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 your community where power is used. Transmission lines transport large amounts of power over long distances from power plants 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)



*A wood H-frame structure similar to the proposed*



*A steel H-frame structure with airbreak similar to the proposed*

## Project details

AltaLink's proposed project involves adding five new structures to accommodate the connection of Canadian Natural's facility to the transmission system. One transmission structure may also be removed.

Two new steel structures with airbreaks, two wood H-frame structures and one tap structure will be added where Canadian Natural's proposed 789BL transmission line meets AltaLink's existing 789L transmission line (point designation A2 on the attached map).

An airbreak is a piece of equipment that isolates portions of transmission line so that future maintenance can be performed without the need for outages. An image of an airbreak structure is shown below.

The proposed new structures will:

- be wood or steel
- be approximately 14 to 25 metres tall
- be located in the existing 23 metre wide right-of-way

Approximately 270 metres of conductor (wire) will also be replaced to accommodate the transmission line connection.

Please see the attached map for a detailed overview of the proposed project, which also includes the required temporary construction workspace.

Right-of-way access will be determined during consultation for the project.



## Electric and Magnetic Fields (EMF)

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

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

National and international organizations such as Health Canada and the World Health Organization have been conducting and reviewing research about EMF for more than 40 years. Based on this research, these organizations have not recommended the general public take steps to limit their everyday exposure to EMF from electrical facilities. If you have any questions about EMF please contact us.

Toll-free phone number: 1-866-451-7817

Email: [emfdialogue@altalink.ca](mailto:emfdialogue@altalink.ca)

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

## Providing your input

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

After the consultation process is complete we will file an application with the Alberta Utilities Commission (AUC). The AUC 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 *Public involvement in a proposed utility development*.

## Anticipated project schedule

Notify and consult with stakeholders	February - April 2018
File application with Alberta Utilities Commission (AUC)	May 2018
Start construction if project is approved	December 2018
Construction completed	February 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.*

## PRIVACY COMMITMENT

AltaLink is committed to protecting your privacy. Collected personal information will be protected under AltaLink's Privacy Policy and Alberta's 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 email [privacy@altalink.ca](mailto:privacy@altalink.ca) or phone at 1-877-267-6760.



## Contact us

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

### **ALTALINK**

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

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

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

*To learn more about Canadian Natural's proposed project please contact:*

### **CANADIAN NATURAL RESOURCES LIMITED**

Patrick Caldwell

(780) 544-2274

Email: [Patrick.Caldwell@cnrl.com](mailto:Patrick.Caldwell@cnrl.com)

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

*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)

*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. You can make your questions or concerns known to an AltaLink 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.)

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

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

*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.*

## INCLUDED IN THIS INFORMATION PACKAGE:

- Project map
- AESO Need Overview
- AUC brochure: *Public involvement in a proposed utility development*

## 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 Public Notification of NID Filing Website Posting (May 2018)**

## Notification of Needs Identification Document Filing Addressing the Need for the Kirby North Central Processing Facility Connection in the Conklin Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Kirby North Central Processing Facility Connection with the Alberta Utilities Commission (AUC) on or after June 15, 2018.

Canadian Natural Resources Limited (Canadian Natural) has applied to the AESO for transmission system access to connect its proposed oil sands recovery facility, called the Kirby North Central Processing Facility (the Facility) in the Conklin area. The Facility will be served by Canadian Natural's proposed Margie 1034S substation. Canadian Natural's request can be met by the following solution:

- Add one new 138 kV circuit to connect the Facility to the existing 138 kV transmission line 789L.
- Add or modify associated equipment as required for the above transmission developments.



*The grey shaded area on the map indicates the approximate location of the proposed transmission developments, including the 138 kV transmission line. The specific transmission facilities may extend beyond the shaded area shown.*

Canadian Natural is responsible for siting, routing, and constructing the new 138 kV circuit. AltaLink Management Ltd. (AltaLink) is a transmission facility owner (TFO) in the Conklin area and is responsible for operating and maintaining the new 138 kV circuit and the associated facilities.

In February 2018, the AESO, Canadian Natural and AltaLink began presenting the need for this transmission development to stakeholders, including residents, occupants, landowners, and Indigenous Communities. The AESO will apply to the AUC for approval of the need. Once filed with the AUC, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/kirby-north-central-processing-facility-connection/>

In separate applications, called Facility Applications, Canadian Natural and AltaLink 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@aesocanada.com](mailto:stakeholder.relations@aesocanada.com).

**Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (May 31, 2018)**

May 31, 2018

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# AESO Stakeholder Newsletter



## **Kirby North Central Processing Facility Connection – Notice of NID Filing**

Canadian Natural Resources Limited (Canadian Natural) has applied to the AESO for transmission system access to connect its proposed oilsands recovery facility, called the Kirby North Central Processing Facility (the Facility) in the Conklin area. The Facility will be served by Canadian Natural's proposed Margie 1034S substation. Canadian Natural's request can be met by the following solution:

- Add one new 138 kV circuit to connect the Facility to the existing 138 kV transmission line 789L.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file the Kirby North Central Processing Facility Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after June 15, 2018, requesting that the AUC approve this NID.

The AESO has posted the Notification of 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 > Kirby North Central Processing Connection to see all the relevant documents, including the NID application once it is filed with the AUC.